



पश्चिम रेलवे Western Railway



DISASTER MANAGEMENT PLAN (2026) WESTERN RAILWAY

The information provided in this document is for the purpose of general guidance only. Though all efforts have been made to ensure the document is authentic and accurate, in case of any conflict, the G & SR, Accident Manual and other Codal instructions would override this document.

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ACKNOWLEDGEMENT

TIME TO TIME REVIEW AND UPDATING OF CONTACT NUMBERS IS NEEDED FOR EFFECTIVE UTILIZATION DURING ACCIDENT/ DISASTERS AS AND WHEN REQUIRED.

SAFETY DEPARTMENT OF WESTERN RAILWAY IS THANKFUL TO STATE GOVERNMENTS OF MAHARASHTRA, GUJARAT, MADHYA PRADESH AND RAJASTHAN STATE AND THEIR CIVIL AUTHORITIES, DEFENCE ESTABLISHMENTS, NATIONAL DISASTER MANAGEMENT AUTHORITY, GAS AUTHORITY OF INDIA LIMITED, INDIAN OIL CORPORATION, BHARAT PETROLEUM CORPORATION LIMITED AND NON-GOVERNMENT ORGANIZATIONS FOR THEIR HEARTY COOPERATION IN GIVING VALUABLE INFORMATION / SUGGESTIONS FOR COMPILING THIS BOOK.

IF AN ACCIDENT / INCIDENT IS DECLARED AS A DISASTER ALL INSTRUCTIONS AS CONTAINED HERE IN THIS DISASTER MANAGEMENT PLAN WOULD AUTOMATICALLY COME IN FORCE AND OFFICERS AND STAFF OF ALL DEPARTMENTS WOULD TAKE ACTION AS LAID DOWN IN THIS BOOK.

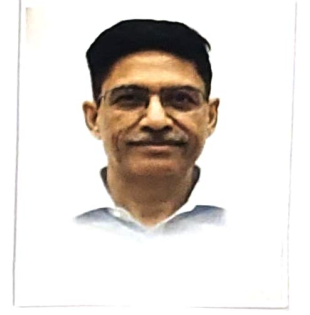
ALTHOUGH UTMOST CARE HAS BEEN TAKEN TO ENSURE ACCURACY, THE PUBLISHERS SOLICITS INFORMATION ON ERRORS, IF ANY



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MESSAGE

With the enactment of the Disaster Management Act in 2005 by Government of India, there has been a paradigm shift from Relief Centric Approach to a Comprehensive Proactive Disaster Risk Reduction, Meticulous Preparedness, Timely Effective Response.

Disaster includes natural calamities such as Earthquake, etc. or man-made disasters like terrorist act etc. Any Disaster requires concerted action by Railway in coordination with other agencies. There is a need to have a well laid out plan to be implemented when a disaster occurs. The assistance of other government agencies, both Central & State, NGOs, PSUs etc., required to meet the challenges in case of a disaster must be planned.

WR has prepared this 9th edition of Disaster Management Plan in February 2026, which adheres to the Disaster Management Act-2005 and guidelines issued by National Disaster Management Authority. The action plan incorporated in the Zonal Disaster Management Plan 2026 will facilitate coordination among various agencies for immediate appropriate rescue and relief operations. I urge all the officers and staff of this railway to go through the instructions contained in this updated edition of Zonal Disaster Management Plan-2026 and be prepared to tackle any kind of disaster.

I extend my appreciation to the officers and supervisors of the Safety Department for their commendable efforts in the development of the Zonal Disaster Management Plan-2026.

(Pradeep Kumar)
General Manager

Mumbai
03.03.2026

कुशल सिंह
प्रमुख मुख्य संरक्षा अधिकारी
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पश्चिम रेलवे
Western Railway



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PREFACE

It is immense pleasure that we present Zonal Disaster Management plan – 2026.

It has been designed to prepare Railway staff with the necessary knowledge and skills for prompt rescue and relief operation during any kind of Disaster. Natural Disaster like Earthquake, floods and cyclones to manmade Disaster such as acts of terrorism, sabotage & train accident can happen any time and strike suddenly. Hence, preparedness is the key for effective relief and rescue in times of crisis.

With promulgation of the Disaster Management Act 2005 by Government of India, there has been a paradigm shift from Relief centric Approach to a comprehensive proactive Disaster Risk Reduction, Meticulous Planning & Preparedness. Further it ensures Timely Effective Response and Well Equipped Trained Personnels to tackle any kind of Disaster.

All Railway officials should familiarize themselves with this Zonal Disaster Management plan and ensure to fully aware of their role and responsibilities. It will serve as a valuable reference to facilitate prompt and efficient action during crisis. The sharing of information and resources is critical to overcoming the challenges posed by disasters. In line with this, we have updated the lists of available resources, contact information for key personnel, and the coordination framework involving neighbouring railways, civil and military authorities, NGOs, and key private organizations.

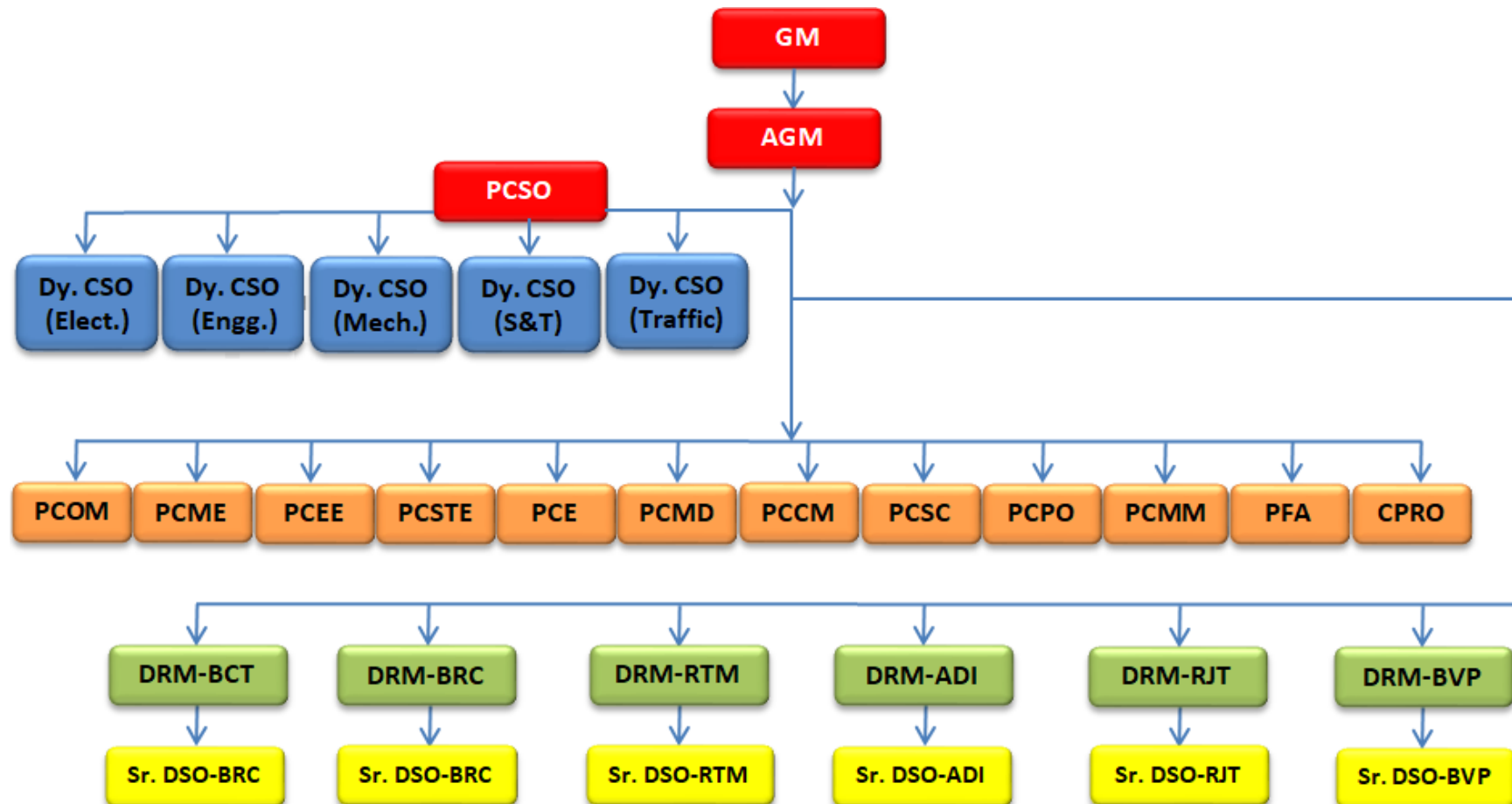
The Zonal Disaster Management Plan-2026 should be read in conjunction with the General and Subsidiary Rules, the Accident Manual, and other relevant instructions issued periodically.

Suggestions, additions and modifications are always welcomed to improve the Disaster Management Plan during the next revision.

(Kushal Singh)
Principal Chief Safety Officer

Mumbai
Date: 27/02/2026

ORGANIZATION SETUP



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Executive Summary

The Disaster Management Act, 2005 (DM Act 2005) lays down institutional and coordination mechanism for effective Disaster Management (DM) at the national, state, district and local levels. As mandated by this Act, the Government of India (GOI) created a multi-tiered institutional system consisting of the National disaster Management Authority (NDMA) headed by the Prime Minister, the State Disaster Management Authorities (SDMAs) headed by the respective Chief Ministers and the District Disaster Management Authorities (DDMAs) headed by the District Collectors and co-chaired by Chairpersons of the local bodies. These bodies have been set up to facilitate a paradigm shift from the hitherto relief- centric approach to a more proactive, holistic and integrated approach of strengthening disaster preparedness, mitigation, and emergency response.

The National Disaster Management Plan (NDMP) provides a framework and direction to the government agencies for all phases of the disaster management cycle. The NDMP recognises the need to minimize, if not eliminate, any ambiguity in the responsibility framework. It, therefore, specifies who is responsible for what, at different stages of managing disasters. The NDMP is envisaged as ready for activation at all times in response to an emergency in any part of the country. It is designed in such a way that it can be implemented as needed in a flexible and scalable manner in all phases of disaster management: a) mitigation (prevention and risk reduction), b) preparedness, c) response and d) recovery.

The NDMP is consistent with the approaches promoted globally by the United Nations, in particular the Sendai Framework for Disaster Risk Reduction 2015-2030. It is a non-binding agreement, which the Signatory nations will attempt to comply with on a voluntary basis. India will make all efforts to contribute to the realization of the global target by improving the entire disaster management cycle in India by following the recommendations in the Sendai Framework and by adopting globally accepted best practices. The four priorities for action under the Sendai Framework are:

1. Understanding disaster risk
2. Strengthening disaster risk governance to manage disaster risk
3. Investing in disaster risk reduction for resilience
4. Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction

The NDMP incorporates substantively the approach enunciated in the Sendai Framework and will help the country to meet the goals set in the framework. By 2030, the Sendai Framework aims to achieve substantial reduction of disaster risk and losses in lives, livelihoods, and health and in the economic, physical, social, cultural, and environmental assets of persons, businesses, communities, and countries.

Vision of NDMP

Make India disaster resilient, achieve substantial disaster risk reduction, and significantly decrease the losses of life, livelihoods, and assets – economic, physical, social, cultural, and environmental – by maximizing the ability to cope with disasters at all levels of administration as well as among communities.

Multi-Hazard Vulnerability

India, due to its physiographic and climatic conditions is one of the most disaster-prone areas of the world. Vulnerability to disasters/emergencies of Chemical, Biological, Radiological and Nuclear (CBRN) origin also exists. Heightened vulnerabilities to disaster risks can be related to increasing population, urbanization, industrialization, development within high-risk zones, environment degradation, and climate change. Hazard vulnerability maps for India are annexed to NDMP.

Reducing Risk; Enhancing Resilience

In the domains of DM planning, preparedness, and capacity building, the central agencies will constantly work to upgrade Indian DM systems and practices as per global trends. The planning framework has arranged the actions envisaged for risk reduction under five thematic areas for action with one of the four priorities for action of Sendai Framework as its dominant feature.

For each hazard, the approach used in national plan incorporates the four priorities enunciated in the Sendai Framework the planning framework for Disaster Risk Reduction under the five Thematic Areas for Action:

1. Understanding Risk
2. Inter-Agency Coordination
3. Investing in DRR - Structural Measures
4. Investing in DRR - Non- Structural Measures
5. Capacity Development

For each thematic area for action, the NDMP has identified a set of major themes for undertaking actions within the broad planning framework. For each hazard, themes for action are presented in a separate responsibility matrix assigning roles of centre and state for each of the thematic areas for action.

Response

Response measures are those taken immediately after receiving early warning, anticipating an impending disaster, or post-disaster in cases where an event occurs without warning. The primary goal of response to a disaster is saving lives, protecting property, environment, and meeting basic needs of human and other living beings after the disaster. The immediate focus will be on search and rescue of those affected and to evacuate those likely to be affected by the disaster or secondary disaster that is likely to happen.

At the national level, the central government has assigned nodal responsibilities to specific ministries for coordinating disaster-specific response. The NDMA will be coordinating with relevant nodal ministry.

Different central ministries and departments will provide emergency support to the response effort as per request from the State Government. It may be noted that the SDMA, Department of Revenue of Commissioner of Relief (as applicable) is the nodal agency for coordination of disaster response. The various agencies whose responsibilities are defined in detailed DM plans for the state and district will be

responsible for specific response measures. The DDMA is the nodal agency for coordination of response at district level supported by other district level agencies. The department wise specific activities at central ministries and state government are summarized in matrix providing clarity to the roles and responsibilities of various agencies.

Structure of Disaster Management plan of Ministry of Railways

Based on the National Disaster Management Plan, context specific changes were made in the DM plan of Ministry of Railways duly indicating the role and responsibilities at Board, Zonal Headquarters and Divisional level. Zonal Railway and Divisional Disaster Management plans need to be developed on similar lines.

Disaster management plan also contains detailed guidelines relating to cases of breach/floods, earthquakes, cyclones, manmade disasters like terrorism etc. The DM plan at divisional level must include management of rescue and relief operations including care for the dead, communication network, restoration operations, maintenance of ART/ARMV & their equipment, media management, checklist for officers and supervisors etc. The DM plan should also include details of local resources as indicated in chapter no.6.

The Accident Manual contains definitions, classification of accidents, reporting of accidents and other unusual occurrences, duties of officials, relief measures, investigation and inquiries, disposal of inquiry reports etc. in case of a train accident. It is a compendium of all instructions, rules, procedures and guidelines issued from time to time on Railway accidents and for safe working of trains in general. These details have, therefore, not been included in DM plans. Accident Manual of Railways may be referred for details related to train accidents.

The Division shall identify vulnerable locations and risks associated with natural disasters and incorporate them in the Divisional DM plan. Information flow chart for communicating alerts issued by early warning agencies to the field officials shall be clearly specified in the DM plan duly indicating preparedness and response to deal with them.

NDMA has issued guidelines on “Managing Crowd at Events and Venues of Mass Gathering”. Guidelines on crowd management and role of RPF in crowd control is included in chapter no. 8 and 14. Further, in the event of Mass gathering, (viz. Kumbh Mela etc.) Divisions are instructed to prepare and Implement event specific Disaster Management plans for the stations where the crowd is expected.

Guidelines issued by NDMA regarding chemical disasters are included in chapter no.14. Rules for carrying Hazardous chemicals are legislated in Railway Red Tariff Rules, 2000. In Red Tariff, general rules governing acceptance, handling, carriage, storage, delivery and the list of commodities along with the Dos and Don'ts in case of leakage of hazardous chemicals is included. Carriage of commodities other than those specified in Red Tariff, shall not be accepted for transport by rail unless specially authorised by the Railway administration. Dos and Don'ts issued by MHA regarding CBRN disasters are also included in the plan.

Capacity development covers strengthening of institutions, mechanisms, and capacities of all stakeholders at all levels. Chapter no. 14 indicates disaster management training methodology and schedule at all levels.

Structure of Zonal Disaster Management plan of Western Railways

Based on the Disaster Management Plan of the Ministry of Railways, specific changes were made in the Zonal Disaster Management Plan of Western Railway, highlighting the role and responsibilities at Zonal Headquarters and Divisional level. A conclusive review of Zonal Disaster Management Plan was carried out during the lockdown due to COVID-19, wherein the structure of the Zonal & Divisional Disaster Management Plans was studied and both the plans were revamped.

This revamped Zonal Disaster Management Plan focuses on:

- Information common to all Divisions of Western Railway.
- Western Railway's action plan for dealing with all types of Railway disaster.
- Action items along with their progress will be detailed for all type Railway disasters.
- Contrary to the Divisional Plan this plan more centric towards prevention, mitigation and preparedness than rescue and relief.
- Information of formation of relief and rescue teams at the accident site, Disaster Management Control Cell, Duties of various officers/officials etc. in addition to the information specific to headquarters.

Zonal Disaster Management Plan of Western Railway also contains detailed guidelines relating to cases of breaches/floods, earthquakes, cyclones, manmade disasters like terrorism etc. and preparedness to encounter the same as laid down by NDMA.

DISASTER MANAGEMENT PLAN:

1. Disaster in the railway context is defined as under: -
“Railway Disaster is a serious train accident or an untoward event of grave nature, either on the railway premises or arising out of railway activity in that area, due to natural or man-made causes, that may lead to loss of many lives and/or grievous injuries to a large number of people, and/or severe disruption of traffic, necessitating large scale help from other Government/ Non-government and private Organizations”
(Rly. Bd's letter No. 2003/Safety (DM)/6/2 Pt. dated 06.01.09 & based on the definition of the Disaster Management Act 2005).
2. This compendium of instructions has been prepared for dealing with such disasters, and not for normal train accidents of non-serious nature. Instructions in G&SR, SWR and Accident Manual are also to be followed.

TERM OF REFERENCE:

Railway Board's Safety Directorate vide their letter No.2003/Safety-I/6/2 dated 29th September 2003 laid down the requirement of Zonal Railway's Disaster Management Plan as follows.

1. **Disaster Management Plan:** All Divisions and Zonal Railway Headquarters (including Metro Kolkata & Delhi Metro Rail Corporation) must devise their disaster management plan, if not already done taking into consideration the resources available with them, their neighbouring divisions / Zonal Railways, Civil Authorities, Industrial Units and Armed Force bases located in their territory. This would enable the Divisions/Zonal Railways to muster the entire local resources in case of a major disaster/natural calamity. Zonal Railways Disaster Management Plan should integrate all divisions and also to take into consideration adjacent railways' framework.
2. **Preparation of Disaster Management Plan:** The Disaster Management Plan must inter-alia include who is responsible for what activities in detail like: -
 - (i) Preparation and implementation of the disaster management plan is the responsibility of concerned General Manager/Divisional Railway Manager.
 - (ii) Authority to order ART/ARME/Break Down crane – Chief Mechanical Engineer/Chief Motive Power Engineer (Running & Loco)/Sr. Divisional Mechanical Engineer/Divisional Mechanical Engineer, etc.
 - (iii) Senior most railway officer at the site of the accident shall be the designated Site Manager.
 - (iv) Management of rescue operations – Primarily Mechanical and Medical Departments. Assistance to be provided by all railway men (irrespective of their department) as needed.

- (v) Relief operations including care for the dead – Commercial, Medical & RPF Departments.
- (vi) Communication network - Telecom Department.
- (vii) Crowd control and law & order at site - RPF.
- (viii) State Police clearance for restoration - RPF.
- (ix) Restoration operations -
 - (a) Rolling stock - Mechanical Department.
 - (b) Fixed infrastructure like Track, Overhead Equipment, Signalling system etc.- respective department.
- (x) Maintenance of SPART/ART & SPARME/ARME, Break Down cranes including rail-cum-road and road mobile emergency vehicle etc.- Mechanical Department.
- (xi) Maintenance of equipment kept in SPART/SPARME/ART/ARME for rescue and restoration operations -respective departments.
- (xii) Media Management at site -
 - (a) Site Manager shall be the chief spokesman at site and can be assisted by the branch officer concerned, if needed.
 - (b) Public Relation/Commercial Department to look after the needs of media persons at the site.
- (xiii) Checklist for the officers & supervisors must be issued in the form of a pocket booklet indicating DOs and DON'Ts for the benefit of:
 - (a) First official reaching the site of the accident.
 - (b) Senior most officer at the site.
 - (c) Divisional/HQ control organization.
 - (d) Station Manager/Station Master.

The Disaster Management Plans must be reviewed and updated in the month of **January every year.**

ABBREVIATIONS

AC	-	Air Conditioned
ADG	-	Additional Director General
ADRM	-	Additional Divisional Railway Manager
AGM	-	Additional General Manager
ARME	-	Accident Relief Medical Equipment
ART	-	Accident Relief Train
BD Spl.	-	Break Down Special
BCN	-	8-Wheel covered wagon
BFR	-	8-wheel open flat wagon
BIS	-	Bureau of Indian Standards
BLS	-	Basic Life Support
BRO	-	Border Roads Organization
BSF	-	Border Security Force
BSNL	-	Bharat Sanchar Nigam Limited
BT	-	Bio-Terrorism
BW	-	Biological-Warfare
C&W	-	Carriage and Wagon
CAC	-	Combined Assistance Centre
CAG	-	Comptroller & Auditor General
CBE	-	Chief Bridge Engineer
CBO	-	Community Based Organization
CBRN	-	Chemical, Biological, Radiological, Nuclear
CCRS	-	Chief Commissioner of Railway Safety
CRS	-	Commissioner of Railway Safety
CCS	-	Cabinet Committee on Security
CCTV	-	Close Circuit Television
CDM	-	Cyclone Disaster Management
CFTM	-	Chief Freight Transportation Manager
CISF	-	Central Industrial Security Force
CLI	-	Chief Loco Inspector
CMD	-	Chief Medical Director
CMG	-	Crisis Management Group
CMP	-	Crisis management Plan
CMS	-	Chief Medical Superintendent
CoR	-	Commissioner of Relief
CMPE (Diesel)	-	Chief Motive Power Engineer (Diesel)
CPMF	-	Central Para Military Force
CPRO	-	Chief Public Relations Officer

DISASTER MANAGEMENT PLAN

CPTM	-	Chief Passenger Transportation Manager
CRB & CEO	-	Chairman Railway Board & Chief Executive Officer
CRPF	-	Central Reserve Police Force
CRSE	-	Chief Rolling Stock Engineer
CSE	-	Chief Signal Engineer
CSTE	-	Chief Signal & Telecommunication Engineer
CTD	-	Chemical (Terrorism) Disaster
CTE	-	Chief Track Engineer
CTNL	-	Chief Controller
CWC	-	Central Water Commission
CWE	-	Chief Workshop Engineer
CWI	-	Carriage & Wagon Inspector
DCM	-	Divisional Commercial Manager
DEE	-	Divisional Electrical Engineer
DEN	-	Divisional Engineer
DFM	-	Divisional Finance Manager
DG	-	Director General
DDMA	-	District Disaster Management Authority
DDMP	-	District Disaster Management Plan
DG	-	Director General
DM	-	District Magistrate
DME	-	Divisional Mechanical Engineer
DMM	-	Divisional Material Manager
DMO	-	Divisional Medical Officer
DMT	-	Disaster Manager Team
DMU	-	Diesel Multiple Unit
DOD	-	Department of Ocean Development
DOM	-	Divisional Operations Manager
DOT	-	Department of Telecommunication
DPO	-	Divisional Personnel Officer
DRM	-	Divisional Railway Manager
DRR	-	Disaster Risk Reduction
DSC	-	Divisional Security Commissioner
DSO	-	Divisional Safety Officer
DSTE	-	Divisional Signal & Telecommunication Engineer
Dy. TNL	-	Deputy Controller
ED	-	Executive Director
E-Mail	-	Electronic Mail
EMR	-	Emergency Medical Response
EMS	-	Electronic Messaging System

DISASTER MANAGEMENT PLAN

EMU	-	Electric Multiple Unit
Engg.	-	Engineering
ERC	-	Emergency Response Centre
ESF	-	Emergency Support Function
ESIC	-	Employees State Insurance Corporation
ETL	-	Emergency Train Lighting
EWS	-	Early Warning System
FA&CAO	-	Financial Advisor and Chief Account Officer
FF	-	Flood Forecasting
FM	-	Flood Management
FOIS	-	Freight Operation Information System
FR	-	First Responders
G&SR	-	General & Subsidiary Rule
GAIL	-	Gas Authority of India Ltd.
GIS	-	Geographic Information System
GM	-	General Manager
GRP	-	Government Railway Police
GSI	-	Geological Survey of India
Hazchem	-	Hazardous Chemical
HFL	-	Highest Flood Level
HLC	-	High Level Committee on Disaster Management
HM	-	Home Minister
HOD	-	Head of Department
HOR	-	High Official Requisition
HPCL	-	Hindustan Petroleum Corporation Limited
HQ	-	Head Quarters.
HRD	-	Hydraulic Rescue Device
HRE	-	Hydraulic Re-railing Equipment
HS	-	Home Secretary
HSD	-	High Speed Diesel
IAF	-	Indian Air Force
IAN	-	Integrated Ambulance Network
IAT	-	Instant Action Team
IDSP	-	Integrated Disease Surveillance Programme
IG	-	Inspector General of Police
IOC	-	Indian Oil Corporation
IOC	-	Integrated Operation Centre
IMD	-	India Meteorological Department
INCOIS	-	Indian National Centre for Oceanic Information Services

DISASTER MANAGEMENT PLAN

IRICEN	-	Indian Railway Institute of Civil Engineering
IRCM	-	Indian Railway Commercial Manual
IRIDM	-	Indian railway Institute of Disaster Management
IRIEEN	-	Indian Railway Institute of Electrical Engineering
IRIMEE	-	Indian Railway Institute of Mechanical and Electrical Engineering
IRISET	-	Indian Railway Institute of Signal Engineering and Telecommunications
IRITM	-	Indian Railways Institute of Transport Management
IRMM	-	Indian Railway Medical Manual
IRPWM	-	Indian Railway Permanent Way Manual
IRS	-	Incident Response System
IRT	-	Incident Response Team
IS	-	Internal Security
ISD	-	International Subscriber Dialling
IT	-	Information Technology
ITBP	-	Indo Tibetan Border Police
ITWC	-	Interim Tsunami Warning Centre
JA	-	Junior Administrative
JE	-	Junior Engineer
Jn.	-	Junction
LC	-	Level Crossing
LCC	-	Local Command Centre
LPG	-	Liquefied Petroleum Gas
MCE	-	Mass Casualty Evacuation
MCM	-	Mass Casualty Management
MF	-	Member Finance
MFR	-	Medical First Responder
MG	-	Meter Gauge
MHA	-	Ministry of Home Affairs
M/INFRA	-	Member (Infrastructure)
M/O&BD	-	Member (Operation & Business Development)
MoD	-	Ministry of Defence
MoES	-	Ministry of Earth Sciences
MoH&FW	-	Ministry of Health and Family Welfare
MOR	-	Ministry of Railways
MOSR	-	Minister of State for Railways
MoSRT	-	Ministry of Shipping, Road Transport and Highways
MoWR	-	Ministry of Water Resources
MPMCM	-	Medical Preparedness and Mass Casualty Management
MR	-	Minister for Railways

DISASTER MANAGEMENT PLAN

M/T& RS	-	Member (Traction and Rolling Stock)
NAHI	-	National Association of Home Inspectors
NBC	-	Nuclear, Biological & Chemical
NAIR	-	National Academy of Indian Railways
NCMC	-	National Crisis Management Committee
NCRMP	-	National Cyclone Risk Mitigation Project
NDM	-	National Disaster Management
NDMA	-	National Disaster Management Authority
NDRF	-	National Disaster Response Force
NEC	-	National Executive Committee
NFMI	-	National Flood Management Institute
NGO	-	Non-Governmental Organization
NIDM	-	National Institute of Disaster Management
NIO	-	North Indian Ocean
NIOT	-	National Institute of Ocean Technology
NSG	-	National Security Guard
OC	-	Officer-in-Charge
OHE	-	Over Head Equipment
Op.	-	Operations
PA	-	Public Address
PCCM	-	Principal Chief Commercial Manager
PCE	-	Principal Chief Engineer
PCEE	-	Principal Chief Electrical Engineer
PCMD	-	Principal Chief Medical Director
PCME	-	Principal Chief Mechanical Engineer
PCMM	-	Principal Chief Materials Manager
PCO	-	Public Call Office
PCOM	-	Principal Chief Operating Manager
PCPO	-	Principal Chief Personnel Officer
PCR	-	Power Controller
PCSC	-	Principal Chief Security Commissioner
PCSO	-	Principal Chief Safety Officer
PHOD	-	Principal Head of Department
PMO	-	Prime Minister Office
PMC	-	Primary Medical Centre
POMKA	-	Portable Medical Kit for Accidents
PPE	-	Personal Protective Equipment
PR	-	Public Relations
PRO	-	Public Relations Officer
PSU	-	Public Sector Undertaking
PTWC	-	Pacific Tsunami Warning Centre

P.W.I	-	Permanent Way Inspector
QRT	-	Quick Reaction Teams
R&D	-	Research & Development
RAT	-	Remote Administration Tool
RAW	-	Research and Analysis Wing
RCT	-	Railway Claims Tribunal
RDSO	-	Research, Design and Standards Organization
RE	-	Railway Electrification
RMC	-	Regional Meteorological Centres
RMS	-	Railway Mail Service
ROB	-	Road Over Bridge
RPF	-	Railway Protection Force
RPSF	-	Railway Protection Special Force
RUB	-	Road Under Bridge
S&T	-	Signal & Telecommunication
SDMA	-	State Disaster Management Authority
SDMP	-	State Disaster Management Plan
SDGM	-	Senior Deputy General Manager
SDRF	-	State Disaster Response Force
SEC	-	State Executive Committee
SHO	-	Station House Officer
SLR	-	Second Class-cum-Luggage-cum-Brake Van
SM	-	Station Manager
SO	-	Staff Officer
SOP	-	Standard Operating Procedure
SOS	-	International Call for Distress
SPARME	-	Self-Propelled Accident Relief Medical Equipment
SPART	-	Self-Propelled Accident Relief Train
Sr. DCM	-	Senior Divisional Commercial Manager
Sr. DEE	-	Senior Divisional Electrical Engineer
Sr. DME	-	Senior Divisional Mechanical Engineer
Sr. DMO	-	Senior Divisional Medical Officer
Sr. DOM	-	Senior Divisional Operations Manager
Sr. DPO	-	Senior Divisional Personnel Officer
Sr. DSC	-	Senior Divisional Security Commissioner
Sr. DSO	-	Senior Divisional Safety Officer
Sr. DSTE	-	senior Divisional Signal & Telecommunication Engineer
SS	-	Station Superintendent
SSE	-	Senior Section Engineer

St. JAB	-	St. John Ambulance Brigade
STC	-	Supervisor Training Centre
STD	-	Subscriber Trunk Dialling
STM	-	Senior Transportation Manager
STS	-	System Technical School
TA	-	Territorial Army
TC	-	Tropical Cyclones
TCI	-	Telecommunication Inspector
TCM	-	Telecommunication Maintainer
TI	-	Traffic Inspector
TMS	-	Terminal Management System
TRD	-	Traction Distribution
TS	-	Train Superintendent
TTE	-	Travelling Ticket Examiner
TXR	-	Train Examiner
UCC	-	Unified Command Centre
UNISDR	-	United Nations International Strategy for Disaster Reduction
UNDP	-	United Nations Developmental Programme
UT	-	Union Territory
VHF	-	Very High Frequency
VPU	-	Vehicle Parcel Van
WLI	-	Welfare Inspector
WLL	-	Wireless on Local loop
WTT	-	Working Time Table
ZDMP	-	Zonal Disaster Management Plan
ZRTI	-	Zonal Railway Training Institute

CHAPTER -1

INTRODUCTION

1.1 Background :

Indian Railways is the life-line of the nation and the fourth largest Railway network in the world by size. Western Railway is one of the 18 zones of Indian Railways, and is among the busiest railway networks in India. The railway system is divided into six operating divisions: Mumbai, Vadodara, Ratlam, Ahmedabad, Rajkot & Bhavnagar.

As a national common carrier, transporting passengers and goods over its vast network, Indian Railways has always played a key role in India's social and economic development. It is a cheap and affordable means of transportation for millions of passengers. As a carrier of bulk freight viz. ores and minerals, iron and steel, cement, mineral oils, food grains and fertilizers, containerized cargo etc. The importance of Indian Railways for agriculture, industry and the common man is well recognized.

Indian Railways, functioning as the Ministry of Railways, is headed by the Minister for Railways. The apex body entrusted with the management of this mega enterprise is led by the Chairman Railway Board & Chief Executive Officer. Members of the Railway Board include Member (Infrastructure)- M/INFRA, Member (Traction & Rolling Stock)- M/T&RS, Member (Operations & Business Development)- M/O&BD, Member (Finance)- MF, Director General (Safety) - DG(SAFETY), Director General (HR)- DG(HR), Director General (RPF)-DG(RPF), Director General (RHS)-DG(RHS); who represent their respective functional domains. Safety organization is headed by DG(SAFETY). Further for administrative convenience, Indian Railways is divided into 18 Zones, each headed by a General Manager (GM). The Zonal Railways are further divided into 70 divisions, each under a Divisional Railway Manager (DRM) where teams of officers, supervisors and staff are directly looking after day to day operational works of the Railways and interacting with rail users. In addition, there are a number of Production Units, Training Establishments, Public Sector Enterprises and other offices working under the control of the Railway Board.

Indian Railways came into existence with the running of the first train in 1853. Ever since then handling train accidents has been a priority area for the railways. With the main reason for building up of the rail network by the British Empire being the transportation of the military requirements through the Indian Railways, the railway organization worked hand in hand with the army authorities. Sharing of the Indian Railways and Army Cranes as also their Medical Vans in times of a train accident was an accepted system for handling disasters (rail accidents).

Western Railway was created on 5 November 1951 by the merger of several state-owned railways, including the Bombay, Baroda, and Central India Railway (BB&CI), the Saurashtra Railway, Rajputana Railway and Jaipur State Railway. The narrow gauge lines of Kutch State Railway were also merged into it in 1951. The BB&CI Railway was itself inaugurated in 1855, starting with the construction of a 29-mile (47-km) broad gauge track from Ankleshwar to Utran in Gujarat State on the West coast. In 1864, the railway was extended to Mumbai.

With the gradual growth of Indian Railways and its transition to transportation of passengers and other goods including raw material for industries etc. the railway gradually built up its own infrastructure of Cranes, Accident Relief Trains (ARTs), Accident Relief Medical Equipment Van (ARMVs) and self-propelled ART/ARMVs (SPART). Till the beginning of the year 2005, a disaster on the railway in effect meant a serious train accident and other disasters viz. Floods, Earthquakes etc. and were handled in an uncoordinated manner. Disaster preparedness of the Railways, mainly pertaining to handling train accidents, had been gone into by a High-Level Committee (HLC) in the year 2002/03 whose recommendations, where relevant, have been kept in view in the preparation of Railways Disaster Management Plan.

The situation has now changed with the promulgation of the Disaster Management (DM) Act in 2005. A disaster in Railway's parlance also, no longer means only a train accident, but its scope has become much wider to include other incidents, terrorism related activities and natural calamities etc. The Indian Railways Disaster Management Plan has been prepared on the principles now incorporated in the Disaster Management Act, National Disaster Management Plan and also Guidelines issued by NDMA. The basic philosophy is now to be followed is of sharing resources of all Government Departments along with Railways own resources available to handle serious train accidents, other mishaps, terrorism related crisis, natural calamities etc.

1.2 CONCEPT OF DISASTER ON RAILWAYS

1.2.1 Disaster defined in Railways' Context:

The concept of a Disaster was, till the year 2005, not adequately and comprehensively defined on Indian Railways. It was understood that a Disaster situation implies, on the railways, to cover only cases of serious rail/train accidents. It was, perhaps, due to this anomaly as late as the year 2008, even CAG's report on DM on Indian Railways has broadly adopted this fact in the concept of disaster and has gone to examine the relief/rescue/mitigation and preparedness of Indian Railways based on the earlier concepts and has reviewed the facilities for handling disasters available with the Railways only on the report/recommendations of the HLC on DM.

The definition of DM as given by the Government of India was legislated for the first time in the Disaster Management Act, 2005. The broad principles of disaster for any department of the government changed to the concept of any incident, which could not be handled by the department singularly i.e. if it was beyond the coping capacity of a particular department, the incident could be termed as a disaster. With this came the concept of the departments of Government of India as

also the State governments joining hands to extend whatever facilities were available with them to provide relief/rescue and mitigation on the occurrence of a disaster.

In the Disaster Management Plan of Western Railway, this concept of disaster, which has now evolved, has been adopted. All efforts are being made by this railway to ensure that, down the line, this concept is understood.

While this Disaster Management Plan is a comprehensive document, more detailed guidelines where required will be laid down by the Railway Board on specific topics under the overall philosophy of Disaster Management laid down in this document. For instance, this has been done in the Guidelines on Management of Chemical Disasters and the Hospital DM Plan.

1.2.2 Strengths of the Railways to handle a Disaster: -

In handling disasters, Indian Railways is in a unique position as it has a number of strengths not available with many other departments of Government of India. These include:

- Railways' own Communication Network.
- Operating Control on each Division linked with each Station.
- Territorial Army Units.
- Uniformed force of RPF/RPSF
- Railways' own Medical Infrastructure
- Civil Defence Organization
- An army of gang men spread out all over the Indian Railways.
- Scouts and Guides
- Dedicated Rescue/Restoration and Medical Equipment on Rails

1.2.3 Types of Disasters:

Disaster in the Railway context was traditionally a serious train accident, caused by human/equipment failure, which may affect normal movement of train services with loss of human life or property or both. This is now extended to include natural and other manmade disasters. Different types of disasters are described along with a few examples, as below:

(a) Natural Disasters:

Earthquakes, Floods, Cyclones, Landslides, Snow Avalanches, Tsunami etc.

(b) Train Accident related Disaster:

Collisions (with a huge number of casualties), Train marooned (flash floods), derailments on a bridge over a water body/gorge and coaches fallen down, train washed away in cyclone, derailment of a train carrying explosives or highly inflammable material, collapse of tunnel/deep cutting on a train, fire or explosion in trains, and other miscellaneous cases.

(c) Man-made Disasters:

Acts of Terrorism and Sabotage, i.e. causing deliberate loss of life and/or damage to

DISASTER MANAGEMENT PLAN

property, which includes: - Setting a Train or Railway installations etc. on fire, bomb blast at Railway Station/Train, Chemical (Terrorism) Disaster, Biological, Radiological and Nuclear (CBRN) Disaster.

1.2.4 Changed Philosophy of Disaster Management in the Railways

With the enactment of the Disaster Management Act, 2005 and other developments on the national level, DM philosophy has also changed to adopt the latest concepts.

NEW PHILOSOPHY:

- Serious train accidents, not the only events termed as disasters.
- Other events, e.g. Internal security related events like terrorist attack at station/train, marooning of train due to flash flood, disruption to traffic due to natural factors like earthquake, cyclone, floods etc.
- No more Relief and Rescue Centric.
- Holistic Approach adopted to incorporate:
 - Understanding Disaster
 - Risk Reduction
 - Risk Prevention
 - Mitigation
 - Preparedness
 - Rescue, Relief
 - Rehabilitation

New Philosophy gives more Emphasis on Understanding disaster risk, risk reduction, prevention and mitigation as under:

- Understanding Risks
- Risk reduction
- Prevent and mitigate disasters.
- Audit Existing Systems for Disaster Resistance, Disaster Prevention and Mitigation on the basis of NDMA's and self-prepared guidelines.
- Disaster Management in Developmental Planning – New activities should be disaster resistant.
- Preparedness, Rescue, Relief and Rehabilitation - Dimensions of DM.
- Expertise based response from all stakeholders.
- Pooling of resources of all agencies, e.g. local administration, community, Defence, hospitals and other Govt. Organizations.

1.2.5 Definition of a Disaster on Railways:

Based on the definition of the Disaster Management Act 2005, Ministry of Railways has adopted the following definition of Railway Disaster:

“Railway Disaster is a serious train accident or an untoward event of grave nature, either on railway premises or arising out of railway activity, due to natural or man-made causes, that may lead to loss of many lives and/or grievous injuries to a large number of people, and/or severe disruption of traffic etc. necessitating large scale help from other Government/Non-government and Private Organizations.”

1.2.6 Nodal department for Policy Formulation on DM on Indian Railways:

The preparation of the Disaster Management Plans on Indian Railways and on the Zonal Railways in coordination with the different Departments of the Railway, other Central/State Govt. agencies, NGOs, Private agencies, etc. has to be done by the Safety department in the Railway Board, on the Zonal Railways and Divisions.

The Hospital DM plans and the Security arrangements (drills etc.) shall be prepared and coordinated by the Medical and the Security department respectively.

The Management of Floods, Cyclones, Earthquakes, Landslides, etc. and preventive action/mitigation shall be coordinated by the Civil Engineering Department.

The Rescue and Restoration centric DM including preparation of plans and procurement of specialized equipment and rescue centric training of personnel has to be coordinated by the Mechanical Department.

1.2.7 Authority to declare a Disaster on Railways:

Railway Board has nominated GM, AGM or PCSO (when GM/AGM are not available) of a Zonal Railway for declaring an untoward incident as Railway Disaster. With the adoption of the above definition of Railway disaster as envisaged in para 1.2.7, it needs to be appreciated that apart from serious train accidents, there may be many more Railway related events which may not even involve human lives, but if not handled and managed properly, may cause a disaster. Necessary prevention and mitigation measures are to be taken by the Railways beforehand for such eventualities.

Western Railway through this Zonal Disaster Management Plan has tried to address risk assessment, risk reduction, prevention, mitigation, preparedness, rescue and relief related issues covering all types of disasters affecting railway system in detail. This should also be appropriately incorporated in the Divisional Disaster Management plans, with more details for the action at that level.

CHAPTER - 2

INSTITUTIONAL FRAMEWORK FOR DISASTER MANAGEMENT

2.0 National Level

The overall coordination of disaster management vests with the Ministry of Home Affairs (MHA). The Cabinet Committee on Security (CCS) and the National Crisis Management Committee (NCMC) are the key committees involved in the top-level decision-making with regard to disaster management. The NDMA is the lead agency responsible for the preparation of DM plans and the execution of DM functions at the national level. Figure 2-1 provides a schematic view of the basic institutional structure for DM at national level. The figure represents merely the institutional pathways for coordination, decision-making and communication for disaster management and does not imply any chain of command.

In most cases, state governments will be carrying out disaster management with the central government playing a supporting role. The central agencies will participate only on the request from the state government. Within each state, there is a separate institutional framework for disaster management at the state-level. The DM Act of 2005 provides for the setting up of NDMA at national level, and the SDMA at the state level. The role, composition and the role of the key decision-making bodies for disaster management at national-level are briefly described in the Table 2-1.

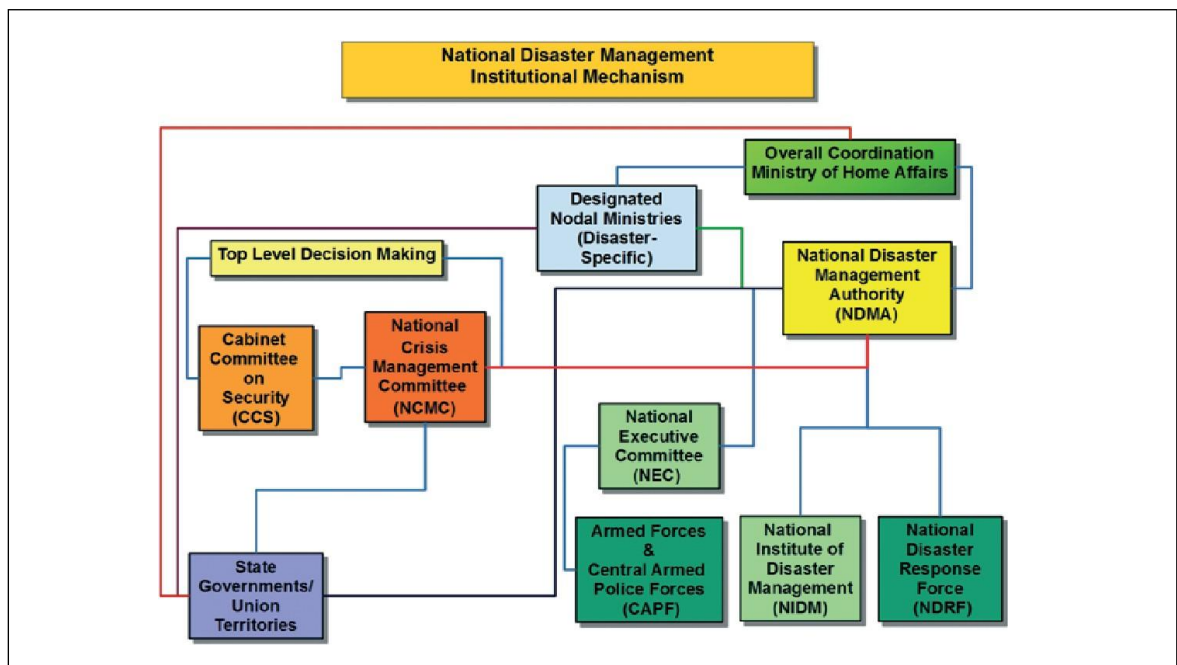


Figure 2-1: National-level disaster management - basic institutional framework.

From time to time, the central government notifies hazard-specific nodal ministries to function as the lead agency in managing particular types of disasters (see Table 2-1 for current list of disaster

Table 2.1: Nodal Ministry for Management / Mitigation of Different Disasters.

SN	Disaster	Nodal Ministry/ Department
1.	Accident - Air (Civil Aviation)	Min. of Civil Aviation (MOCA)
2.	Accidents - Rail	Min. of Railways (MOR)
3.	Accidents - Road	Min. of Road Transport and Highways (MRTH)
4.	Avalanche	Min. of Defence (MOD) - Border Road Organization (BRO)
5.	Biological Emergencies	Min. of Health and Family Welfare (MHFW)
6.	Cold-Wave	Min. of Agriculture and Farmers Welfare (MAFW)
7.	Cyclone/ Tornado	Min. of Earth Sciences (MOES)
8.	Drought	Min. of Agriculture and Farmers Welfare (MAFW)
9.	Earthquake	Min. of Earth Sciences (MOES)
10.	Flood	Min. of Jal Shakti (MOJS)
11.	Floods - Urban	Min. of Housing and Urban Affairs (MHUA)
12.	Forest Fire	Min. of Environment, Forests, and Climate Change (MEFCC)
13.	Frost	Min. of Agriculture and Farmers Welfare (MAFW)
14.	Hailstorm	Min. of Agriculture and Farmers Welfare (MAFW)
15.	Industrial and Chemical	Min. of Environment, Forests and Climate Change (MEFCC)
16.	Landslides	Min. of Mines (MOM)
17.	Nuclear and Radiological	Dept. of Atomic Energy (DAE)
18.	Oil Spills	Min. of Defence (MOD) - Indian Coast Guard (ICG)
19.	Pest Attack	Min. of Agriculture and Farmers Welfare (MAFW)
20.	Tsunami	Min. of Earth Sciences (MOES)

2.1 National Disaster Management Authority (NDMA):

The Government of India established the NDMA in 2005, headed by the Prime Minister. Under the DM Act 2005, the NDMA, as the apex body for disaster management, shall have the responsibility for laying down the policies, plans, and guidelines for disaster management for ensuring timely and effective response to disaster. The guidelines of NDMA will assist the Central Ministries, Departments, and States to formulate their respective DM plans. It will approve the National Disaster Management Plans and DM plans of the Central Ministries / Departments. It will take such other measures, as it may consider necessary, for the prevention of disasters, or mitigation, or preparedness and capacity building, for dealing with a threatening disaster situation or disaster. Central Ministries / Departments and State Governments will extend necessary cooperation and assistance to NDMA for carrying out its mandate. It will oversee the provision and application of funds for mitigation and preparedness measures.

NDMA has the power to authorize the Departments or authorities concerned, to make emergency procurement of provisions or materials for rescue and relief in a threatening disaster situation or disaster. The general superintendence, direction, and control of the National Disaster

Response Force (**NDRF**) is vested in and will be exercised by the NDMA. The National Institute of Disaster Management (**NIDM**) works within the framework of broad policies and guidelines laid down by the NDMA. The NDMA has the mandate to deal with all types of disasters – natural or human-induced. However, other emergencies such as terrorism (counter-insurgency), law and order situations, hijacking, air accidents, CBRN weapon systems, which require the close involvement of the security forces and/or intelligence agencies, and other incidents such as mine disasters, port and harbour emergencies, forest fires, oilfield fires and oil spills will be handled by the National Crisis Management Committee (NCMC). Nevertheless, NDMA may formulate guidelines and facilitate training and preparedness activities in respect of CBRN emergencies.

2.2 National Institute of Disaster Management (NIDM):

As per the provisions of the Chapter-VII of the DM Act, Government of India constituted the National Institute of Disaster Management (NIDM) under an Act of Parliament with the goal of being the premier institute for capacity development for disaster management in India and the region. The vision of NIDM is to create a Disaster Resilient India by building the capacity at all levels for disaster prevention and preparedness. NIDM has been assigned nodal responsibilities for human resource development, capacity building, training, research, documentation, and policy advocacy in the field of disaster management. The NIDM has built strategic partnerships with various ministries and departments of the central, state, and local governments, academic, research and technical organizations in India and abroad and other bi-lateral and multilateral international agencies. It provides technical support to the state governments through the Disaster Management Centre (DMCs) in the Administrative Training Institutes (ATIs) of the States and Union Territories. Presently it is supporting as many as 30 such Centre. Six of them are being developed as Centre of Excellence in the specialized areas of risk management – flood, earthquake, cyclone, drought, landslides, and industrial disasters.

2.3 National Disaster Response Force (NDRF):

The NDRF has been constituted as per the Chapter-VIII of the DM Act 2005 as a specialist response force that can be deployed in a threatening disaster situation or disaster. As per the DM Act, the general superintendence, direction and control of the NDRF shall be vested and exercised by the **NDMA**. The command and supervision of the NDRF shall vest with the Director General appointed by the Government of India. The NDRF will position its battalions at different locations as required for effective response. NDRF units will maintain close liaison with the designated State Governments and will be available to them in the event of any serious threatening disaster situation. The **NDRF** is equipped and trained to respond to situations arising out of natural disasters and CBRN emergencies. The NDRF units will also impart basic training to all the stakeholders identified by the State Governments in their respective locations. Further, a National Academy will be set up to provide training for trainers in disaster management and to

meet related National and International commitments. Experience in major disasters has clearly shown the need for pre-positioning of some response forces to augment the resources at the State level at crucial locations including some in high altitude regions.

2.3.1 General – First and Key Responders:

The role and importance of community, under the leadership of the local authorities, Panchayati Raj Institutions (PRIs) and Urban Local Bodies (ULBs), being the bedrock of the process of disaster response, is well recognized. For their immediate support, there are other important first responders like the police, State Disaster Response Force (SDRFs), Fire and Medical Services. The NDRF will provide specialist response training whenever required. In serious situations, the resources of all NDRF battalions, on an as required basis, will be concentrated in the shortest possible time in the disaster affected areas. Other important responders will be the Civil Defence, Home Guards and youth organizations such as NCC, NSS and NYKS. The deployment of the armed forces will also be organized on as required basis.

2.3.2 Location, Constitution and Functions:

NDRF Battalions have been formed under the Disaster Management Act at 16 selected locations in the country for dealing with relief and rescue operations related to all types of disasters. The NDRF consists of battalions of Central paramilitary forces drawn from the Border Security Force (BSF), Indo-Tibetan Border Police (ITBP), Central Industrial Security Force (CISF) and Central Reserve Police Force (CRPF) for the purpose of specialist response in disaster situations. Each Battalion has 6 Companies comprising 3 teams each. Team comprises of 45 men out of which 24 are for Search & Rescue and balance 21 for support functions. Short-listed & trained staff is on deputation in NDRF. **The Details of NDRF organization, its battalions & Locations of NDRF are brought out in Para 4.10 of Zonal Disaster Management Plan Part-2.**

As per the Disaster Management Act, various ministries and departments under Government of India should join hands for mutual assistance in case of a disaster. Assistance from local government and non-government agencies is invariably required by the railway administration for prompt relief and rescue operation in case of disasters affecting railways and, therefore, assistance of NDRF could be of great help to the railways. The rail infrastructure is not in an island away from the civil areas (of the Districts/States). In most cases of a disaster, other than a train accident, the State Governments as well as the Zonal Railways would, therefore, requisition the NDRF simultaneously (for the same disaster). Coordination amongst the affected agencies (many departments of the Central Government and the States) is very important before the help of NDRF is requisitioned.

2.3.3 Coordination with NDRF:

Zonal Railways should get in touch with NDRF offices at the nearby locations to have first-hand knowledge of the resources available with them and also to familiarize them with railway related disaster situations and expose them to the issues relevant to the rescue and relief of passengers during railway accidents. It has also been advised to associate NDRF in full scale exercise that is held once every year. There are no charges for availing the services of NDRF except the rail transportation which railways may provide at railways cost for attending to rail disasters. Railways may also have to provide rail transportation logistics for transporting NDRF team even in case of non-railway exigencies.

The Railway Board has empowered DRMs/PCSOs to directly requisition the relevant NDRF battalion for relief and rescue operations depending on the gravity of the situation so that their services could be made available expeditiously without any loss of time. NDRF Headquarter office, New Delhi will draw an annual calendar for zone/division-wise meeting between NDRF Battalion Commandants and Railway Safety officials for better coordination and management during disasters/major train accidents. NDRF battalion should carry out at least one or two mock exercises/coordination meetings with each zonal Railway in a year, for which an annual calendar will be issued by Board in consultation with NDRF HQs office.

2.4 State Level:

As per the DM Act of 2005, each state in India shall have its own institutional framework for disaster management. Among other things, the DM Act, mandates that each State Government shall take necessary steps for the preparation of state DM plans, integration of measures for prevention of disasters or mitigation into state development plans, allocation of funds, and establish EWS. Depending on specific situations and needs, the State Government shall also assist the Central Government and central agencies in various aspects of DM.

The DM Act mandates the setting of a State Disaster Management Authority with the Chief Minister as the *ex officio* Chairperson. Similar system will function in each Union Territory with Lieutenant Governor as the Chairperson. At the district level, the District Disaster Management Authority (DDMA), the District Collector or District Magistrate or the Deputy Commissioner, as applicable, will be responsible for overall coordination of the disaster management efforts and planning. Figure- 2-2 provides a schematic view of the typical state-level institutional framework does not imply any chain of command.

2.5 State Disaster Management Authority (SDMA):

As per provisions in Chapter-III of the DM Act, each State Government shall establish a State Disaster Management Authority (SDMA) or its equivalent under a different name with the Chief Minister as the Chairperson. In case of other UTs, the Lieutenant Governor or the Administrator shall be the Chairperson of that Authority. For the UT of Delhi, the Lieutenant Governor and the Chief Minister shall be the Chairperson and Vice-Chairperson respectively of the State Authority. In the case of a UT having Legislative Assembly, except the UT of Delhi, the Chief Minister shall be the Chairperson of the Authority established under this section. The SDMA will lay down policies and plans for DM in the State. It will, inter alia approve the State Plan in accordance with the guidelines laid down by the NDMA, coordinate the implementation of the State Plan, recommend provision of funds for mitigation and preparedness measures and review the developmental plans of the different Departments of the State to ensure the integration of prevention, preparedness and mitigation measures. The State Government shall constitute a State Executive Committee (SEC) to assist the SDMA in the performance of its functions. The SEC will be headed by the Chief Secretary to the State Government. The SEC will coordinate and monitor the implementation of the National Policy, the National Plan, and the State Plan. The SEC will also provide information to the NDMA relating to different aspects of DM.

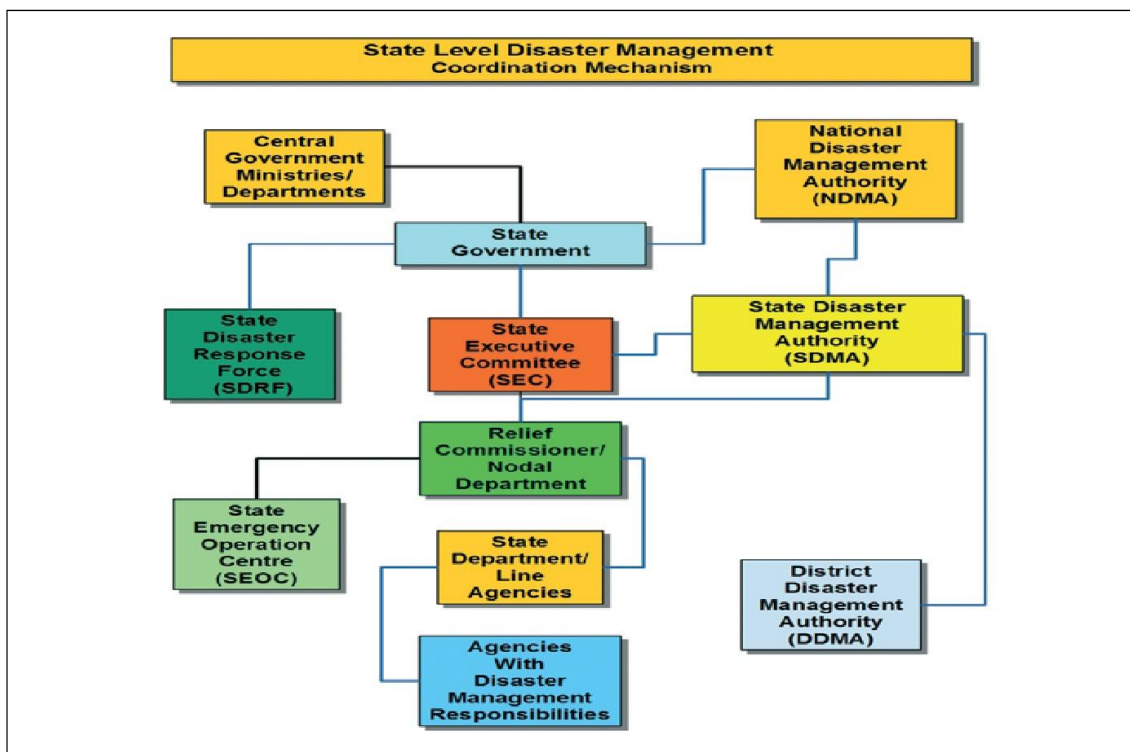


Figure 2.2: State level Disaster Management – Basic Institutional framework

2.6 District Disaster Management Authority (DDMA):

As per provisions in Chapter-IV of the DM Act, each State Government shall establish a District Disaster Management Authority for every district in the State with such name as may be specified in that notification. The DDMA will be headed by the District Collector, Deputy Commissioner, or District Magistrate as the case may be, with the elected representative of the local authority as the Co-Chairperson. The State Government shall appoint an officer not below the rank of Additional Collector or Additional District Magistrate or Additional Deputy Commissioner, as the case may be, of the district to be the Chief Executive Officer of the District Authority. The DDMA will act as the planning, coordinating and implementing body for DM at the District level and take all necessary measures for the purposes of DM in accordance with the guidelines laid down by the NDMA and SDMA. It will, inter alia, prepare the DM plan for the District and monitor the implementation of the all relevant national, state, and district policies and plans. The DDMA will also ensure that the guidelines for prevention, mitigation, preparedness, and response measures laid down by the NDMA and the SDMA are followed by all the district-level offices of the various departments of the State Government.

2.7 Plan Implementation

The DM Act 2005 enjoins central and state governments to make provisions for the implementation of the disaster management plans. In this respect, the sections of the DM Act 2005 applicable for national, state, and district DM plans are 11, 23, and 31. The Chapters V and VI of the DM Act spell out the responsibilities of the central, state, and local governments with respect to disaster management. The DM Act states that every Ministry or Department of the Government of India shall make provisions, in its annual budget, for funds for the purposes of carrying out the activities and programs set out in its disaster management plan. The Act mandates that every Ministry and Department of the Government of India and every state must prepare a DMP in accordance with the NDMP. Annually, respective DM authorities must review and update their DM plans. Central ministries and state governments will integrate DRR into their development policy, planning and programming at all levels. They must adopt a holistic approach and build multi-stakeholder partnerships at all levels, as appropriate, for the implementation of the DM plans. Depending on its nature, different components of the NDMP will be implemented within a span of five, ten, or fifteen years. The plan is highly ambitious and the complete implementation of all elements across the country may take a very long time. Nevertheless, both central and state governments have already made considerable progress and they are expected to make sincere efforts for the implementation of the DM plans. The NDMA has prepared and published hazard-specific guidelines and reports covering various aspects of disaster management and including a separate one for response, details are listed below.

Table 2.3: NDMA's Guidelines on Disaster Management: -

1.	Management of Chemical Disaster (Industrial)	2007
2.	Management of Earthquakes	2007
3.	Formulation of State Disaster Management Plans	2007
4.	Management of Floods	2008
5.	Medical Preparedness & Mass Casualty Management	2008
6.	Management of Cyclones	2008
7.	Management of Biological Disasters	2008
8.	Management of Nuclear & Radiological Emergencies	2009
9.	Management of Chemical (Terrorism)Disasters	2009
10.	Management of Landslides and Snow Avalanches	2009
11.	National Policy on Disaster Management	2009
12.	Psycho- Social Support & Mental Health Services in Disasters	2009
13.	Incident Response System Guidelines	2010
14.	Management of Tsunamis	2010
15.	Management of Urban Flooding	2010
16.	Drought Management	2010
17.	National Disaster Management Information & Communication System	2012
18.	Scaling, type of Equipment and Training of Fire services	2012
19.	Guidelines for Seismic Retrofitting of Deficient Buildings and structures	2014
20.	Guidelines on Management of Hospital Safety	2016
21.	Guidelines on Management of School Safety	2016
22.	Guidelines for Preparation of Action Plan-Prevention and Management of Heat-wave.	2019
23.	Simplified Guideline for Earthquake Safety of Building from National Building Code of India 2016	2021
24.	National Guidelines for Preparation of Action plan - Prevention and Management of Cold Wave and Frost 2021	2021
25.	Updated National Guidelines For Mental Health and Psychosocial Support Services in Disasters - 2023	2023
26.	National Guidelines on Community - Based Disaster Risk Reduction (CBDRR)	2024
27.	National Guidelines For Establishment and Operations of Emergency Operations Center (EOC)	2024
28.	National Guidelines on Disaster Management Exercises (DMEx)	2024
29.	National Guidelines on International Humanitarian Assistance and Disaster Relief (HADR)	2024
30.	Guidelines on Comprehensive Disaster Victim Identification and Management	2026

Table 2.4: NDMA Reports (As Broad Guidelines) on disaster Management: -

1. Revamping of Civil Defence.
2. NIDM's Functioning
3. Pandemic Preparedness Beyond Health
4. Disaster Response Training at the Centre & States
5. NDRF and SDRF
6. Strengthening Safety/Security in Transportation of POL Tankers
7. Threats to Municipal Water Supply and Water Reservoirs
8. Mechanism to Detect, Prevent and Respond to Radiological Emergencies
9. Management of Dead in the Aftermath of Disaster
10. Minimum Standards of Relief
11. Role of NGOs in Disaster Management
12. Pilot Project on Capacity Building for advanced Trauma Life Support in India
13. Capacity Building in Disaster Management for Government Officers and Representative of Panchayat Raj Institution and Urban District Level
14. Training Regime for Disaster Response
15. Hand Book for Training and Capacity Building of Civil Defence & sister Organizations (part-I)
16. Hand Book for Training and Capacity Building of Civil Defence & sister Organizations (part-II)
17. Managing Crowd at Events and Venues of Mass Gathering
18. Cyclone Hudhud-Strategies and lessons for preparing better & strengthen risk resilience in coastal regions of India.

CHAPTER - 3

REDUCING RISK AND ENHANCING RESILIENCE

3.1 Background:

The Disaster Management Act, 2005 and the National Policy, 2009 marks the institutionalization of the paradigm shift in disaster management in India, from a relief-centric approach to one of proactive prevention, mitigation and preparedness. The Policy notes that while it is not possible to avoid natural hazards, adequate mitigation and disaster risk reduction measures can prevent the hazards becoming major disasters. Disaster risk arises when hazards interact with physical, social, economic and environmental vulnerabilities. The National Policy suggests a multi-pronged approach for disaster risk reduction and mitigation consisting of the following:

- Integrating risk reduction measures into all development projects.
- Initiating mitigation projects in identified high priority areas through joint efforts of the Central and State Governments.
- Encouraging and assisting State level mitigation projects.
- Paying attention to indigenous knowledge on disaster and coping mechanisms.
- Giving due weightage to the protection of heritage structures.

In the terminology adopted by the “United Nations International Strategy for Disaster Reduction” (UNISDR), the concept and practice of reducing disaster risks involve systematic efforts to analyze and manage the causal factors of disasters, including through reduced exposure to hazards, lessened vulnerability of people and property, wise management of land and the environment, and improved preparedness for adverse events. While both the terms “Disaster Reduction” and “Disaster Risk Reduction” (DRR) are widely used, the latter provides a better recognition of the ongoing nature of disaster risks and the ongoing potential to reduce these risks. Mitigation consists of various measures required for lessening or limiting the adverse impacts of hazards and related disasters.

The disaster risk reduction and mitigation plan integrate the global targets into the national efforts and seeks to strengthen significantly India’s reliance to both natural and human-induced disasters. The DM Act 2005 defines “Mitigation” as measures aimed at reducing the risk, impact, or effects of a disaster or threatening disaster situation.” Goal of mitigation is to minimize risks from multiple hazards and the threats from individual hazards need not always occur in isolation. At times, a hazardous event can trigger secondary events. For example, an earthquake can produce a tsunami or may create flooding or landslides. Similarly, cyclones often lead to flooding and various other cascading events spread over an area wider than the primary event. In addition, demographics, nature of human settlements, and effects of global climate change can

magnify the vulnerability of the communities at risk. The DM Plan, therefore, focuses on enhancing the mitigation capabilities for multiple hazards and their likely cascading effects.

Guiding principle of Sendai Framework states that disaster risk reduction requires responsibilities to be shared by different divisions of governments and various agencies. The effectiveness in disaster risk reduction will depend on coordination mechanisms within and across sectors and with relevant stakeholders at all levels. For each hazard, the approach used in the national plan incorporates the four priorities enunciated in the Sendai Framework into the planning framework for Disaster Risk

Reduction under the five thematic areas for action.

1. Understanding Risk
2. Inter-Agency Coordination
3. Investing in DRR - Structural Measures
4. Investing in DRR - Non-Structural Measures
5. Capacity Development

For each of these thematic areas for action, a set of major themes have been identified for inclusion in the planning framework.

3.1.1 Understanding Risk:

This thematic area for action focuses on understanding disaster risk, the Priority-1 in the Sendai Framework integrates into it numerous actions needed for strengthening disaster resilience. The major themes for action are: a) Observation Networks, Information Systems, Research, Forecasting, b) Zoning / Mapping, c) Monitoring and Warning Systems, d) Hazard Risk and Vulnerability Assessment (HRVA), and e) Dissemination of Warnings, Data, and Information. Having adequate systems to provide warnings, disseminate information, and carry out meaningful monitoring of hazards are crucial to disaster risk reduction, and improving resilience. They are also an integral part of improving the understanding of risk.

3.1.2 Inter-Agency Coordination:

Inter-agency coordination is a key component of strengthening the disaster risk governance - Priority-2 of the Sendai Framework. The major themes for action required for improving the top-level interagency coordination are a) Overall disaster governance b) Response c) Providing warnings, information, and data and d) Non-structural measures. The central ministries and agencies mentioned are those vested with hazard-specific responsibilities by the Govt. of India or those expected to play major roles in the thematic areas given in the matrix.

3.1.3 Investing in DRR – Structural Measures:

Undertaking necessary structural measures is one of the major thematic areas for action for disaster risk reduction and enhancing resilience. These consist of various physical infrastructure and facilities required to help communities cope with disasters. The implementation of these measures is essential to enhance disaster preparedness, a component of Priority-4 of the Sendai Framework. It is also an important component of investing in disaster risk reduction for resilience, which is Priority-3 of Sendai Framework.

3.1.4 Investing in DRR – Non-Structural Measures:

Sets of appropriate laws, mechanisms, and techno-legal regimes are crucial components in strengthening the disaster risk governance to manage disaster risk, which is Priority-2 of the Sendai Framework. These non-structural measures comprising of laws, norms, rules, guidelines, and techno-legal regime (e.g., building codes) framework and empowers the authorities to mainstream disaster risk reduction and disaster resilience into development activities. The central and state governments will have to set up necessary institutional support for enforcement, monitoring, and compliance.

3.1.5 Capacity Development:

Capacity development is a theme in all the thematic areas for action. The Sendai Priority-2. (Strengthening DRR governance to manage DR) and Priority-3 (Investing in DRR for resilience) are central to capacity development. The capacity development includes training programs, curriculum development, large-scale awareness creation efforts, and carrying out regular mock drills and disaster response exercises. The capabilities to implement, enforce, and monitor various disaster mitigation measures has to be improved at all levels from the local to the higher levels of governance. It is also strengthening the DRR governance at all levels to better manage risk and to make the governance systems more responsive.

3.1.6 Hazard-wise Responsibility Matrices for Disaster Risk Mitigation:

For the DM plans to succeed, it is necessary to identify various stakeholders/agencies and clearly specify their roles and responsibilities. At all levels - from local to the Centre - the relevant authorities must institutionalize programs and activities at the ministry/department levels, and increase inter-ministerial and inter-agency coordination and networking. They must also rationalize and augment the existing regulatory framework and infrastructure. For each hazard, in the subsections that follow, themes for action are presented in a separate responsibility matrix for each of the five thematic areas for action. It must be noted that the role of the central agencies is to support the disaster-affected State or the UT in response to requests for assistance. However,

the central agencies will play a proactive role in disaster situations. In the domains of DM planning, preparedness, and capacity building, the central agencies will constantly work to upgrade Indian DM systems and practices as per global trends. This section covers the hazards relevant to Indian Railways listed below:

- 1) Train Accidents
- 2) Cyclone and Wind
- 3) Floods
- 4) Seismic
- 5) Tsunami
- 6) Landslides and Snow Avalanches

3.2 Understanding Disaster Risk, Investing, capacity development and Mitigation

Planning framework for Disaster Risk Reduction under the above five thematic areas mentioned in para 3.1 for all the six hazards mentioned in para 3.1.6 has been detailed in section 3.1.7 of Railway Board Disaster Management Plan under the head of Disaster Risk Reduction measures. This has been summarized as follows:

3.2.1 Train Accidents:

1. Collisions
2. Derailments
3. Fire
4. Manned & Unmanned Level Crossing

The “**Responsibility of Zone in Disaster Risk Reduction – Action Framework**” in these Type of Disasters mainly pertains to Implementation of “Board’s Policies & Guidelines” laid down by trials.

3.2.2 Natural Disasters:

1. Cyclone and Wind
2. Floods
3. Seismic
4. Tsunami
5. Landslides and Snow Avalanches

The “**Responsibility of Zone in Disaster Risk Reduction – Action Framework**” in Natural Disasters mainly pertains to:

- i Preparation of Implementation of “Board’s Policies & Guidelines” laid down by the executive departments
- ii Adapting of Norms/ Codes.

- iii Support & Coordination - for collection of warning Data
- iv Preparation of detailed maps identifying vulnerable locations.
- v Coordination with state authorities and disseminate early warning signals to Divisional Authorities.
- vi Implementation of Disaster Management Plans
- vii Training and orientation of all concerned staff.
- viii Preparedness for facing these situations by conducting mock trials.

Railway Board's Disaster Management Plan (Chapter-3 Para 3.2 for Train Accidents & Para 3.3 for Natural Disasters) may be referred for detailed measures of Disaster Risk Reduction. The actionable aspects of the above are elaborated in Chapter - 4& also in specific chapters for disasters.

CHAPTER - 4

PREPAREDNESS AND RESPONSE

4.0 Background:

Response measures are those taken immediately after receiving early warning from the relevant authority or in anticipation of an impending disaster, or immediately after the occurrence of an event without any warning. The primary goal of response to a disaster is saving lives, protecting property, environment, and meeting basic needs of human and other living beings after the disaster. Its focus is on rescuing those affected and those likely to be affected by the disaster. The UNISDR (United Nations International Strategy for Disaster Reduction Now UNDRR United Nations Office for Disaster Risk Reduction) defines response as “the provision of emergency services and public assistance during or immediately after a disaster in order to save lives reduces health impacts, ensure public safety and meet the basic subsistence needs of the people affected.”

Preparedness, as defined by UNISDR, consists of “the knowledge and capacities developed by governments, professional response and recovery organizations, communities and individuals to effectively anticipate, respond to, and recover from, the impacts of likely, imminent or current hazard events or conditions.” Based on the preparedness, the response process begins as soon as it becomes apparent that a disastrous event is imminent and lasts until the disaster is declared to be over. It is conducted during periods of high stress in highly time-constrained situations with limited information and resources. It is considered as the most visible phase amongst various phases of disaster management. Response includes not only those activities that directly address the immediate needs, such as search and rescue, first aid and temporary shelters, but also rapid mobilization of various systems necessary to coordinate and support the efforts. For effective response, all the stakeholders need to have a clear vision about hazards, its consequences, clarity on plans of action and must be well versed with their roles and responsibilities.

Any emergency requires a quick response to save lives, contain the damage and prevent any secondary disasters. In most cases, first responders such as members of Incident Response Teams (IRT) of district, block, or other agencies (medical fire, police, civil supplies, municipalities) manage emergencies immediately at the local level. If an emergency escalates beyond their capabilities, the local administration must seek assistance from the district administration or the State Government. If State Government considers it necessary, it can seek central assistance.

The Cabinet Committee on Security (CCS) deals with issues related to defence of the country, law and order, and internal security, policy matters concerning foreign affairs that have internal or external security implications, and economic and political issues impinging on national security. CCS will be involved in the decision making if the disaster has serious security implications. The National Executive committee (NEC) will coordinate response in the event of any threatening disaster situation or disaster where central assistance is needed. The NEC may give directions to the relevant Ministries/Departments of the Government of India, the State Governments, and the State Authorities regarding measures to be taken by them in response to any specific threatening disaster situation or disaster as per needs of the State.

The NDMA is mandated to deal with all types of disasters; natural or human-induced. The general superintendence, direction and control of the National Disaster Response Force (NDRF) is vested in and will be exercised by the NDMA. The NCMC will deal with major crises that have serious or national ramifications. These include incidents such as those requiring close involvement of the security forces and/or intelligence agencies such as terrorism (counter-insurgency), law and order situations, serial bomb blasts, hijacking, air accidents, CBRN, weapon systems, mine disasters, port and harbour emergencies, forest fires, oilfield fires, and oil spills.

The immediate response in the event of a disaster lies with the local authorities with the support of the State Government. The Union Government supplements their efforts through providing logistic and financial support, deploying NDRF, Armed Forces, Central Armed Police Force (CAPF), and other specialized agencies like in case of CBRN disaster. It will depute experts to assist the State Government in planning and its implementation, during severe natural or human-induced disasters as requested by the State Government.

4.0.1 Institutional Framework

Chapter-2 provided an overview of the institutional arrangements covering all aspects of disaster management. There are specific tasks, roles and responsibilities in the domain of response, which as mentioned before, is the most critical and time-sensitive aspect of disaster management. This section summarizes the function and responsibilities of Ministries and agencies that have a key role to play in disaster response as per current guidelines. The plan will be updated periodically to reflect any changes in the key roles envisaged to particular ministries or agencies.

No single agency or department can handle a disaster situation of any scale alone. Different departments have to work together to manage the disaster with an objective to reduce its impact. Section 37(a) of the DM Act, 2005 mandates that Departments / Ministries of Central Government prepare disaster management plans keeping mitigation, preparedness and response elements into

consideration. Sections 22(2), 24, 30 and 34 of the DM Act, 2005 have clearly laid down various duties relating to DM to be performed by various agencies.

The institutional arrangements for the response system consist of the following elements:

- a) Nodal Central Ministries with disaster-specific responsibilities for national-level coordination of the response and mobilization of all the necessary resources.
- b) Central agencies with disaster-specific responsibilities for Early Warning Systems and alerts.
- c) National Disaster Response Force (NDRF).
- d) State Disaster Response Force (SDRF).

There will be a National Emergency Operations Centre (NEOC) known as NEOC-1 under the MHA and NEOC-2 under the National Disaster Management Authority (NDMA). It will be connected to the following control rooms:

- (i) All agencies designated to provide early warning information about hazard events
- (ii) State Emergency Operations Centre (SEOC)
- (iii) District Emergency Operations Centre (DEOC)
- (iv) NDRF
- (v) Integrated Defence Staff (IDS)
- (vi) MEA
- (vii) CAPFs

4.0.2 National Early Warning System:

4.0.2.1 Central Agencies Designated for Natural Hazard-Specific Early Warnings.

The GOI has designated specific agencies to monitor the onset of different Natural Disasters, set up adequate Early Warning Systems (EWS), and disseminate necessary warnings/ alerts regarding any impending hazard, for all those hazards where early warning and monitoring is possible with the currently available technologies and methods. These agencies provide inputs to the MHA, which will issue alerts and warnings through various communication channels. The agencies responsible for EWS will maintain equipment in proper functioning order and conduct simulation drills to test their efficacy.

The details of Central Agencies Designated for Natural Hazard-Specific Early Warnings are detailed below:

SN	Hazard	Agencies
1.	Avalanches	Snow and Avalanche Study Establishment (SASE)
2.	Cyclone	India Meteorological Department (IMD)
3.	Drought	Ministry of Agriculture and Farmers Welfare (MoAFW)
4.	Earthquake	India Meteorological Department (IMD)
5.	Epidemics	Ministry of Health and Family Welfare (MoHFW)
6.	Floods	Central Water Commission (CWC)
7.	Landslides	Geological Survey of India (GSI)
8.	Tsunami	India National Centre for Oceanic Information Services (INCOIS)

On their part, the relevant State Government and district administration shall disseminate such alerts and warnings on the ground through all possible methods of communications and public announcements.

4.0.2.2 Role of Central Agencies/ Departments

The National Emergency Operations Centre (NEOC) will act as the communication and coordination hub during this phase and it will maintain constant touch with early warning agencies for updated inputs. It will inform the State Emergency Operations Centre (SEOC) and District Emergency Operations Centre (DEOC) through all the available communication channels and mechanisms. The DM Division of the MHA will communicate and coordinate with designated early warning agencies, various nodal Ministries, and State Governments. It will mobilize reinforcements from the NDRF, Armed Forces and the CAPFs and put together transportation plans for moving resources. The NDMA will support the overall coordination of response as per needs of MHA. The NDMA will be providing general guidance, and take decisions for the deployment of the NDRF. The NDRF will be deployed as required depending on the request from the State Government. They will keep the force in operational readiness at all times.

4.0.3 Coordination of Response at National Level

At the national level, the Central Government has assigned nodal responsibilities to specific Ministries for coordinating disaster-specific responses. As described in Chapter-1, the NEC will coordinate response in the event of any threatening disaster situation or disaster. The State Government will activate the IRTs at State, District, or block level and ensure coordination with the SEOC. The SDMA will provide the technical support needed to strengthen the response system.

It is essential that the first responders and relief reach the affected areas in the shortest possible time. Often, there are inordinate delays due to real constraints imposed by the location, nature of disaster and, most regrettably, due to inadequate preparedness. In many situations, even a delay of six to twelve hours will prove to be too late or unacceptable. To make matters worse, relief tends to arrive in a highly fragmented or uncoordinated form with multiple organizations acting independently of each other without a cohesive plan, without mechanisms to avoid overlaps and without proper prioritization of different aspects of relief such as shelter, clothing, food, or medicine. From an operational perspective, the challenges are similar across most hazards. The NDMA has formulated IRS Guidelines for the effective, efficient, and comprehensive management of disasters. The implementation of NDMA's IRS Guidelines by the States will help in standardisation of operations, bring clarity to the roles of various departments and other agencies, which are common to most disaster response situations.

The details of Central Ministries for Coordination of Response at National level are tabulated below:

SN	Disaster	Nodal Ministry/ Department
1.	Accident - Air (Civil Aviation)	Min. of Civil Aviation (MOCA)
2.	Accidents - Rail	Min. of Railways (MOR)
3.	Accidents - Road	Min. of Road Transport and Highways (MORTH)
4.	Avalanche	Min. of Defence (MOD) - Border Road Organization (BRO)
5.	Biological Emergencies	Min. of Health and Family Welfare (MHFW)
6.	Cold-Wave	Min. of Agriculture and Farmers Welfare (MAFW)
7.	Cyclone/ Tornado	Min. of Earth Sciences (MOES)
8.	Drought	Min. of Agriculture and Farmers Welfare (MAFW)
9.	Earthquake	Min. of Earth Sciences (MOES)
10.	Flood	Min. of Jal Shakti (MOJS)
11.	Floods - Urban	Min. of Housing and Urban Affairs (MHUA)
12.	Forest Fire	Min. of Environment, Forests, and Climate Change (MEFCC)
13.	Frost	Min. of Agriculture and Farmers Welfare (MAFW)
14.	Hailstorm	Min. of Agriculture and Farmers Welfare (MAFW)
15.	Industrial and Chemical	Min. of Environment, Forests and Climate Change (MEFCC)
16.	Landslides	Min. of Mines (MOM)
17.	Nuclear and Radiological	Dept. of Atomic Energy (DAE)
18.	Oil Spills	Min. of Defence (MOD) - Indian Coast Guard (ICG)
19.	Pest Attack	Min. of Agriculture and Farmers Welfare (MAFW)
20.	Tsunami	Min. of Earth Sciences (MOES)

The state and district administration shall identify sites for establishment of various facilities as mentioned in the IRS guidelines such as Incident Command Post, relief camp, base, staging area, camp, and helipad, for providing various services during the response. The state and local administration must widely disseminate and publicize information about these arrangements as mandated in the SDMP and DDMP. Since disaster response operations are multifaceted, time sensitive, extremely fast-moving, and mostly unpredictable, it requires rapid assessment, close coordination among several departments, quick decision-making, fast deployment of human resources and machinery as well as close monitoring. In order to prevent delays and to eliminate ambiguities with regard to chain of command, the SDMP and DDMP must clearly spell out the response organization as per IRS. These plans must clearly identify the personnel to be deputed for various responsibilities in the IRT at various levels of administration along with proper responsibility and accountability framework. Provision for implementation of unified command in case of involvement of multiple agencies such as Army, NDRF, CAPF, and International Urban Teams Search and Rescue must be spelt out in the SDMP. From time to time, the DM plan must be tested and rehearsed by carrying out mock exercises.

4.0.4 Fire and Emergency Services (FES):

The primary role of Fire and Emergency Service (FES) is of responding to fire incidents. However, besides fire-fighting, FES attends to other emergencies such as building collapse, road traffic accidents, human and animal rescue, and several other emergency calls. FES also takes part in medical emergencies. The role of FES has become multi-dimensional. The role of FES extends to the domain of prevention, especially in urban areas. FES is an integral part of the group of agencies responding to disaster situations. FES is one of the first responders during the Golden Hour after a disaster and plays a vital role in saving lives and property. Therefore, it is imperative to adequately equip and develop the capacities of FES. Further, continuous training should also be provided to the fire staff in using and maintaining the equipment.

Fire and Emergency Service is a key element in the emergency response system. It comes under the 12th schedule of the Constitution dealing with municipal functions. At present, States, UTs, and ULBs are managing the FES. The MHA and NDMA will render technical advice to the States, UTs, and Central Ministries on fire protection, prevention, and related legislation. While in several States, FES is under the jurisdiction of Municipal Corporations, in others it is under the respective Home Department. Only a few States have enacted their own Fire Act. As on today, there is no standardization with regard to the scaling of equipment, the type of equipment, or the training of their staff. In each State it has grown according to the initiatives taken by the States and the funds provided for the FES. The Government of India has taken many initiatives to strengthen the techno-legal regime for fire safety. Apart from initiating major legal changes, the Government is also reviewing many laws that have to be amended. The Government of India has also taken steps for institutional reforms and organizational restructuring of FES. However, it

is the responsibility of the State Governments to implement the major changes for the modernization of the FES to make them more effective.

4.0.5 Responding to Requests for Central Assistance from States:

Catastrophic disasters like earthquakes, floods, cyclones and tsunami result in a large number of casualties and inflict tremendous damage on property and infrastructure. The Government of India has established a flexible response mechanism for a prompt and effective delivery of essential services as well as resources to assist a State Government or Union Territory severely hit by a disaster. Disaster management is considered as the responsibility of the State Governments, and hence the primary responsibility for undertaking rescue, relief and rehabilitation measures during a disaster lies with the State Governments. The Central Government supplements their efforts through logistic and financial support during severe disasters as requested by the State Governments. Responding to such emergencies stretches the resources of district and State administration to the utmost and they may require and seek the assistance of Central Ministries/Departments and agencies like the NDRF, Armed Forces, CAPF, and Specialized Ministries/ Agencies.

4.0.6 Management of Disasters impacting more than one State:

At times, the impact of disasters occurring in one State may spread over to the areas of other States. Similarly, preventive measures in respect of certain disasters, such as floods, etc. may be required to be taken in one State, as the impact of their occurrence may affect another. The administrative hierarchy of the Country is organized into National, State and District level Administrations. This presents challenges in respect of disasters impacting more than one State. Management of such situations calls for a coordinated approach, which can respond to a range of issues quite different from those that normally present themselves – before, during and after the event. The NCMC (National Crisis Management Committee) will play a major role in handling such multi-state disasters. The NDMA will encourage identification of such situations and promote the establishment of mechanisms for coordinated strategies for dealing with them by the States and Central Ministries, departments and other relevant agencies.

4.0.7 Major Tasks and the Responsibilities - Centre and State:

While there are disaster-specific aspects to the post-disaster response, the emergency functions are broadly common to all disasters and there are specific ministries, departments, or agencies that can provide that emergency response. Besides, very often, there are multiple hazards and secondary disasters that follow a major disaster. Hence, response intrinsically follows a multi-hazard approach. Therefore, all the response activities have been summarized in a single matrix applicable to all types of disasters. The response responsibility matrix specifies the major theme of response. It specifies the agencies from the Central and State Government responsible for the major theme of response. All agencies responsible for response should follow the NDMA's IRS

guidelines, which will help in ensuring proper accountability and division of responsibilities. Different ministries and departments have to provide specialized emergency support to the response effort. Certain agencies of the Central Government will play a lead role, while others will be in a supporting role. The SDMA, CoR, or the Dept. of Revenue is the nodal agency at the state level for coordination of response. The DDMA is the nodal agency for coordination of response at District level. Various central ministries, departments, agencies, and state governments have to prepare their own hazard specific response plans as per guidelines of the NDMA and in line with the NDMP. They need to ensure preparedness for response at all times and must carry out regular mock drills and conduct tests of readiness periodically, and the ministries/ departments must report the status to the NDMA. The major tasks of response given in the responsibility matrix is:

1. Early Warning, Maps, Satellite inputs, Information Dissemination
2. Evacuation of People and Animals
3. Search and Rescue of People and Animals
4. Medical care
5. Drinking Water / Dewatering Pumps / Sanitation Facilities / Public Health
6. Food & Essential Supplies
7. Communication
8. Housing and Temporary Shelters
9. Power
10. Fuel
11. Transportation
12. Relief Logistics and Supply Chain Management
13. Disposal of animal carcasses
14. Fodder for livestock in scarcity-hit areas
15. Rehabilitation and Ensuring Safety of Livestock and other Animals, Veterinary Care
16. Data Collection and Management
17. Relief Employment
18. Media Relations

4.0.8 Responsibility Matrix for Preparedness and Response

Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
1.	Early Warning, Maps, Satellite inputs, Information Dissemination	Lead Agencies: IMD, CWC, INCOIS, SASE, GSI, BRO, MoIB, MoES, MoWR, MoAFW, Support Agencies: Sol, NRSC, DoT, MHA, NDMA, MoCIT, hazard specific nodal ministries	• Issue forecasts, alerts, warnings • Provide early warnings (where ever possible) to reduce loss of life and property. • Disseminating warnings and information to all Central Ministries/ Departments/Agencies and State Government • Use of satellite imageries and other scientific methods for risk assessment and forecasting	State/UT, SDMA, Revenue Dept., CoR, SEOC, DDMA, all other relevant Department/ Agencies	• To disseminate early warning signals to the district administration, local authorities, and the public at large in the areas likely to be affected by a disaster so as to reduce loss of life and property • Dissemination of warnings and information up to the last mile • Ensure appropriate compilation/analysis of received data • Use of satellite imageries and other scientific methods for risk assessment and forecasting	CE Directorate - Coordination with the Ministries and Railway Zones.	Engineering Department – To Coordinate with state Authorities and to disseminate early warning signals to Divisional Authorities.	Engineering Department- To Coordinate with Local Authorities and to disseminate early warning signals/ Information to last mile.

Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
2.	Evacuation of People and Animals	Lead Agency: MHA Support Agencies: MoD, CAPF, MoRTH, MoR, MoCA, ministries/depts. with hazard specific responsibilities, NDRF, Civil Defence	- On request, support the affected state government in evacuation of people and animals from areas likely to be affected by major disaster. <u>Special situations:</u> - Evacuation of large numbers of people from far flung areas and islands (e.g., Andaman and Nicobar Islands, Lakshadweep Islands, etc. in cases of cyclone) - Evacuation of visitors/ pilgrims stranded in remote Himalayan regions on account of inclement weather, landslides, flash floods & avalanches	State/UT, SDMA, Revenue Dept., CoR, SEOC, FES, DDMA, all other relevant Departments /Agencies, SDRF, Civil Defence	- Quick assessment of evacuation needs such as the number of people and animals to be evacuated and mode of evacuation - Mobilize transport and resources for evacuation - Identify and prepare sites for temporary relocation of affected people and animals - Identify requirements of resources for evacuation such as helicopters, aircrafts, high-speed boats and ships to be provided to the affected state government. - Request for central resources, if needed - Coordinate with central agencies to mobilise required resources	TT Directorate - Coordination with the Ministries and Railway Zones	Operating Department - Coordinate with RB and State Authorities	Operating Department - Coordinate with HQs and Local Authorities

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			• Evacuation of fishermen from the high seas in case of a cyclone		• Monitor the situation Earmark resources/ units/ battalions of SDRF for quick deployment • Prepare handbook/manuals and SOP for evacuation of people and animals • Undertake review and revise DMPs and SOPs after each major incident • Prepare evacuation plan taking into account local conditions and periodically update it • Undertake mock/simulation drills • Prepare operational checklists • Prepare list of agencies/ organizations who could assist in evacuation • Web-based resource inventory and its regular updates				

Preparedness and Response								
S. No	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
3.	Search and Rescue of People and Animals	Lead Agencies: MHA, NDMA, NDRF Support Agencies: MoD, CAPF, MoHFW, MHA, MoRTH, MoCA, MoR, ministries/ departments with hazard specific responsibilities, Civil	- Fail safe communication between early warning agencies and EOC of Central and State/ District, Central Min. - Adequate NDRF support in a state of readiness to move at a short notice - MoU with suppliers for blankets, tarpaulins, tents, boats, inflatable lights, torches, ropes, etc. with a condition that they will be supplied at short notice (usually within 24hours) from the placement of	State/UT, SDMA, Revenue Dept., CoR, SEOC, SDRF, FES, DDMA, all other relevant Departments /Agencies, Civil Defence	- Various positions of IRTs (State, District, Sub-division & Tehsil) are trained and active for response at their respective administrative jurisdiction - SDRF teams are trained, equipped & ready to move at a short notice. - Strategic stationing of state-of-the-art equipment for search rescue& response with dedicated trained manpower - MoU with suppliers for blankets, tarpaulins, tents, boats, inflatable lights, torches, ropes,	Safety Directorate - Coordination with NDRF/ NDMA Mechanical directorate - Policy/ Planning of rescue centric equipment and training of staff. Establishment – Developing and conducting training	Safety Department – Coordination with NDRF/ SDRF Mechanical Department – Upgrading/ Maintenance of ARTs/ ARMVs /SPARTs rescue equipment, training of ART/ARMV/ SPARTs staff in rescue	Safety Department - Coordination with NDRF/SDRF Mechanical Department - Rescue of passengers, Maintenance of ARTs/ARMVs/ SPARTs rescue equipment and training of ART/ARMV/ SPARTs staff in rescue operations. Personnel Department -

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		Defence	order • SOPs for sending rescue/ relief material from other adjoining States to the affected state immediately • Support of Armed Forces and CAPF as per requirement		etc. with a condition that they will be supplied quickly (usually within 24 hours) • Nodal officer selected for coordination is in touch with MHA/NDMA for additional requirements	modules.	operations. Personnel Department – Organising and monitoring rescue centric training to ART/ARMV/ SPART staff.	Organising and monitoring rescue centric training to ART/ARMV/ SPARTs staff.

DISASTER MANAGEMENT PLAN

Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
4.	Medical Care	Lead Agencies: MoHFW Support Agencies: MoD, CAPF, MoR	- Medical assistance to the affected state in response to its request for post disaster emergency medical care. - Mobile Field Hospitals similar to the military field units that have trauma-care for the disaster-affected and serve as a temporary substitute for the collapsed local general medical and surgical facilities in the disaster zone. - Gradual improvement of the field hospital to conform to global standards. - Mobile medical care units with OT facility, power sources, dedicated trained staff of doctors, and paramedics who could be immediately summoned at the time of emergency	State/UT, SDMA, Revenue Dept., CoR, SEOC, SDRF, FES, DDMA, Health Dept., all other relevant departments, Civil Defence	- Health & Family Welfare Dept. works with the logistic section of the state. - IRT to provide effective services (Medical Unit) to the field level IRTs for response. - District repository of hospitals (both Government and Private), availability of beds, doctors, paramedics & other trained staff available along with other infrastructure details & update it on a regular basis Include the hospital wise information in the DM Plans at local levels - Tie-up with the companies for easy availability of common medicines during the emergency situations - Hygienic conditions	Health Directorate – Policy/ Planning of medical equipment in ARMVs and Hospital for trauma care in disasters, Coordination with MOHFW, Monitoring of hospital Disaster Management plans and training of staff. Establishment Directorate - Establishment - Developing and organising training modules for Doctors and Paramedics	Medical Department - Upkeep of Hospitals and ARMVs, Implementation of Hospital disaster Management plans and training of Doctors and paramedics. Personnel Department- Organising training modules for Doctors and Paramedics in Trauma Care.	Medical Department - Rescue and relief of effected passengers, Upkeep of Hospitals and ARMVs, Preparation and Implementation of Hospital disaster Management plans and training of Doctors and paramedics. Personnel Department - Organising training modules for Doctors and Paramedics in Trauma Care.

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			• Mobile medical support units stocked with medicines usually needed such as those for BP, diabetics, heart problems, common ailments, etc. as well as provisions such as: bleaching powder, chlorine tablets; nutritional supplements catering to specialized groups such as lactating mothers, elders, and children below 6. • Timely technical support to the State Governments for restoration of damaged hospitals as well as infrastructure • Ensure strict compliance with minimum standards of relief as per Section 12 of DM Act 2005	are prevalent at all times in various facilities established as well as hospitals to curb the spread of diseases • Establishment of sound protocols for coordination between state's health Dept. and the central agencies • Ensure strict compliance with minimum standards of relief as per Section 12 of DM Act 2005.	in Trauma Care.			

Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
5.	Food and essential supplies	Lead Agencies: MoCAFPD, MoFPI Supporting Agencies: MoRTH, MoCA, MoR, MoSJE, MHA, FCI	- Ensure availability of adequate and appropriate food supplies to the disaster affected areas - Immediate availability of ready-to-eat/precooked food/meals - Deploying transport with essential supplies at strategic locations - MoU with suppliers to provide required quantities of family packs of essential food provisions - Special provisions to address the needs of infants/small children (baby food) - FCI godowns are able to supply required food grains as per requirement of disaster-affected areas.	State/UT, SDMA, Revenue Dept., CoR, SEOC, DDMA, Food and Civil. Supply Dept., all other relevant Departments, Civil Defence	- Dept. of Food & Civil Supply works with the logistic section of the state level IRT to provide effective services to the field level IRTs for response - Agreements/MoUs with trusts, firms & organisations setting up community kitchens in the affected areas - Depending upon the requirement, coordinate with the relevant Central Ministry to make sure that supplies reach the site on time. Deploy a dedicated team at the local level to receive the supplies, maintain log, and distribute them at required locations - Food godowns have sufficient food materials and not situated at vulnerable locations	TC Coordination with Zonal Railways and issue policy guidelines. TT Directorate - Coordination with the Ministries and Railway Zones.	Commercial department – Coordinate with Divisional authorities. Operating Department – Coordinate with HQs and Local Authorities for movement of supplies.	Commercial department – Arrangement of food and water to the passengers. Operating Department – Coordinate with HQs and Local Authorities for movement of supplies.

Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
6.	Communication	Lead Agencies: MoCIT, DoT Support Agencies: MoR, MoCA, MoD, Telecom Providers	- Detailed plans for fail safe communication with all the early warning agencies (such as IMD, CWC, etc.) and Control Rooms (Central/State) for getting accurate information at regular intervals. - Restoration of emergency Communication in disaster affected areas - Emergency response teams to be in place with detailed technical plans to restore Communication after the occurrence of a disaster - Provide a dedicated radio frequency for disaster communications	State/UT , SDMA, Revenue Dept., COR, SEOC, DDMA, Information Dept., all other relevant departments	- Failsafe communication plan is prepared with all early warning agencies - Logistic section of the state level IRT coordinates with central agencies to provide effective communication support to the field level IRTs for response. - State and district EOCs are equipped with satellite phones/ VHF/ HF as a backup to the landline. All communication equipment, especially the satellite phones are in good working condition 24 X 7 on all days through regular testing.	Telecommunication Directorate – Coordination with Zonal Railways and Policy guidelines effective communication at disaster site.	Signalling & Telecommunication department – coordination with division and implementation of RB policy guidelines.	Signalling & Telecommunication department - Provide effective communication, Provide and maintain communication equipment in ARTs/ARMVs

Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
7.	Transportation	Lead Agencies: MoRTH, MoR, MoCA Support Agencies: MHA, MoD, NHAI, IWAI, NDRF, MoHFW	- Adequately address the post-disaster transportation needs to ensure that the emergency response and recovery efforts are carried out in a timely manner; restore the public transport; resumption of the movement of essential goods. - Pool heavy-duty earth moving machineries, tree cutters, fork lifters and other required equipment either at strategic locations or centralized. Quick deployment of resources and equipment for quick repairs/restoration of	State/UT, SDMA, Revenue Dept., CoR, SEOC, DDMA, Transport Dept., Forest/ Environment Dept., PWD, Railways, Airport officer, all other relevant departments	- Requirement of transport for the sending the relief material, responders are arranged - Need of the transport of various activated section of the IRT as per Incident Action Plan is fulfilled - Indian Railway works with the logistic section of the state level IRT to provide effective services (Ground Support Unit) Restoration of railway tracks and functioning of railway at the earliest - Coordinate with	TT Directorate - Coordination with Railway Zone for quick restoration of train services and planning for relief trains for stranded passengers.	Operating Department – Coordinate with RB for regulation/diversion and cancellation of trains, coordinate with division for quick restoration of train services and planning for relief trains for stranded passengers.	Operating Department – Movement of relief trains to Disaster site quickly, Coordinate with HQs for regulation/diversion and cancellation of trains.

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			rescue and relief teams with their supplies. • Operational plans are in place to transport heavy machinery (like dewatering pumps, boats, etc.) through roads in close coordination with the relevant Ministries. • Operational plans are in place for quick restoration or train services, providing additional railway wagons, containers and passenger coaches for movement of relief supplies/rescue equipment and personnel and shifting affected population to safer places/shifting stranded passengers in consultation with the State Government. Availability of diesel locomotives and loco pilots in disaster affected areas where		Central Govt. for transportation of relief materials • Within and near Airports: AAI works with the logistic section of the state level IRT to provide effective services (Ground Support Unit) and also provide Nodal Officer for coordination of the relief operations • Restoration of Airport at the earliest involving specialised response force of the central government • Coordination with state and district administration to provide air support • Cater to the needs of transporting affected people if required.				

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			power is disrupted/shut as a preventive measure; maintain a live roster of such emergency support systems which can be mobilized at very short notice by periodic review of readiness. • Establishment of an emergency services group within the railways with staff having experience of working in disaster situations. • Contingency plan is in place to deploy rail coaches as makeshift shelters if required. Activation of railway hospitals/ mobile rail ambulances to shift/ treat injured patients in consultation with the Health Ministry. • Easy availability of heavy						

DISASTER MANAGEMENT PLAN

			equipment available with the Railways for search and rescue. • Plan is in place for quick restoration of the airport runway and restoration of air traffic for facilitation of transport or relief teams/supply/ equipment, stranded passengers, etc. • Control room gets activated for smooth coordination in receiving and dispatching resources and equipment in close coordination with the State Government. Availability of trained manpower for making night landing during emergencies. • Availability of Air Ambulances at strategic locations with trained manpower and equipment in close coordination with the Health Dept.						

Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
8.	Relief Logistics and Supply Chain Management	Lead Agencies: MHA, ministries with hazard specific responsibilities, NDMA Support Agencies: MoD, MoR, MoRTH, MoCA,	- Coordinate transportation (air, rail, road, water) for other Central ministries/ departments/ agencies - Locate, procure and issue resources to Central agencies involved in disaster response, and supply to the affected state	State/UT, SDMA, Revenue Dept., CoR, SEOC, DDMA, all other relevant department/ Agencies	- Establish mobilization centre at the airport/railway station for the movement of relief supplies within the state - Deploy special transport mechanism for the movement of relief supplies within the state - Make arrangements to receive and distribute relief and emergency supplies received from	TT Directorate - Coordination with the Ministries and Railway Zones	Operating Department – Coordinate with RB and State Authorities	Operating Department - Coordinate with HQs and Local Authorities

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		MoCAFP D, MoFPI, MoAFW			different parts of the country Coordinate transportation (air, rail, road, water) with Central Ministries/depts./ agencies • Arrange alternative means of transportation to send relief supplies to the affected locations if normal transport cannot reach.			

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Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
9.	Rehabilitation and Ensuring Safety of Livestock and Other Animals, Veterinary Care	Lead Agency: MoAFW, DoAHDF Support Agencies: MoRTH, MoR	- Support the setting up of livestock camps/ shelters for animals in distress due to disasters, including drought - Provide assistance for care of animals in the camps/ shelters - Assist State/UT in the proper management, and running of livestock camps/ shelters - Assist in proper rehabilitation of animals - Supplement the needs of State/UT to provide veterinary care to disaster affected livestock, including drought-hit areas	State/UT, SDMA, Revenue Dept., CoR, SEOC, DDMA, Forest/ Environment Dept., Agriculture Dept., AHD, Animal Welfare Organizations	- Include provisions for evacuation, safety, and rehabilitation of animals in SDMP - Set up of livestock camps/ shelters for animals in distress due to disasters, including drought - Organize proper care of animals in the camps/ shelters - Ensure proper management and running of livestock camps/ shelters Proper rehabilitation of animals - Provide veterinary care to disaster affected livestock, including in drought areas	TT Directorate - Coordination with other Ministries and Railway Zones.	Operating Department - Coordinate with RB and State Authorities	Operating Department - Coordinate with HQs and Local Authorities

Preparedness and Response								
S. No.	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
10.	Data Collection and Management	Lead Agencies: MHA, NDMA Support Agencies: NIDM, MoIB, MoCIT, MoST, MoES, MoWR, MoEFCC, ministries/ departments with hazard specific responsibilities	- Maintain proper records of all the essential services needed for rescue, response and relief phases, both by the State Governments and by the Central Ministries/ Departments - Establish a sound reporting mechanism to meet the information needs of both Central and State Governments about the disaster response	State/UT, Revenue Dept./ SEOC/ CoR, SDMA, DDMA, Bureau of Economics and Statistics, all other relevant Departments	- Representatives of SDMA work with the planning section at state level for making of IAP and dissemination of information. - Creation of a cell at the District level (preferably as part of DEOC) and place dedicated resources to collect/ update data on all essential services (as per the template given in the IRS guidelines) which will help during the response phase for effective reporting and compilation.	Safety Directorate - Coordination with Mechanical and TT directorate - for maintaining record of Accidents and essential services needed for rescue, response and relief.	Safety Department - Coordination with Mechanical and Operating Department - for maintaining record of Accidents and essential services needed for rescue, response and relief.	Safety Department - Coordination with Mechanical and Operating Department - for maintaining record of Accidents and essential services needed for rescue, response and relief.

Preparedness and Response								
S. No	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
11.	Media Relations	Lead Agencies: MoIB, MHA, NDMA Support Agencies: MoCIT, MoST, MoES, MoWR, MoEFCC, ministries/ departments with hazard	- Collect, process and disseminate information about an actual or potential disaster situation to all stakeholders so as to facilitate response and relief operations; update information on disaster and disaster victims; maintain contacts with mass media; inform public regarding the impact of disaster and the measures taken for the welfare of the affected people - Ethical guidelines for disaster coverage by media as per accepted global standards respecting dignity and privacy of the affected	State/UT, SDMA, Revenue Dept., CoR, SEOC, DDMA, Information Dept., all other relevant Department s	- Dept. of Information and Public Relations works with the Command staff as Information and media officer of the state level IRT to provide effective services - Ethical guidelines for coverage of disaster is prepared and shared with all media	Director Public Relations (DPR) and Director Information and publicity (DIP) – for information to the representative of the media.	Chief Public Relation Officer (PRO) -for information to the representative of the media.	Public Relation Officer (PRO) -for information to the representative of the media.

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		specific responsibilities	communities and individuals and work with media to adopt the guidelines through self- regulation as well as oversight by relevant regulatory institutions • Mechanisms for broadcasting warnings, do's and don'ts etc. to media and public before, during and after the disasters. • Proper schedule for media briefing(once/twice/thrice daily depending on the severity of the disaster) and designate a nodal officer for interacting with media on behalf of the Government.		agencies • Plan is prepared for providing/ broadcasting warnings, do's and don'ts etc. to media and ensure its dissemination				

Preparedness and Response								
S. No	Major Theme	Central/State Agencies and their Responsibilities						
		Centre	Responsibility Centre	State	Responsibility-State	R.B.	Zonal HQ	Divisional HQ
12.	Fodder for livestock in scarcity-hit areas	Lead Agency: MoAFW, DoAHDF Support Agencies: MoRTH, MoR	- When required, mobilize fodder and cattle feed to meet shortages, as in drought or scarcity conditions - Transport fodder from storage facilities or distant areas to the scarcity hit areas - Organize fodder resource and mobilization centres - Enlist PSUs and private agencies for	State/UT, SDMA, Revenue Dept., CoR, SEOC, DDMA, Forest/ Environment Dept., Agriculture Dept., AHD, Animal Welfare Organizations	- Mobilize fodder and cattle feed to meet shortages, as in drought or scarcity conditions - Transport fodder from storage facilities or collection centres to the scarcity-hit areas - Organize collection centres for fodder and cattle feed	Traffic Commercial dte - Coordination with Zonal Railways and issue policy guidelines. TT Directorate - Coordination with the Ministries and Railway Zones for movement of supplies.	Commercial department - Coordinate with Divisional authorities. Operating Department – Coordinate with RB and State Authorities for movement of supplies.	Commercial department - Arrangement of food and water to the passengers. Operating Department – Coordinate with HQs and Local Authorities for movement of supplies.

Preparedness and Response								
S. No	Major Theme	Central/State Agencies and their Responsibilities						
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13.	Fuel	Lead Agencies: MoPNG Support Agencies: MoD, MoR, MoRTH, MoCA	- Petrol pumps are functional and adequate petrol, oil and diesel are available to Government for relief, rescue and general public - Adequate supply of petrol, diesel, kerosene and LPG Gas in the affected areas in close coordination with the State Government for general public as well as emergency responders/equipment - Quick mobilization of fuel in hilly areas to avoid delays caused by complex supply chain to such areas	State/UT, SDMA, Revenue Dept., CoR, SEOC, DDMA, Civil Supply Dept., all other relevant Departments	- Logistic section of the state level IRT to coordinate with the relevant departments/agencies to provide effective services (Ground Support Unit) to the field level IRTs for response - Assess and indicate clear requirement of fuel to the Central Ministry and coordinate the delivery of fuel through local arrangements. - Ensure sufficient availability of tankers/other vehicles for local transportation through the relevant Dept. - Establish mechanism for stocking the fuel at strategic locations with relevant agencies.	Traffic Commercial dte - Coordination with Zonal Railways and issue policy guidelines. TT Directorate - Coordination with the Ministries and Railway Zones for movement of supplies.	Electrical/Mechanical department Coordinate with Divisional authorities. Operating Department – Coordinate with RB and State Authorities for movement of supplies.	Electrical/Mechanical department. Arrangement of Fuel. Operating Department – Coordinate with HQs and Local Authorities for movement of supplies.

4.1 DISASTER PREPAREDNESS- RESOURCES:

The primary responsibility of disaster management rests with the divisions and they should be in full preparedness for effective management of disasters.

Railways are generally self-reliant in carrying out rescue and relief operations as a result of having a well-organized set up including ARMEs and ARTs & SPARTs/SPARMEs. However, major accidents involving heavy casualties in remote areas or in difficult terrain or under adverse weather conditions are possible to be managed efficiently only by mobilizing non-railway resources. Disaster Management mechanisms in Railways can be maintained at a high level of preparedness and efficiency by keeping all resources readily available and in good fettle.

- 4.1.1 **Resources:** Resources imply both railway and non-railway men and material including medical, personnel, transport, volunteers, police and fire services. Details of these resources, their location, contact numbers and other details have been identified, compiled and placed in a 'Data Bank'. This Data Bank is available in the Zonal DM Plan and mainly in the divisional DM Plans of Mumbai Central, Vadodara, Ahmedabad, Ratlam, Rajkot and Bhavnagar Divisions respectively. These are also being put on WR's Web Site (www.wr.railnet.gov.in) for ready access. Further, Western Railway Zonal as well as all Divisional Disaster Management plans have also been uploaded on the Safety Information Management System site of the Railway Board.

Resources available in case of a major accident may be grouped into 4 different units, depending on the time frame within which these can be made available after an accident. These are as follows:

1.	Resource Unit I –	Railway and non-railway resources available on the train and at nearby surroundings.
2.	Resource Unit II –	Railway resources available at ARME/ART/SPARTs/SPARMEs depots and elsewhere within the division.
3.	Resource Unit III –	Railway resources available at ARME/ART/SPARTs/SPARMEs depots and elsewhere on adjoining Zones and Divisions.
4.	Resource Unit IV–	Non-railway resources available within or Outside the division.

4.1.2 Resource Unit – I:

(a) **On trains carrying Passengers following resources are available:**

- (i) First Aid Box available with the Train Manager.
- (ii) First Aid Box available with Train Superintendent and in the Pantry Car as per the laid down norms.
- (iii) Fire Extinguishers in Brake Van, AC/ Sleeper coaches, & Pantry cars.

- (iv) Walkie-Talkie/ CUG mobile phones with Train Manager and Loco Pilot.
- (v) Cell Phones/Mobile communications with Passengers.
- (vi) Information collected by Train Superintendent/Travelling Ticket Examiner about Medical Practitioners travelling on the train.
- (vii) Information collected by TS/TTE about Railway Officers travelling on the train.
- (viii) Railway Staff travelling on the train- either on duty (TTEs, Train Manager, Loco Pilot, Assistant Loco Pilot, RPF, C&W, Electrical etc. and others) or on leave as passengers.
- (ix) Passengers travelling on the train who volunteer their help for rescue and relief work.
- (x) Stretcher in Brake Van.

(b) Non-railway resources available nearby:

- (i) Volunteers from nearby villages and towns.
- (ii) Transport facilities available at site or passing through nearby LC Gates.
- (iii) Tractors with trolleys from nearby villages both for transport purposes and for lighting up the accident site.
- (iv) Station staff and local railway administration should requisition help from non-railway sources before railways own rescue team arrives.
- (v) NGOs working in that area.
- (vi) Private doctors, hospitals, clinics, PMC's in the vicinity
- (vii) Police and other agencies of state Governments
- (viii) Army or paramilitary establishments nearby
- (ix) Coolies and vendors of nearby stations
- (x) Such local networks are most effective in rushing assistance immediately, especially with regard to:
 - Medical succour,
 - Additional manpower,
 - Rescue equipment,
 - Lighting arrangements,
 - Transport services,
 - Firefighting tools etc.

(c) Railway resources available nearby:

- (i) Engineering gangs.
- (ii) OHE staff and signal staff available.
- (iii) Other resources such as medical facilities, communication facilities.

(d) At adjoining Stations:

- (i) Staff available at adjoining or nearby stations.
- (ii) Railway resources as given in respective Divisional DM Plans.
- (iii) Non-railway resources as given in respective Divisional DM Plans.
- (iv) Resources should be mobilized to send medical team at short notice as given in the respective Divisional DM Plans.

4.1.3. Resource Unit – II:

- (i) SPARTs/SPARMEs, ARMEs, ARTs with 140T cranes are stabled at nominated stations.
- (ii) Railway medical and departmental resources.

4.1.4 Resource Unit –III:

- (i) SPARTs/SPARMEs, ARMEs, ARTs with 140T crane based on adjoining Zones/Divisions.
- (ii) Resources of men and material available on adjoining Zones/Divisions.

NOTE: Copies of DM Plans of adjoining divisions shall be referred to when required from the SIMS web page or website of individual Zones/Division of WR/ Other Railway as also of other Zonal Railway.

4.1.5 Resource Unit –IV:

- (i) Non-railway resources available within the division - as given in the data book and included in the Divisional DM Plan.
- (ii) Non-railway resources available outside the division - as given in the data bank and included in the Divisional DM Plans of adjoining Zones/Divisions.

4.2 DISASTER PREPAREDNESS: DIFFERENT DEPARTMENTS

Natural disasters in general like floods, cyclones can be forecast whereas other natural disasters like earthquakes, landslides are difficult in nature to forecast. But preparedness for floods & cyclones will help in tackling situations for other natural disasters also.

4.2.1 Engineering Department:

- Shall identify Risk zones prone for natural disasters like floods, cyclones or earthquakes with the help of meteorological department.
- Shall identify and list out detailed inventory of reserve stock to be used in restoration of tracks, bridges like empty bags, sand, stone dust, cinders, ballast, boulders, relieving girders, CC cribs etc. and such material should be kept readily available at nominated depots/ stations/ locations or on wheels as laid down. The material should be at such locations so as to be loaded by rail as well as road. Conditions of material susceptible to degrade should be periodically checked for strength and functionality.
- The action plan for Weather and Cyclone warnings shall be followed according to the Joint Engineering/ Operating Circular No. W.556/1/Vol.V 2007.
- Arrangements for patrolling of vulnerable locations as per the provision in the manuals.

4.2.2 Mechanical Department:

- Shall ensure that ART, ARME/ SPARTs/SPARMEs are equipped with sufficient rescue and re-railing equipment including power packs etc. to handle railway accidents and untoward incidents.

4.2.3 Medical Department:

- Shall ensure that ARME/ SPARTs/SPARMEs are equipped with sufficient rescue relief medicines and equipment and manpower is nominated.
- Shall ensure availability of adequate medicines in first aid box, POMKA's and materials or disinfectants etc. at health units/hospitals near the forecast warned places.
- Shall take enough measures to prevent epidemics in coordination with the engineering department for sanitation and drainage and disinfection.

4.2.4 Electrical Department:

- Shall ensure availability of lighting equipment and stand-by power (generator) at strategic locations.
- Tower wagons with quick mast erection facilities, sufficient spares should be kept ready at Tower wagon shed.

4.2.5 Telecommunication Department:

- Shall ensure proper communication with adequate facilities like wireless communication, satellite phones V-Sat and arrangement for drone recording etc.

4.2.6 Transportation Department:

- Requirement of essential staff and their deployment.
- Ensure movement of relief trains.
- Ensure availability of rolling stock and locomotives for the rescue relief and rehabilitation.
- Ensure all station equipment are in good condition in coordination with respective departments like Generators, Emergency lights, VHF sets, First Aid equipment etc.
- Ensure proper securing of stabled coaches/wagons as per extant instructions with information to control.
- PCOM of the Railway will issue instructions regarding regulation, diversion or cancellation of trains in the warned/affected section with information to CPRO.

4.2.6.1 Ensuring full complements of Brake van equipment:

- (a) At the originating and interchanging points of all passenger carrying trains, it must be ensured that these trains run with full equipment of brake van as prescribed in Working time Table and other special instructions.
- (b) The Officers and Senior Subordinates of the Traffic, Mechanical, S&T, Electrical, and Civil Engineering Departments must examine this equipment regularly and take necessary action to ensure that they are in good working condition.
- (c) The first Aid Box and the stretchers should also be examined for this purpose by the concerned Medical Officers.
- (d) The Train Managers of the passenger carrying trains while taking over the charge of this equipment should also ensure that they are in good working condition.

4.2.7 Commercial Department:

- Shall alert arrangements to open enquiry offices at areas likely to be affected.
- Shall ensure arrangement for food, water and other requirements at vulnerable places.

4.2.8 Security Department:

The Railway Protection Force is the only force under the Ministry of Railway which plays an important role in not only ensuring uninterrupted operations of the railways, but also ensuring the continuous activities of the Railway Administration. Therefore, in case of any kind of disaster related matters relating to the Railway such as- Accident, obstruction, Bomb Blast, Fire or Other Natural Disaster etc., all the personnel of the RPF have to immediately reach the spot and start performing relief work along with other department. Integrated security systems at stations etc. should be used wherever required.

4.2.8.1 Disaster Management Team of RPF:

There should be a Disaster Management Team of RPF on each Division of IR composing about 15men in different ranks. This team shall be specially trained in providing necessary support for disaster management over the Division/neighbouring Division. RPF should play an active role in managing law and order at site.

4.2.8.2 Equipment for RPF:

This Disaster Management team of RPF should have the following equipment available with them:

- i) Torches and other lighting arrangements.
- ii) Nylon ropes and poles for segregating the affected area from unwanted visitors and spectators.
- iii) Loud-hailer for making announcements.
- iv) Stretchers and first aid equipment
- v) Wireless sets for inter-communication.
- vi) Cameras for photographing the scenes.
- vii) Plastic pillars.
- viii) Helmet.
- ix) Luminous Jacket
- x) Video Recording.
- xi) Yellow Plastic Tape

4.2.9 Helicopter Requirements:

Zonal Railways have been delegated powers to requisition helicopter/ airplane for expeditious action in the event of serious accidents vide Railway Board's letter No. 86/Safety-1/24/47 dated 13.03.87 &19.07.89. The subject matter has been reviewed by the Board and the following revised powers are delegated to the Zonal Railways vide Railway Board's letter No No.2002/Safety-1/6/6 dated 13.06.2004 and Railway Board's letter No No.2024/Safety(DM)/6/6 dated 13.06.2024.

The circumstances under which GM exercise these powers, broadly cover the following types of cases:

- (i) Where more than 10 casualties (death-cum-serious injuries) are feared and it is difficult for officials to reach the site within reasonable time.
- (ii) Where heavy damage is caused to Railway installations in sensitive and tension filled areas (e.g. wreckage of track, bridges etc. through bomb blast, other means of sabotage, etc.)
- (iii) Where public reaction in case of late arrival of senior officers at site is likely to be highly adverse.
- (iv) Normally, in case of an accident, only one helicopter should be requisitioned by a Zonal Railway, except when there is a serious passenger train accident involving several casualties when it is essential for both the General Manager and the Divisional Railway Manager to reach the site at once to satisfy the public and the Press. However, for dispatching the rescue teams to the site of the accident, separate helicopter/ airplane may be requisitioned, if so needed.

The GMs may exercise the above powers personally and may not delegate these powers.

- (i) Zonal Railways are further empowered to requisition helicopters/airplanes to evacuate injured and dead in the event of a serious accident. GMs may personally exercise these powers and may not delegate these further.

4.2.10 Details of other hospitals with Railway Hospitals/Health Units

Each Railway Hospital/Hospital Units should similarly maintain a display containing information about other Govt./ Private Hospitals nearby, Govt./Pvt. Doctors, Social Organizations having ambulance facilities, details of voluntary organizations in the nearby locality, Blood bank and blood donor details. All these details must be available in the respective stations also.

4.2.11 General:

- Apart from the above, each PHOD/DRM shall nominate an officer to monitor vulnerable locations and order arrangement.
- A monitoring cell shall be formed by all departments concerned at Divisional/Zonal level to ensure proper coordination and planning.

4.3 DISASTER PREPAREDNESS – ARMEs, ARTs& SPARTs:

4.3.1 SPART/ARME Scale I- Equipment stored in Special Medical Relief Vans stabled in separate sidings:

Target time for turning out of Medical Relief Van from the siding and their despatch from the Stations:-

(A) In case of double exit siding:

Time for turning out ... 15"
 Time for Despatch ... 5"
 Time from ordering to Despatch ... 20"

(B) In case of single exit siding:

Time for turning out ... 25"
 Time for Despatch ... 5"
 Time from Ordering to Despatch ... 30"

Note: The above target time for turning out is reckoned, from the time for ordering to the time they are taken out from the siding and kept ready for despatch on a suitable running line plus 5 minutes for despatch.

(C) The target time for turning out of SPARME CUM SPART -

Wherever SPARME CUM SPART is available, target time for turning out from the siding and their despatch from the Stations: -

(i) In case of double exit siding: -

Time for turning out ... 10"
 Time for Despatch ... 10"
 Time from Ordering to Despatch ... 20"

(ii) In case of single exit siding :-

Time for turning out ... 20"
 Time for Despatch ... 10"
 Time from Ordering to Despatch ... 30"

- (i) One key of the van is available with the SSE(C&W) or in charge of ARME/SPART or the Station Master in a glass fronted case.
- (ii) Other key is with the doctor in charge of the ARME
- (iii) Medicines and equipment are provided as per Railway Board norms.
- (iv) Keys of all locks inside the ARME are also in duplicate. One set of keys are with the medical officer in charge of the ARME and the other set of keys are kept in a glass-fronted case inside the ARME.

4.3.2 Location of SPART/ARME scale- I:

Location Map given in Zonal Disaster Management Plan - Part-II carries the details, as also given in the Accident Manual of Western Railway.

4.3.3 Locations of SPART/ARME Scale –I on adjoining Zones/ Divisions:

Details of SPART/ARME Scale-I, on Adjoining Zones/ Divisions is given in ZDMP -part 2, as also in the Accident Manual of Western Railway.

4.3.4 Section wise chart for requisitioning of SPART/ARMEs from adjoining Zones/Divisions from bothends:

Details of section wise chart for requisitioning of SPART/ARMEs from Adjoining Zones/ Divisions

given in the Accident Manual of Western Railway.

4.3.5 ARME Scale-II: Equipment stored in boxes in special room on platform at or near the station:

- (i) The medical equipment is sealed without any lock.
- (ii) The scale-II room have duplicate keys.
- (iii) One is with the Medical Officer and the other is in the Station Master's Office.
- (iv) This equipment is to be taken out and rushed to the site of an accident by any train or available road vehicle.

4.3.6 Location of ARME scale-II:

Details are given in the Accident Manual of Western Railway.

4.3.7 Location of ARTs:

Location Map given in Zonal Disaster Management Plan - Part-II carries the details, as also given in the Accident Manual of Western Railway.

4.3.8 Accident Relief Train:

Details are given in the Accident Manual of Western Railway

- (i) The target time for turning out of Accident Relief Train (ART) with complete equipment and staff from the loco shed (or the place where it is stabled) and despatch from the station, are as under:

(A) During day: -

Time for turning out ... 30"

Time for Despatch ... 15"

Target Time from ordering to departure ... 45"

(B) During night: -

Time for turning out ... 45"

Time for Despatch ... 15"

Target Time from ordering to departure ... 60"

Note:(i) Both the Target Times of 30" and 45" for turning out Accident Relief Train are to be reckoned from the Time the Accident Relief Train is ordered, to the time the train reaches the loco shed exit point. 15" time is the time permitted for departure from the Station. Any delay in ordering for departure of Medical Van/ ART must be immediately examined and viewed seriously.

(ii) At Stations where the lay out of loco and traffic yard are such as to permit a reduction in the time limits stipulated above, the Divisional Railway Manager should lay down shorter time limits.

- (ii) ART formation is to be stabled complete on separate siding having double exit for faster movement in both directions.
- (iii) Rescue/Restoration equipment are kept as per Railway Board's instructions.

- (iv) Brake Down special keys are with the following Officials:
 - Engineering Tool Van - SSE/SE/JE/Permanent Way.
 - Mechanical Tool Van - SSE/SE/JE/Mechanical.
 - O.H.E. Tool Van - SSE/SE/JE/OHE-TRD.
 - S&T Equipment Cupboard/Almirah - SSE/SE/JE/Tele
- (v) Crane Supervisors will ensure availability of adequate fuel in the crane at all times.
- (vi) On getting Emergency call, the Crane Supervisors shall check and ensure:
 - Correct marshalling of Crane according to site requirement.
 - Alert the standby Crane Operator of 140T Crane.
- (vii) In case road approach is faster, prevailing equipment may be moved by road as required.

4.3.9 Location of ART on adjoining Zone/Division:

Details of SPART/ARME Scale-I, on Adjoining Zones/ Divisions is given in ZDMP-II as also in the Accident Manual of Western Railway

4.3.10 Section wise chart for requisitioning of ARTs with 140T crane from adjoining Zones/Divisions from the other end.

Details of section wise chart for requisitioning of ARTs from Adjoining Zones/ Divisions given in Accident Manual of Western Railway.

4.3.11 Use of accident alarm signals- Sounding of engine whistle/ hooter/ station bell: Details are given in the Accident Manual of Western Railway

4.3.12 Authority to order movement of ARME & ART & SPART/SPARME to site:

- (i) On receipt of information about train accidents, SPARTs/ARMEs and ARTs shall be ordered immediately as required.
- (ii) This decision for ordering would be taken by the PCR/Mech. Officer and Dy. CTNL on duty.
- (iii) After sounding of siren, the ARME/SPARME and ART/SPART should be turned out within the stipulated target time.

4.4 DISASTER PREPAREDNESS – ON BOARD RESOURCES:

4.4.1 On board resources play an important part in Conveying the Information & rescue during an Accident. Following On board resources are available on the train. Their location, use and maintenance has been laid down in the Divisional Disaster Management plans. The on-board resources include the following:

1. **The Portable Telephone:**
Socket Type (Underground cable transmission)
2. **Walkie-Talkie sets:** Walkie-Talkie sets are available with Loco Pilots, Train Managers, Train Superintendent, RPF staff and are also available with the Station Masters.
3. **BSNL/Cell Phone/Mobile Phones-** CUG mobile Phones have been provided to Loco Pilots, Train Managers and Travelling Ticket Examiners. Telephone numbers of stations are available in the working time table.
4. **Emergency Train Lighting Box:** This box is available in the Brake Van of Passenger carrying trains

4.5 DISASTER RESPONSE –OVERVIEW:

4.5.1 Golden Hour:

“If a critical trauma patient is not given definite medical care within one hour from the time of accident, chances of his ultimate recovery reduce drastically, even with the best of Medical attention thereafter. This one-hour period is generally known as The Golden Hour.”

During this Golden Hour period every effort should be made to:

- (i) Render definite medical care to the extent possible by qualified medical practitioners.
- (ii) Stop bleeding and restore Blood Pressure.
- (iii) Persons under shock should be immediately relieved of shock.
- (iv) Transport casualties to the nearest hospital
- (v) For being effective, any Disaster Management system should aim at recovering as many critical patients as possible and rushing them to hospital within this period.

4.5.2 Disaster Syndrome:

A victim's initial response following a Disaster is in three stages. These initial reasons are called Disaster Syndrome.

- (i) **Shock stage:** In which victims are stunned, dazed and apathetic.
- (ii) **Suggestible stage:** In which victims tend to be passive but open to suggestions and willing to take directions from rescue workers and others.
- (iii) **Recovery stage:** In which individuals may be tense and apprehensive and may show generalized anxiety.

4.5.3 Different phases of Disaster Response:

Disaster Response in case of a railway accident consists of 3 phases. These 3 phases are determined both by the time factor, as also by the extent of specialized assistance available.

Firstly, it begins with the spontaneous reaction of men available on the train at the time of the accident. Thereafter the second phase continues with contributions made in rescue and relief work by men and material available locally in nearby areas of the accident site. The third and longest phase consists of meticulously planned action by trained DM teams who arrive at the accident site to carry out rescue and relief operations.

The first phase is of shortest duration, last for about half an hour. It is an amateurish, poorly equipped effort, but is nevertheless the most important phase. In most cases, this is the only help available for a major part of the '**Golden Hour**'.

The second phase which is of 2-3 hrs. Duration is comparatively less amateurish and much better equipped. Their contribution is vital since the 'Golden Hour' period comes to an end during the working of

this group. How many critically injured passengers can finally be saved depends solely on the efficiency of this group.

The last and final phase of Disaster Response by railway's DM team continues for a few days. It comes to an end not only with the restoration of traffic but also with the departure of most relatives and next of kin from the accident site and disposal of all bodies. Few of the grievously injured that continue to be hospitalised for comparatively longer spells are then the sole responsibility of railway's medical department.

With the above scenario in mind, it is necessary to take firm and quick decisions to save lives and property. To achieve these objectives Railways, have a well-defined action plan that is successfully executed by the coordinated efforts of different disciplines, all of who function as a team. The three groups which are active during the above mentioned 3 phases of Disaster Response, may be classified as follows:

- i) Instant Action Team (IAT).
- ii) First Responders (FR).
- iii) Disaster Management Team (DMT).

4.5 .4 First Aid in Emergency

- a) Order of priority for dealing with and helping injured passengers should be as follows:
 - Unconscious.
 - Bleeding excessively.
 - Having breathing problems.
 - Grievously injured.
 - In a state of shock.
 - Having fractures.
 - Simple injured.
- b) For assessing and handling injuries, the acronym DR ABC is to be followed.
 - (i) **D-DANGER:**
Look for danger; Make sure that no further danger exists either for the patient or for the First Aider.
 - (ii) **R-Response:**
Check for consciousness. Call by his/her name, slap, and pinch and shake gently. If there is no response, then it means that the patient is unconscious.

(iii) **A-AIR WAY:**

Clear the airway (Trachea) if the patient is unconscious, then the airway may be narrowed or blocked making breathing impossible. This occurs due to several reasons. Mass food particles or foreign body in the air passage, or the tongue may have sagged back and blocked the air passage. To open the airway, lift the chin forward with the fingers of one hand while pressing the forehead backwards with the other hand, now the tongue comes forward and the airway is cleared. To clear the other objects in the mouth, press the Jaw, open the mouth, put your fingers or a clean cloth in the mouth and clear the things. Now the air passage is clear.

(iv) **B-BREATHING:**

Check for Breathing. Keep the back of your fingers near the nose of the patient. You can feel the warm air (or) keep your ear near the nose and look for the movement of the chest, listen to the sound from the throat and feel the warm air from the nose.

(v) **C-CIRCULATION:**

Check the pulse. Normally we check the pulse at the wrist: however, sometimes it is not felt because of severe bleeding. So, it is better to check the pulse at neck (Carotid Pulse).

After checking DR ABC, there may be two possibilities.

- i) If the patient is breathing and has circulation but is unconscious, immediately turn him to Recovery position and transport to the hospital.
- ii) If the patient has failure of breathing and circulation, then immediately start CPR (CARDIOPULMONARY RESUSCITATION), the important life saving technique in First Aid.

CPR

- If you have been trained in CPR, including rescue breaths, and feel confident using your skills, you should give **chest compressions with rescue breaths**.
- If you have learnt but not completely confident, attempt **hands-only CPR** instead.

Hands-only CPR-

To carry out a chest compression:

- Kneel next to the person and place the heel of your hand on the breastbone at the centre of their chest. Place the palm of your other hand on top of the hand that's on their chest and interlock your fingers.
- Position yourself so your shoulders are directly above your hands.
- Using your body weight (not just your arms), press straight down by 5 to 6cm (2 to 2.5 inches) on their chest.

- Keeping your hands on their chest, release the compression and allow their chest to return to its original position.
- Repeat these compressions at a rate of 100 to 120 times a minute until an ambulance arrives or for as long as you can.

CPR with rescue breaths-

- Place the heel of your hand on the centre of the person's chest, then place the palm of your other hand on top and press down by 5 to 6cm (2 to 2.5 inches) at a steady rate of 100 to 120 compressions a minute.
- After every 30 chest compressions, give 2 rescue breaths.
- Tilt the person's head gently and lift the chin up with 2 fingers. Pinch the person's nose. Seal your mouth over their mouth and blow steadily and firmly into their mouth for about 1 second. Check that their chest rises. Give 2 rescue breaths.
- Continue with cycles of 30 chest compressions and 2 rescue breaths until they begin to recover or emergency help arrives.

(vi) Recovery position:

Recovery position is the safest position for unconscious patients. Normally we keep the patient in a supine position. However, in case of unconscious patients, it is a very dangerous position because the tongue can fall back and blocks the airway or saliva and other secretions may get into the windpipe. To avoid that, turn the casualty into recovery position and transport to hospital in same position.

Sometimes, you may not be in a position to do First Aid due to tense situations. In such circumstances turn the casualty to Recovery Position, to save many precious lives.

4.6 DISASTER RESPONSE – INSTANT ACTION TEAM:**4.6.1 Instant Action Team comprises:**

- (i) The Train Manager, Crew, TS, TTEs, AC coach attendant, RPF and other railway staff on duty on the accident involved train.
- (ii) GRP staff travelling on the train on duty.
- (iii) Railway staff travelling by the accidental train either on duty or on leave as passengers.
- (iv) Doctors travelling by the train.
- (v) Passengers travelling on the train who volunteer for rescue and relief work.
- (vi) Railway staff working at site or available near the site of the accident.
- (vii) Non-Railway personnel available at or near the accident site.

4.6.2 Duties of Instant Action Team:

Detail duty list of Train Manager and Loco Pilot in case of Train accidents/ unusual are laid down in the Accident Manual of Zonal Railways. In addition, duties of the Instant Action Team consisting of the following Staff is laid down in detail in the Divisional Disaster Management Plans.

- (i) Train Manager
- (ii) Loco Pilot
- (iii) Assistant Loco Pilot
- (iv) Train Superintendent/ Travelling Ticket Examiner/ Train Captain
- (v) AC Mechanic/ Attendant
- (vi) RPF/GRP Staff
- (vii) Railway Staff travelling in the accident Affected Train
- (viii) Duties of on-board Railway staff and contractual staff.
- (ix) Duties of Member of Instant Action Team- Till arrival of Divisional Officers.

4.6.3 Duties of OC Site – Immediately after the accident:

- (i) Note down the time of accident.
- (ii) Ensure protection of traffic by Train Manager and Loco Pilot.
- (iii) Ensure reporting of accidents to nearest Station/Control.
- (iv) Roughly assess the extent of damage and likely number of casualties.
- (v) Collect railway staff and volunteers from amongst the passengers and form different groups.
Each of these groups should be assigned work.
- (vi) Maintain a log of events.
- (vii) Till Divisional Officers arrive and take over charge of the situation, continue to discharge duties of OC site.
- (viii) After Divisional Officers arrive, fully brief the DRM and hand over charge to him.
- (ix) The on-board OC site should ensure issue of a detailed message with following information before

leaving the site of the accident.

- Time/Date of accident.
- Location Km./between stations.
- Train number and description.
- Nature of accident.
- Approximate number of killed/injured.
- Extent of damage.
- Assistance required.
- Condition of the adjacent line, if any.
- Whether OHE is involved.
- DRM on arrival assumes the Charge as OC site.

4.7 DISASTER RESPONSE – FIRST RESPONDERS:**4.7.1 Role of First Responders – Local people:****4.7.1.1 At accident site:**

- (i) Local people will call 108 Ambulance service.
- (ii) Tractors, which arrive, should be lined up in a row facing the track with their headlights switched “ON” for illuminating the accident site.
- (iii) Tractors should be so spaced out that they illuminate the entire length of the accident site. Such spacing would also depend on number of tractors that have arrived.
- (iv) Rescue and relief work should now be mounted under the available light.
- (v) Villagers arriving for rescue and relief work should be formed into separate groups for handling individual coaches.
- (vi) Group leaders of IAT who were earlier conducting rescue and relief work should co-ordinate with the local people and guide them.
- (vii) Grievously injured passengers extricated from coaches should be sent to the nearest hospitals in tractor trolleys.
- (viii) Passengers who have suffered trivial injuries and uninjured passengers should stay back at the accident site and wait for the arrival of railways DM team who would take charge of them.
- (ix) As a thumb rule, any injury requiring hospitalisation of more than 48 hrs. is grievous, hospitalisation of less than 48 hrs. is simple, and any injury not requiring hospitalisation at all is trivial.
- (x) The following priority should be adhered to while sending such grievously injured passengers:
 - Unconscious,
 - Bleeding excessively,
 - Having breathing problems,
 - Grievously injured,
 - In a state of shock,
 - Having fractures,
 - Simple injury,
- (x) Dead bodies, if extricated, should be kept alongside the coach but away from the track for proper tagging etc. before being dispatched for preservation.
- (xi) Bodies should be kept in separate lots, coach wise, so that they do not get mixed up.
- (xii) Tagging of dead bodies should indicate the coach number and also the cabin number, if possible, (For example NCR 98127, cabin number containing berths 9-16).

4.7.1.2 In villages/towns:

- (i) A big building, preferably a school building should be got vacated and made ready for keeping of dead bodies and unclaimed luggage of passengers.
- (ii) They should be asked to bring the following to the accident site for train passengers:
 - Tea and refreshments,
 - Warm clothing, if required.
- (iii) Look after injured passengers who have been taken to the village.

- (iv) Take injured passengers to the nearest hospital by means of any transport available. For this purpose, apart from tractor trolleys, even trucks passing on the highway can be utilized.

4.7.2 Duties of First Responders – Railway Staff:

The First responders from Railways will normally include the staff present at the vicinity/ Station. However, all other Staff available/ posted at the station are to report to the Station master at the earliest. Detailed duties of each of these staff are brought out in the Divisional Disaster Management Plans. Some Staff available include the below:

1. Gang Staff
2. Gatemen
3. Cabin man
4. Points man
5. Station Superintendent in charge
6. Station Master
7. Housekeeping staff
8. Station Master at adjoining stations: Station Masters of adjoining Stations plays an important role at the time of Disasters. Their duties Include:
 - i. Conveying of Information
 - ii. Call 108, if it has not been called by the local people.
 - iii. Medical Assistance
 - iv. Passenger Assistance
 - v. Transport Assistance
 - vi. Security Assistance.
 - vii. Communication Assistance.
 - viii. Sending Manpower Power to site
 - ix. Preservation of clues and Evidences.
9. Transportation Inspector/Chief Loco Inspector/ SSE (P. Way)/ SSE (Signal)/ SSE (C&W) & SSE (TRD): These officials are Chief supervisors of their respective departments. At an accident site they play an important role in:
 - i. Rescue and relief
 - ii. Preservation of clues/evidences
 - iii. Joint measurements
 - iv. Restoration of Assets for operation.

4.8 DISASTER RESPONSE – OFFICERS AT DIVISION & HEAD QUARTER:

4.8.1 Intimation of Accident – Divisional Control Office:

In the Divisional Control Office, information regarding an accident is generally received either by the Section Controller or the TPC.

- (i) In most cases, the First Information Report also intimates the approximate number of coaches involved and a rough estimate of the likely number of casualties (such as 'heavy casualties expected').
- (ii) Accidents involving a passenger carrying train where the first information says that heavy casualties are expected, should prima-facie be treated as a Disaster.
- (iii) The moment information regarding an accident involving a passenger carrying train is received in the divisional control office; the accident bell in the control room should be sounded for alerting all on-duty functionaries.
- (iv) After all, on-duty functionaries gather around the section control board, they will be briefly informed about the accident.
- (v) Each functionary will thereafter resume his position and take steps to set in motion activities required of him.
- (vi) TPC will switch off OHE in case it has not tripped. OHE will not be restored even on adjacent line unless confirmation has been received from the site that the adjacent line is not obstructed and OHE is alright.
- (vii) PCR will undertake the following action in the given order of priority:8
 - (a) Give orders to Loco Foreman/SSE Loco for sounding the siren for ARMEs and ARTs.
 - (b) Order movement of ARME and ART (with 140T crane) from adjoining divisions for approaching the accident site from the other end
 - (c) Thereafter he will inform his departmental officers and supervisors.
- (viii) Dy. CTNL (Punctuality.) will first inform Hospital Casualty. Thereafter he will inform officers and supervisors as given below:
- (ix) Each departmental functionary will inform divisional officers and supervisors of his department about the accident as detailed below:

<u>Functionary</u>	<u>Officers and Supervisors to be informed</u>
• Dy. CTNL (Op.)	Operating & Safety. Stores, Personnel & Accounts
• Dy. CTNL (Punctuality)	Hospital Casualty, DRM, ADRM, Medical
• TPC	Electrical
• S&T Control	S&T
• Engineering Control	Engineering
• PCR/ CCR	Mechanical
• Commercial Control	Commercial, Public Relations
• Security Control	RPF

- (x) All functionaries working in the divisional control office will have a ready list of telephone numbers (Railway, BSNL and Mobile) of all officers and supervisors of their departments.

- (xi) After Dy. CTNL (Punctuality) has informed Hospital Casualty, DRM, ADRM and Medical Doctors, he will then inform Dy. CTNL(Punctuality) or Dy. CTNL(Op) in Headquarters, Emergency Control regarding the accident.

4.8.2 Intimation of Accident – Headquarters Emergency Control Office:

- (i) In Head Quarters Emergency Control Office also, the information should be conveyed immediately over Railway/ BSNL/ CUG phones alerting all on-duty functionaries of concerned departmental controls, briefing them about the accident.
- (ii) A telephonic advice should be relayed to nominated officers as listed in Zonal HQ by emergency control immediately after the information of the accident is received from the DY. TNL/ CTNL of Division, in case of following categories of accidents:
 - (a) All train accidents which include the consequential train accidents as well as other train accidents.
 - (b) Any yard accident having serious repercussions on movement of traffic on through line resulting in dislocation of traffic more than the threshold value as indicated above.
 - (c) Landslides, breaches, OHE breakdown etc. which result in dislocation of traffic more than the threshold value as indicated above.
 - (d) Indicative accidents of averted collisions and Signal Passing at Danger.
- (iii) The HQ Emergency Control shall keep record of the information in the Accident Register in the prescribed proforma.
- (iv) **HQ officers to be informed by HQ/Emergency Control in the following order: -**
 - (a) PCSO (GM shall be immediately informed by PCSO and in their absence by Dy. CSO (Traffic) or CPTM or Dy.COM/STM (Coaching) or the officers nominated by PCOM.).
 - (b) PCMD (in case of passenger carrying train accidents)
 - (c) Secretary to GM (for information to GM)
 - (d) AGM
 - (e) PCOM
 - (f) CPTM
 - (g) COM/G
 - (h) Other allied controls in HQ. The respective departmental controls will in turn inform their PHODs, HODs and other officers/supervisors as per the protocol laid down.
 - (i) CPRO
 - (j) Dy.COM/Coaching
 - (k) Concerned Dy. CSO (Traffic/Electrical/Mechanical/Engineering and S&T)
- (v) In case of accidents involving injuries, the CMS shall be advised first of all. In case the PHODs are not available, the nominated HODs or DY. HOD of the departments concerned shall be advised. It will be the duty of the officer who has been informed to take further action and advise all concerned officers of the department.
- (vi) To enable the Headquarters Office to advise the Railway Board, it is necessary that full details of

the accident shall be furnished by the Division immediately after the occurrence of the accident, followed by further details which were not readily available at the time of sending the first advice.

- (vii) Each departmental functionary will inform HQ Officers of his department about the accident as detailed below:
- Dy. TNL(Op). Operating, Safety. Engineering,
 - Dy. TNL(Punctuality) GM, Medical.
 - TPC Electrical,
 - S&T Control S&T
 - PCR/CCR Mechanical, Stores
 - Commercial Control Commercial, Public Relations, RPF
- (viii) All functionaries working in the Emergency control office will have a ready list of telephone numbers (Railway, BSNL, and Mobile) of all officers and supervisors of their departments.
- (ix) After Dy. TNL (Punctuality) has informed GM and Medical Doctors, he will inform Safety Directorate's Emergency Cell in Railway Board.
- (x) GM will inform CRB & CEO regarding the above accident.
- (xi) PHODs will inform their respective Board Members. In case PHOD is not available in Headquarters, then the next senior most officer of that department will inform to his Board Member.
- (xii) In case of accidents falling under section 113 of the Railway Act 1989 the CRS shall be promptly informed about the accident by PCSO/ Dy. CSO (Traffic)/ Dy. COM (C) or in their absence by other officers nominated for the purpose.
- (xiii) Dy. TNL (Punctuality) HQ will thereafter inform the BCT Division control office regarding running out of 1st Special train to the accident site carrying GM and other HQ Officers.
- (xiv) Functionaries of different departments will also inform their respective departmental officers regarding the timing of 1st special train carrying GM and other Headquarters officers to the accident site.
- (xv) In case the accident site is far off and going by air would be faster, then either helicopters or special Air Force planes may be organized from the IAF Base at Gandhinagar by Secy. to GM or by private hiring.

4.8.3 Informing Non-Railway Officials by the Division:

The portion having details relating to Disaster management plan i.e. relevant information such as details of civil authorities to be contacted whenever required or assistance during serious accidents (disasters) shall be dealt with by the Operating Department (Chief Operations Manager) of the Railway concerned. (Rly. Bd's Letter No. 2002/Safety (A&R)/19/29 Dated 31.12.08).

- (i) DM, SP and CMS of the district within which the accident site falls should be informed regarding the accident by the CTNL of the concerned Division.
- (ii) ADRM will inform the following regarding the accident:
- IG/GRP
 - ADG/GRP,
 - Divisional Commissioner.
 - Home Secretary.
- (iii) In case POL rake is involved, then IOC/BPC/HPC/Reliance/Essar etc. officials should also be

informed.

- (iv) In case Mailbags of RMS are involved, then postal officials should also be informed.
- (v) Telephone numbers of all DM, SPs, CMSs on Divisional Commissioners & IOC, BPCL and HPCL officials are available in Divisional DM Plans.
- (vi) Telephone numbers of ADG/GRP, IG/GRP, Home Secretary etc of Maharashtra, Gujarat, Madhya Pradesh and Rajasthan given in ZDMP Part-II

4.8.4 Divisional Officials to go to site:

- (i) All concerned divisional officers should proceed to the accident site by the ARME.
- (ii) Road vehicles should also be sent to the accident site from Divisional Headquarters.
- (iii) Target time for turning out ART from the siding and their dispatch from the stations as given in Accident Manual of Western Railway.
- (iv) Target time for turning out of SPARME CUM SPART- from the siding and their dispatch from the stations as given in Accident Manual of Western Railway.
- (v) DRM will proceed to the accident site; ADRM shall stay back at divisional Headquarters for coordination work.
- (vi) Officers heading different branches within the same department are referred as Branch Officers. Required Branch Officers should proceed to the accident site.
- (vii) The second senior most officer of each branch should stay back at divisional Headquarters.
- (viii) Of the remaining officers from each branch, a majority of both Senior and Junior scale officers should also proceed to the accident site.
- (ix) Once it has become clear that the accident is a Disaster, it is desirable that 80/20 rule is followed: 80% of all officers should go to the accident site, and only 20% should stay back at Headquarters. However, each disaster is never exactly the same, GM/DRM/ Officer in-charge will use his wisdom and discretion.
- (x) Divisional DM Plans should specifically spell out, department wise, designations of officers & Supervisors who will be required to go to site, and those who will be required to stay back in Head Quarters.
- (xi) Arrangements of Road Vehicles to proceed to the accident site, indicating alternative vehicles as well, shall be indicated in Divisional DM Plans.
- (xii) Arrangements of vehicle drivers including spare drivers shall also be notified.

4.8.5 Supervisors required going to Accident Site:

- (i) At the divisional level it is desirable that 80% of all supervisors available in divisional Head Quarters should proceed to the accident site. However, each disaster is never exactly the same Branch Officers will use their wisdom and discretion.
- (ii) Other supervisors available in the field at other stations should also proceed to the accident site as required.
- (iii) Divisional Control Office should issue a computerized recorded control message from DRM to all

Supervisors for proceeding to the accident site immediately by the fastest possible means.

4.8.6 Head Quarters Officers required to go to site:

- (i) All Head Quarters officers required to go to the accident site should proceed by the 1st special train, which will be carrying GM and other officers from Head Quarters.
- (ii) Mumbai Divisional Control Office shall arrange this special train, in consultation with Head Quarters Emergency Control as directed. Their departmental functionaries in Head Quarters Emergency Control will inform schedule departure time to Headquarters officers.
- (iii) GM will proceed to the accident site. PCOM shall stay back at Zonal Headquarters for coordination work.
- (iv) Department wise, designations of officers who are required to go to site, and those who will be required to stay back in Head Quarters, generally, is given below:

Department	Site	Headquarters
Medical	PCMD	CHD/ACMD / Dy .CMD
Commercial	PCCM, CCM (PM), Dy. CCM (FM)	Dy. CCM (PM) Dy. CCM (Claims)
Mechanical	PCME, CRSE (F & O)	CRSE (Coaching), 1 JA Grade
Civil	PCE, CTE, CBE, 3 JA Grade	1 SAG + 1JA Grade
Electrical	PCEE, CELE (if Loco is involved)/CEDE (if OHE is involved), 2JA Grade	1 SAG + 1JA Grade
S&T	PCSTE, CSE, CCE Dy. CSTE (Tele)	1 SAG+1JA Grade
Operating	Nominated JA Grade, Senior and Junior Scale officers.	COM(G), CFTM, CPTM, Dy. COM (Chg)& Dy. COM (R)
Safety	PCSO, Dy.CSO as nominated	Dy.CSO(Traffic)
Security	PCSC & Sr. DSC/DSC of the Division	Addl. CSC
Personnel	PCPO	CPO(Adm.)
Accounts	PFA, FA&CAO (Tfc.)	Dy. FA&CAO (CMR)
Stores	PCMM	CMM (E&G)
Public Relation	Sr. PRO/ PRO	CPRO
IT	--	Sr. EDPM

- (v) PHOD shall issue local instructions based on the above regarding supervisors required to go to the accident site.

4.8.7. Rescue, Relief and Restoration Operation:

DM Team on arrival by SPARTs/SPARMEs/ ARMEs and ARTs shall undertake following actions:

- (i) Crowd Control and Law and Order.
- (ii) Rescue operation.
- (iii) Relief operation.
- (iv) Preservation of clues and Evidence.
- (v) Video coverage of the accident site.
- (vi) Installation of communication Network.
- (vii) Clearance from State Police for restoration.
- (viii) Media Management at site.
- (ix) Salvage Operation.
- (x) Restoration operation.

4.8.8 Formation of two teams at accident site for round the clock working:

- (i) At the accident site, departmental officers available from both Headquarters and division shall be formed into two teams for round the clock working in 2 shifts, preferably 8 hrs. to 20 hrs. and from 20 hrs. to 8 hrs.
- (ii) PHODs shall be available on duty during the daytime/crucial times depending on the stage of activity at the site.
- (iii) PHODs shall take on the spot decision regarding composition of the team for night shift for their respective department. This composition should not normally be changed during the 3-4 day stay at the accident site.
- (iv) Branch Officers shall be available on duty during the daytime/crucial times depending on the stage of activity at the site.
- (v) Branch Officers shall take on the spot decision regarding composition of the team for night shift for their respective department. This composition should not normally be changed during the 3-4 day stay at the accident site.
- (vi) Similarly, the supervisors available from both Headquarter and divisions shall also be put in two teams.

4.8.9 Officer-in-charge of Site (OC Site):

On arrival of ARME at the accident site DRM shall take over as OC site from the senior-most officer of the accident involved train/site of disaster. On arrival of 1st Special train carrying GM and other headquarter Officers, GM shall be OC site. In the absence of GM, the senior most officer shall be OC Site. He will be responsible for forming Core Groups as required and direct them to carry out efficient rescue, relief and restoration operations.

The officer or senior sub-ordinate of any department, who may happen to be present at the time of accident or who first arrives at the site of accident (irrespective of whether he is on duty or not), shall take action to

preserve the clues and evidence at the site of accident. He shall inspect the site of the accident and locate the crucial evidence and clues that will help in determining the cause of the accident.

He shall arrange for protection of the site/area that holds the clues/evidence which will be essential to arrive at the cause of the accident. He shall ensure that such clues/evidence is not tampered with by Railway staff or outsiders.

There should be no tampering with the evidence unless joint observations are taken. However, in order to save life or to clear the track for passing coaches carrying injured passengers or for any other reason to be recorded in writing, the Senior most Officer, not below the rank of Senior scale, can order and authorize through control phone or from site, that certain vehicle be moved or certain point disconnected or certain portion of distorted track be repaired after the sketch is made or photographs are taken.

Tampering with evidence is an offence. Any railway official found tampering will be taken up under Service Conduct Rules apart from action by police and other officials as warranted by rule of law.

Further details are given in the Accident Manual.

4.8.10 Photography & Videography:

Prior to starting restoration work of an accident site, divisions should undertake suitable video film coverage to the extent feasible. Videography/photography by digital camera should also be undertaken extensively for its obvious advantages. The photographs should be taken from a vantage point and from as many angles as possible so as to give a bird's eye view as also close up photographs.

- (i) Such Videography/photographs should clearly indicate:
 - a. Severity of the accident.
 - b. Illustrate the damage to P. Way, Rolling stock, Signal, OHE and other structures and equipment.
- (ii) Specific set of Videos/ photographs to be taken to preserve clues and evidence which are important from technical point of view like sabotage, derailment, fire and so on.
- (iii) Victims and unidentified bodies should also be extensively photographed. Proper tagging of the Photographs should be done.

4.8.11 OC Site:

- (i) Ensure setting up of UCC, CAC and LCCs at the earliest.
- (ii) Collect information from OC site of IAT.

- (iii) Take stock of the situation and plan for efficient rescue operation.
- (iv) Estimate quantum of assistance required for each department from:
 - Within the division,
 - Adjoining divisions of WR,
 - Adjoining zones,
 - Non-railway agencies,
- (v) Channelize local resources to supplement available railway resources.
- (vi) Ensure that duties of various functionaries of different departments as laid down in WR's Zonal DM plan are carried out.
- (vii) Ensure coordination among all departments for efficient rescue, relief and restoration operations.
- (viii) Ensure information to SP Police and District Magistrate.
- (ix) In case of sabotage, direct RPF to obtain quick clearance from State Police.
- (x) In case of serious explosions or fire, clearance from the Controller of Explosives is to be obtained.
- (xi) Give prima facie cause of the accident along with forecast of expected date and time of restoration.
- (xii) Ensure timely information on the progress of rescue, relief and restoration work every 3 hrs. with following details:
 - Number of coaches searched.
 - Number of injured passengers recovered.
 - Nature of injuries to passengers.
 - Number of bodies recovered.
 - Number of bodies identified.
 - Number of coaches dealt with.
 - Supplementary assistance required, if any,
- (xiii) Forecast for completion of each activity mentioned below should also be firmed up. In most of the train accidents and disasters, the work of individual components as listed below may have to be done in stages and the schedule for each stage should be fixed e.g. re-railment of 4th coach, linking of track portion, then re-railment of 3rd coach, linking of track in that stretch and so on. These target dates and times should be communicated to all officers and supervisors at accident site:
 - Re-railment.
 - Track fitness.
 - OHE fitness.
 - Points and interlocking.
 - Clearance of section.
 - Movement of the first train.

4.8.12 Duties of Divisional Railway Manager:

- (i) Ensure that functionaries of different branches at the accident site carry out duties assigned to them as per Zonal and Divisional DM Plan.

- (ii) Coordinate with Divisional Emergency Cell regarding assistance required.
- (iii) Coordinate with Civil Authorities especially with regard to:
 - Requisitioning of buses from State transport authorities, with drivers for round the clock duty.
 - Waiving off of post Mortem formalities.
 - Positioning of Municipal Officials in the CAC for issuing of Official Death Certificates.
- (iv) Ensure that proper assistance is rendered by each department.
- (v) Ensure that in addition to one vehicle available in the Control Office round the clock, sufficient numbers of vehicles are available along with particulars of the Drivers.
- (vi) Immediately decide which officer should go by road/ART/ARME.
- (vii) Nominate the officer to man Control Office.
- (viii) Depute ADRM as in charge in Control Office if proceeding to the site.
- (ix) Arrange to advise the Home Secretary / Chief Secretary or other Officers of the state in case of sabotage for prompt attendance of the Superintendent of Police.
- (x) Function as the senior most officer and as "Accident Manager".
- (xi) Arrange investigations by Divisional Officers, even in cases where an enquiry by the CRS/SAG Officers is to be held but immediate steps like recording of statements, seizure of records, taking important observations, joint measurements, preparing sketch etc. are necessary.
- (xii) Appoint two officers as reporters in case of serious accidents/damages.
- (xiii) Arrange for taking joint observation/ reading by supervisors.

4.8.13 Duties & Responsibilities of Various departments:

For efficient Disaster Management, responsibilities of various departments are to be executed by deputing responsible officers and supervisors. Important duties of such officers/ supervisors are enlisted as follows:

4.8.13.1 OPERATING DEPARTMENT:

General (on Receipt of Information):

Immediately after getting the information -

- (i) Sectional Tl s and Supervisory SSs should be directed to reach the accident site by first available means.
- (ii) Similarly, additional RG/LR staff from the section should be sent to stations on either side so that SMs can be free for going to the accident site.
- (iii) Since a considerable amount of shunting is required to be performed at adjoining stations, additional traffic supervisors in shifts should be deployed at the affected and adjoining stations as required.
- (iv) Ensure that special trains are sent into the accident affected block section according to the sequence.
- (v) Ensure proper marshalling of crane while proceeding to the accident spot in the block section.
- (vi) Ensure that Engineering vans of the ART are placed nearest to the accident site. For this purpose, Engineering van/wagon should be placed closest to site of accident by sending it in pushing condition.

- (vii) Ensure prompt clearance of stranded passengers at the site in coordination with the Divisional Emergency Cell.
- (viii) Regarding running of special trains, keep in touch with Divisional Emergency Cell and give requirements from site.
- (ix) Placement of wagons/coaches for movement of material/men for site as requisitioned by the service departments
- (x) Arranging of necessary traffic and power blocks on the adjacent line as required

4.8.13.2 SAFETY DEPARTMENT:

Duties of Safety Department:

- (i) Preserve all clues and evidence regarding probable cause of the accident and ensure that these do not get disturbed till these are noted/recorded/photographed/video graphed as required and in addition police clearance is received in case of suspected sabotage.
However for the rescue of the injured and extrication of dead bodies, minor movement/ shifting of vehicles, shifting of fixed infrastructure like Track/ S&T equipment/ OHE etc. and minor connection of fixed infrastructure; decision should be taken by officer in-charge or officer not below the level of Senior scale authorized by him as brought out above. But recording of evidence in different formats without losing crucial time should be ensured to the extent feasible.
- (ii) The clearance and restoration operation that may cause disturbance to likely clues should not be commenced till the Police Officials (in case of suspected sabotage) arrive at the site and intimate their agreement to the commencement of clearance operation.
- (iii) A factual note of the conditions obtaining at the site prior to restoration work should be prepared and signed jointly by the senior most police and railway officials at the site. In the event of any difference of opinion between the police and railway officials, such differences of opinion may be recorded on the joint factual note.
- (iv) Whenever there is delay in the arrival of civil and police officials at the site of accident, the senior most railway official at the site may, at his discretion, jack up any portion of coach or shift any property to the minimum extent necessary, after noting its original position by sketch and taking adequate photographs to extricate human beings trapped under it in the shortest possible time to avoid unnecessary pain and suffering. Normal traffic should, however, not be permitted without consulting the police.
- (v) Where statutory inquiry of CRS is mandatory, no re-railing of rolling stock or any obliteration of the clues should be resorted to without the specific permission of the CRS unless the disturbance to the clues is necessary for saving lives of entrapped passengers.
- (vi) Ensure that video/still photographs by digital cameras are taken as required.
- (vii) Ensure that joint measurements, observations are recorded in the prescribed Performa before restoration work begins.
- (viii) Ensure that unaffected rolling stock is moved away from the site and thereafter stabled at

convenient location for further examination during accident inquiry.

- (ix) Ensure that evidence of train staff; station staff and public are recorded on the spot.
- (x) Addresses and contact details of passengers willing to give statements later should also be obtained.
- (xi) Ensure that special trains are sent into the accident affected block section according to the sequence.

4.8.13.3 MEDICAL DEPARTMENT:

General on Receipt of Information:

On receipt of information regarding the accident where casualties are expected, the doctor on emergency duty in the hospital casualty would inform all other doctors and Para medical staff concerned.

4.8.13.3.1 Formation of two teams:

- (i) Two teams of Doctors and Para medical staff would be formed. Team 'A' and Team 'B'. In case the accident site is far away from divisional Head Quarters and injured passengers are unlikely to be brought back to the divisional hospital for treatment, keep the bare minimum number of doctors in Team 'B' and all remaining available doctors should be rushed to the accident site as part of Team 'A'.
- (ii) Team 'A' – headed by CMS/MS in charge will rush to the accident site by ARME (12-15 doctors and 15-20 paramedics).
- (iii) Team 'B' – headed by the senior most doctor amongst them will stay back at the divisional hospital; and perform duties as given below:

4.8.13.3.2 Duties of Team 'B':

- (i) Establish an Emergency Cell in the Casualty Unit of Railway Hospital.
- (ii) Contact adjoining divisions and organise movement of 2 more ARMEs to accident site, one from each end.
- (iii) Contact local hospitals (Railway/Govt./Private) near the accident site and ask them to rush their road ambulances along with the necessary medical team to the accident site.
- (iv) Ask the local hospitals to be in readiness to receive and provide medical treatment to injured passengers.
- (v) Data Bank of medical facilities along the track section wise is available in Divisional DM Plans. Copy of Divisional DM Plans should be available in the Hospital Emergency of Railway Hospital.
- (vi) Arrange to send backup logistic support (more medical teams, housekeeping staff, health workers, St. John's Ambulance, Scouts and Civil Defence personnel) to the accident site in the 2nd and 3rd Special trains carrying from each end.

- (vii) Coordinate with MS/PCMD of adjoining Divisions/Zones to send their medical teams to the accident site by quickest means.
- (viii) Arrange and send adequate number of items such as Body bags, Polythene covers for dead bodies, Coffins, Dry ice, etc. for handling of dead bodies.
- (ix) Keep one doctor in Divisional Emergency Cell to liaison with UCC and the medical team at the accident site for Requirement of medicines either at the accident site or in various patients admitted hospitals.
- (x) Prepare Railway Hospital to receive and provide treatment to injured passengers, when they are brought back from accident site.
- (xi) Arrange to send anti snake venom 4 vials and other items in cold chain carrier.

4.8.13.3.3 Classification of Injuries:

Injuries are classified as: -

- (i) **Grievous** – 'Grievous' injuries for the purpose of these statistics should be taken as injuries as defined in Section 320 of Indian Penal Code reproduced below for ready reference. (Section 320, Indian Penal Code 45 of 1860). Following kinds of hurt only are designated as 'Grievous':
 - (i) Emasculation.
 - (ii) Permanent privation of the sight of either eye.
 - (iii) Permanent privation of the hearing of either ear.
 - (iv) Privation of any member or joint.
 - (v) Destruction or permanent impairing of the power of any member or joint.
 - (vi) Permanent disfiguration of the head or face.
 - (vii) Fracture or dislocation of a bone or tooth.
 - (viii) Any hurt which endangers life, or which causes the sufferer to be, during the space of twenty days, or in severe bodily pain or unable to follow his ordinary pursuits.
- (ii) **Simple Injuries** – A person will be considered to have incurred simple injuries, if these injuries incapacitate the injured person to follow his customary vocation during 48 hours after the occurrence of the accident.
- (iii) **Trivial Injuries** – These include injuries other than grievous hurt or simple injuries as defined above.

Note: A person is not to be considered as 'injured' when the injuries received are petty abrasions or bruises or injuries which in the opinion of the reporting officer, do not incapacitate the injured person from following his customary vocation, or mode of life for a period of more than two days. These are to be considered as 'Trivial Injuries'.

4.8.13.3.4 Dealing with dead bodies:

- (i) Problem faced by rescue teams is regarding dealing of dead bodies.
- (ii) In case of a major disaster, the usual complement of medical staff in any ARME is grossly inadequate for undertaking work of this magnitude.
- (iii) Adequate number of housekeeping staff and other health workers who have come to the accident site should be mobilized for this purpose.
- (iv) Often rescue and relief operations continue for more than 48 hours.
- (v) Dismembered bodies begin emitting foul odour after two days. Carrying out this task under such circumstances becomes a real problem.
- (vi) Target should be to extricate all dead bodies within 24 hrs.
- (vii) Dead bodies should be dealt with coach wise; otherwise, bodies taken out from different coaches' get mixed up.
- (viii) Bodies taken out from coaches should be stacked at some distance from the track in front of respective coaches, in separate lots, coach wise. While this may slow down the work initially, in the long run it is more systematic since bodies don't get mixed up.
- (ix) Shift dead bodies from coaches to a nominated place at the accident site with the help of paramedical staff, SJAB, Scouts, Civil Defence personnel, other railway staff and non-railway volunteers available at site.
- (x) Put dead bodies in body bags.
- (xi) Put label written by Marker pen on each dead body in the pocket provided in body bag.
 - Date _____
 - Dead body Serial No. _____
 - Name _____
 - Age _____ Sex _____
 - Coach No./Coupe reference (say Berth 9 to 16) _____
- (xii) In case of unidentified dead bodies, against the item 'name' it should be written as unidentified-1/unidentified-2 etc. Approximate age should be estimated from the appearance, such as between 35-45 years.
- (xiii) 5 Photographs preferably by digital camera should be taken of each dead body. Two should be close up of face from in front and sideways, third should be of full length of the body. Photographs for any ornaments or watch or other identifiable objects and visible permanent marks on the body shall also be taken for help in identification.
- (xiv) If possible, each body should also be video photographed.
- (xv) After photographs have been taken, each body should be placed inside a plastic bag with zip having proper labelling system where same information is also to be provided.
- (xvi) After this, bodies will be handed over to GRP or Local Police for safe custody.
- (xvii) Take necessary steps to handle unhygienic conditions that may arise due to decomposed/mutilated bodies.

4.8.13.3.5 Preservation of dead bodies:

- (i) Numbering and photography of bodies should be done even when relatives are on hand to claim the body.
- (ii) Arrangements have to be made for a more permanent location for them till such time as the next of kin arrive to claim these bodies.
- (iii) In all such accidents passengers are invariably separated from their belongings. As such in many cases there are no tickets or other identification papers on their persons.
- (iv) This problem is further compounded in unreserved coaches where no reservation charts are available.
- (v) Identification problems come up in case of mutilated bodies also. In such cases, photographs are better means of identification.
- (vi) Arrange for hiring of a couple of big halls, for keeping bodies.
- (vii) Rooms should preferably be at a single location so that relatives do not have to go around from mortuary to mortuary.
- (viii) A large building having number of rooms would be ideal for storing them. Best option would be to take over a school building temporarily.
- (ix) Arrange to move dead bodies to nominated buildings being used as temporary mortuaries. Bodies likely to be hold for more days should be embalmed.
- (x) Bodies should be neatly lined up with their numbers prominently displayed, and kept in different rooms, coach-wise.
- (xi) The Notice Board outside the building should display the room nos. where bodies extracted from a particular coach have been kept.
- (xii) These details should also be posted on a notice board outside each room.
- (xiii) This will prevent unnecessary handling of bodies, which in any case would be in an advanced state of decomposition.
- (xiv) For dead bodies of persons, whose relatives are not readily available and delay is expected, arrange for their preservation by dry ice etc.
- (xv) Procure Shrouds, Polythene bags, Coffins, Dry ice from local markets for dealing with dead bodies if required.
- (xvi) 4 Commercial supervisors should be put on round the clock duty in the building housing the temporary mortuary for guiding relatives as and when they come.

4.8.13.4 COMMERCIAL DEPARTMENT:

- 4.8.13.4.1 General (on Receipt of Information):** Sr. DCM should proceed to accident site along with all other Commercial Officers by withdrawing sufficient money from station earnings. DCM will be available in Divisional Control Office for providing backup support.

4.8.13.4.2 Main Functions of Commercial Department at the site:

Main functions of the Commercial department can be broadly classified as:

- (i) Withdrawal of cash from station earnings.
- (ii) Hiring of road vehicles.
- (iii) Catering to injured and uninjured passengers.
- (iv) Initial round of hospitals and assessment of situation.
- (v) Preparing list of injured passengers.
- (vi) Transporting them to hospitals and getting them admitted.
- (vii) Payment to ex-gratia to injured and next to kin of dead.
(As per Railway Board's circular No 2023/TC-III/49/1/ex-gratia dtd 18.09.23)
- (viii) Dealing with refund and claims compensation formalities.
- (ix) Taking charge of luggage and consignments.
- (x) Post admittance hospital care of the injured.
- (xi) Taking care of relatives.
- (xii) Payment to staff if required.
- (xiii) Manning the place holding dead bodies to guide the relatives.

4.8.13.5 MECHANICAL DEPARTMENT:

On Receipt of Information: Sr. DME as well as AME should proceed to site of accident. DME will be available in Divisional Control Office for providing backup support. PCME along with HODs and other JAG Officer from Headquarter will proceed to accident site as per requirement.

4.8.13.5.1 Duties of Mechanical Department on arrival at Site:

Restoration is the prime responsibility of Mechanical Deptt. For discharging the dual responsibility of extricating injured passengers and dead bodies from coaches and toppling those coaches whose search has been completed, 2 separate groups will be formed at each end for purposes of 'search and rescue' and 'off tracking of coaches'.

Once 4 ARMEs, 2 ARTs and 2 Break Down specials have arrived at the accident site from both ends, normally no more mechanical equipment will be required from anywhere else. The main work will then consist of using of these resources effectively and efficiently.

Different teams and groups will be formed for discharging the dual responsibilities of the Mechanical department. Each team should consist of 4-6 members and each group should consist of 3-5 teams, depending upon requirement.

One Sr. Supervisor should be in-charge of each team conducting 'search and rescue' at the site. All such 'search and rescue' groups at each end of the accident site, would function under directions of an AME.

Similarly, one Sr. Supervisor should be in-charge of each team working on 'off tracking of coaches' at the site. All such 'off tracking of coaches' groups at each end of the accident site, would function under directions of another AME. The second AME concerned would also be in-charge of the crane at that end.

- (i) Take precautions in electrified section that power supply is switched off before commencing rescue/relief work.
- (ii) Use necessary safety equipment like hand gloves, helmet etc.
- (iii) If spillage of inflammable substances is suspected, then only cold cutting equipment should be used.
- (iv) In case of suspected sabotage, ensure minimum interference to clues. Safe lives and extricate passengers after video and digital photographs have been taken.
- (v) Be cautious in using rescue tools like gas cutters, cold cutters, spreaders, hydraulic jacks etc. so that passengers trapped inside or buried under the debris do not get hurt.
- (vi) Ensure marshalling of ART according to site requirement before it is sent into the accident involved block section.
- (vii) For efficient extrication of entrapped passengers take assistance of Medical/Engineering departments.
- (viii) Each team will join up with Medical teams who would also be involved in extracting dead and injured from coaches.
- (ix) Maximum number of coaches should be tackled simultaneously, except those that have climbed on top or have telescoped into one another.
- (x) Road cranes requirement, if any of sufficient capacity to be conveyed to Engineering Department to arrange so that these cranes can start working from the centre while the 140 T cranes can continue working from either end.
- (xi) Trucks should be arranged for carrying BD equipment near to accident-involved coaches, so that number of coaches can be simultaneously approached and more work centres can be opened up.
- (xii) Examine unaffected or re-railed rolling stock and certify their fitness for further movement.

4.8.13.6 SECURITY DEPARTMENT:

On receipt of Information: Sr. DSC will proceed to the site by ARME along with maximum number of RPF personnel, only one officer will stay back at Divisional Headquarters.

PCSC/RPF will also proceed to the accident site along with Dy. CSC. CSC/RPF will assume control and take necessary steps for discharging duties allotted to the security department.

4.8.13.6.1 Duties of Security Department on arrival at site:

Main functions of the Security Department can be broadly classified as:

- (i) Coordination with GRP and Local Police.
- (ii) Crowd management.

- (iii) Protection of luggage.
- (iv) Protection of railway property.

4.8.13.6.2 General:

- (i) RPF personnel should respond to any call for assistance to rescue victims and transport them to the nearest hospital.
- (ii) 3 – hourly bulletin will be updated by field personnel at the scene of incident to the RPF functionary in the UCC giving the latest situation.
- (iii) RPF Assistance Post will be established within the CAC so that people needing help can approach RPF.

4.8.13.7 ELECTRICAL DEPARTMENT:

On receipt of Information: Sr. DEE(P), AEE (P) Sr. DEE/TRD as well as AEE/TRD should proceed to site of accident.

PCEE and CEDE and other JAG officers from Head Quarters will proceed to accident site.

If EMU/DMU/MEMU or Electrical Locomotive is involved, Sr DEE (TRO) should proceed to the site with adequate number of breakdown staff by quickest available means. (Call the relief train, if required)

- (i) DEE(P) and DEE/TRD will be available in Divisional Control Office for providing backup support.
- (ii) Maximum number of electrical staff should be sent by the 2nd and 3rd special trains for installation and operation of electrical equipment.
- (iii) Officers staying back in divisional headquarters shall maintain constant liaison with site and arrange assistance required by way of men and material from Railway sources within the division, from adjoining divisions and zones and from Non-Railway sources within the division.

4.8.13.7.1 Duties of Electrical Department on Arrival at site:

Proper switching off of the OHE and earthing etc. shall be ensured. For discharging the dual responsibility of providing illumination at site and managing the OHE, 2 separate units will be formed at each end of the accident site consisting of Electric Power branch officers & staff and TRD officers & staff.

Once 4 ARMEs, 2 ARTs and 2 BD specials have arrived at the accident site from both ends, normally no more electrical equipment will be required from anywhere else. The main work will then consist of using of these resources effectively and efficiently.

Different teams and groups will be formed for discharging various duties of the Electrical Department. Each team should consist of 4-6 members and each group should consist of 3-5 teams, depending upon requirement.

4.8.13.8 SIGNAL & TELECOMMUNICATION DEPARTMENT:

On receipt of Information Sr. DSTE as well as ASTEs should proceed to site of accident. DSTE will be available in Divisional Control Office for providing backup support.

PCSTE along with HODs and other JAG officers from Head quarter will proceed to accident site.

- (i) Main responsibility of the S & T Department will be for providing effective and adequate means of communication.
- (ii) Rushing of men and material to site.
- (iii) Arrangement of communication at site and transmission of data including video from site.
- (iv) Communication at Headquarters and Divisional Emergency Cell.
- (v) Communication at Helpline Enquiry Booths.

4.8.13.8.1 Duties of Signal & Telecommunication Department at accident site:

Duties of the S & T department consist of providing sufficient and reliable means of communication and transmission of data including video, at the accident site and other work centres.

AS per Railway Board letter no. 2021/Safety(DM)/6/14/DMP dated 15.04.2024, in case of an accident the Telecom In-Charge of concerned Division shall make Video Conferencing arrangement at accident site by utilising Smart Phones & accessories as per the latest instructions, as the first line of response for video communication. The VC link shall be got generated by the concerned Telecom In-Charge of the Division and shared with Railway Board and Zonal Head Quarters (if required) for showing the live feed of the accident site.

For utilising Drone services at accident site, based on local site condition, Divisional authority is competent for taking decision. Hiring of drone services should be as per latest guidelines.

Further, for communication with Railway Board officials at war room, following numbers have been provided in disaster management room/war room:

Contact Details	Mobile number
Landline no.	011- 47844634
Airtel CUG Number	9560081984 (available during exigencies)

4.8.13.8.2 Numbers to be provided:

- (i) Satellite telephones - 5 to be provided. 2 in UCC, 1 in CAC, 2 for passengers.
- (ii) BSNL telephones - 2 in UCC, 3 in CAC and 1 in each hospital.
- (iii) Mobiles - as many as can be arranged in UCC and CAC. In addition to above at least 2 in each hospital.

- (iv) Walkie - Talkie sets - each functionary should be covered.
- (v) One 25W VHF set shall also be provided in UCC.
- (vi) One 25W VHF set shall be installed in a road vehicle so that mobile communication can be set up, up to a range of about 15-20 Kms.
- (vii) Railway telephones - each functionary in UCC, CAC and LCCs should be covered.
- (viii) In RE area emergency sockets will be utilised for extending communication to the accident site and in non-RE areas where 6 Quad cables is available the same will be utilised for providing communication.
- (ix) PA system - at UCC, CAC and LCCs.
- (x) Setting up of V-Sat equipment for transmission of live video from the site, arrangement of drone cameras etc.

4.8.13.8.3 Public Address System:

- (i) PA systems should be provided in UCC, CAC and LCCs.
- (ii) These are also to be provided for communicating with passengers and for giving directions to railway staff. For this purpose, additional PA systems may become necessary depending upon the requirements at accident site.
- (iii) Mega mikes available in ART will also be utilised for twin purpose.
- (iv) Volume of PA systems in UCC, CAC and LCCs should be so adjusted that announcements made over one of them reaches only those areas which are under its jurisdiction. It should not interfere with announcements being made by other PA systems.

4.8.13.8.4 Other Accessories:

- (i) Ensure availability of adequate copies of Disaster Management telephone directory containing important telephone numbers.
- (ii) Adequate number of Mobile Battery Chargers should be provided in UCC, CAC and LCCs along with number of spare batteries.

4.8.13.9. ENGINEERING DEPARTMENT

On Receipt of information: Sr. DEN/DEN concerned will proceed to the site of accident by ARME. In the absence of Sr. DEN(HQ), the next senior most Sr. DEN/DEN of the division will proceed along with the concerned DEN. In the absence of Sr. DEN/DEN of the section, Sr. DEN/DEN of the adjoining section will proceed by ARME.

PCE along with HODs and other JAG officers from Head quarter will proceed to accident site. It is expected that ADEN and Permanent Way Inspector of the Section would have already reached the accident site before arrival of ARME. In case, where the Permanent Way Inspector and ADEN are based at divisional headquarter, they should move along with staff by ART. At least, 2 SSE/Works and 1 SSE/Bridge should move along with their staff by the ART.

4.8.13.9.1 Rushing men and material to accident site:

- (i) 1000 nos. of workmen are required to reach the site of the accident. The Division shall arrange 500 nos. along with 10 PWIs and 10 Black Smiths. For this purpose, labour specials will be run from the specified destination as decided by the Divisional Emergency Control.
- (ii) ½ KM of rails, sleepers and fittings and one set of 1 in 12 and 1 in 8 ½ turnouts are available in the ART. The mechanical and Operating Departments will ensure that part 'C' of ART (consisting of additional Engineering Material Wagons) shall follow the ART. The additional half km. of matching materials and one set of 1 in 8 ½ and 1 in 12 turnouts shall be kept in the Track Depot of the Division. For loading of this material, 2 BFRs and 2 BCX wagons should be immediately placed in the Track Depot. This material should be loaded within 3 hours and dispatched to the site of accident. This will be ensured by the SSE (P.Way) Track Depot and Divisional Engineering Control.
- (iii) At least two nos. of JCBs available with the ballast depot contractor shall be immediately moved.
- (iv) Sr. DEN/DEN in Divisional Emergency Control will request concerned authority (Army/State Govt. Department) for bulldozer/earthmoving machine in the area.

4.8.13.9.2 Duties of Engineering Department at the site:

- (i) AEN/SSE (P. Way /Bridge) shall collect men, rescue tools and arrive at site by fastest means possible.
- (ii) Setup UCC, CAC and LCCs at the accident site.
- (iii) Assist medical/Mechanical Department in rescue work.
- (iv) If necessary, contact Army/Navy/Air Base and collect required personnel like Divers for rescue operation.
- (v) If necessary, hire Private Road Cranes, Bulldozers, Earth movers etc.
- (vi) 2 Engineering specials, one from each end, carrying engineering material and Gangmen from the section.
- (vii) Additional requirement of track materials, if any, should be called for immediately from other railway sources within the division, well in time.
- (viii) In case divisional sources are inadequate, then sources from other divisions should be tapped.
- (ix) 500 additional workmen are required who are to be moved from adjoining divisions/zones.
- (x) Each such division sending assistance should move 250 men along with 5 artisans and 5 PWIs.
- (xi) One DEN and one AEN each should also move to the site of accident from each such division.
- (xii) Plan for co-ordinated working and movement of track machine for quick restoration in consultation with TRD and operating officials.

4.8.13.10 INFORMATION TECHNOLOGY (IT) DEPARTMENT:

The following should be arranged by Sr. EDPM/EDPM in HQ:-

- (i) Disaster Management Cell, which will be used as Headquarters' Emergency Cell, should be provided with additional PCs and should be connected to Rail net and the E-Mail addresses already configured into them should be activated.
- (ii) Similarly, additional PCs in divisional control office nominated for being used in Divisional Emergency Cell should also be shifted and should be connected to Rail net and the E-mail addresses already configured into them should be activated.
- (iii) PCs in various Helpline Enquiry Booths at different stations should all be made functional, connected to Rail net and made ready for receiving and sending E-mails.
- (vi) Sr. EDPM in association with PRO should upload below information on to Western Railway's Website wr.indianrailways.gov.in as quickly as possible:
 - List of injured and deceased passengers.
 - Names of stations where Helpline Enquiry Booths have been opened along with their telephone numbers.
 - Accident details would include, number of injured passengers rescued.
 - Break up of type of injuries, such as grievous, simple etc.
 - Disposal of injured passengers in various hospitals.
 - Names of injured passengers - coach wise.
 - Number of dead bodies recovered.
 - Number of dead bodies identified.
 - Names of deceased passengers.
 - Details of diverted, regulated/short terminated, cancelled/ rescheduled trains.
 - Details of Passenger special trains for passengers to be run: (a) front portion of accident involved train. (b) rear portion of accident involved train. And (c) Relatives special from the originating and terminating station of the accident involved train.

4.8.13.11 ACCOUNTS DEPARTMENT:

- (i) Making available sufficient amount of cash for meeting emergent expenses, spot purchases, if necessary.
- (ii) Opening of current account in a local bank and getting permission for over draft facilities so that large amount of cash is not required to be carried from far off stations.
- (iii) Issue of cheques for making of enhanced ex - gratia payment, if so announced at accident site by Honourable MR.
- (iv) Deputing Accounts officer and section officer as required for any spot tenders and such processes to be done at site/in the field.

4.8.13.12 PERSONNEL DEPARTMENT:

- (i) Sr. DPO shall proceed to accident site along with all WLIs.

- (ii) Assist Doctors in collecting details of injured/dead and shifting them to hospital.
- (iii) WLIs shall be available round the clock in shift duty to look after the welfare of injured persons in each hospital.
- (iv) Issue complimentary return journey passes to relatives for escorting injured and taking them back home.
- (v) Man, Personnel Department counters in CAC and discharge duties listed out for those counters.

4.9 DISASTER RESPONSE – HEAD QUARTER & DIVISIONAL EMERGENCY CELLS

4.9.1. Setting of Divisional Emergency Cells: Divisional Emergency Cell shall be opened immediately after receipt of information of the accident at Divisional Control Office. This unit will exercise control, co-ordinate and arrange supplementary assistance to the accident site. It shall function in a separate cubicle at Divisional Control Office provided with centralised communication networks, hot line to the site and Headquarter.

4.9.2. Setting of Headquarter Emergency Cell:

- (i) Headquarters' Emergency Cell shall be opened immediately after receipt of information of the accident at HQ office.
- (ii) This unit will exercise control, co-ordinate and arrange supplementary assistance to the accident site.
- (iii) It shall function from a Disaster Management cell Ground floor General Managers Office Building- Churchgate Western Railway HQ and will be provided with centralised communication network.
- (iv) CFTM will be overall in-charge of the Headquarters' Emergency Cell and will function as Chief Emergency Officer for the purpose of managing relief and restoration operations from HQ level.
- (vi) In case CFTM is not available, Dy.COM/Goods will be Chief Emergency Officer.
- (vii) In case both officers are not available, any other officer nominated by PCOM will take over charge.
- (viii) Requirements of all departments for movement of men and materials to the accident site from adjoining zones and divisions shall be conveyed to the Chief Emergency Officer, who shall arrange their movement.
- (ix) Headquarters' Emergency Cell will maintain:
 - Telephone and FAX numbers, functionary wise available in UCC.
 - Telephone and FAX numbers, functionary wise available in CAC.
 - Telephone and FAX numbers of Helpline Enquiry Booths at various stations on adjoining zones.
 - Names and phone numbers of hospitals where injured have been admitted/ shifted along with number of patients.
- (x) Headquarters' Emergency Cell will collect updated information regarding all aspects of the accident and pass on the information to:
 - Emergency Cells opened on other divisions of WR.
 - Emergency Cells opened on originating and terminating Zonal Railway.
 - Safety Directorate's Emergency Cell in Railway Board.
- (xi) Headquarters' Emergency Cell will monitor movement of ARMEs/ARTs etc. coming from adjoining Zones/divisions.
- (xii) Assistance from Defence, Para military establishments, State Govt. should be coordinated by Headquarters' Emergency Cell as and when required.
- (xiii) Chief Emergency Officer on duty shall chronologically record all information and instructions

received or given in a logbook.

- (xiv) Chief Emergency Officer shall monitor various important media channels to keep track of media reporting. Suitable corrections/clarifications may also be issued, if required.
- (xv) After relief, rescue and restoration work is completed, winding up of all Emergency Cells on WR shall be decided by PCOM.

4.9.3. Manning of Divisional/Headquarters' Emergency Cell:

- (i) Divisional/Headquarters' Emergency Cell shall be manned round the clock by officers.
- (ii) In addition to officers of the Operating Department, there will be officers of Engineering, Mechanical, S&T, Electrical, Commercial, Medical, Security, Safety and Personnel departments in the Divisional/Headquarters' Emergency Cell round the clock.
- (iii) Divisional Emergency Cell will be manned by Senior Scale/Junior Scale officers of all departments in 12 hours shift duties round the clock (8 hours to 20 hours day shift and 20 hours to 8 hours night shift).
- (iv) Headquarters' Emergency Cell will be manned by JA grade/Senior Scale officers of all departments in 12 hours shift duties round the clock.
- (v) Senior most officer of each department who is available in the Division/ Headquarters' shall be on duty in the Divisional/Headquarters' Emergency Cell during the day shift only. (8 hrs. to 20 hrs.)
- (vi) Senior most officer of each department shall issue a 12 hours roster for his own department for the night shift. (20 hrs. to 8 hrs.)
- (vii) Round the clock roster of 12 hours shift duty should cover both officers and supervisors.
- (viii) Same officers and supervisors should be repeated each day without any change or rotation, for the next 4-5 days. This will maintain continuity and will ensure that experience gained on the first day can be gainfully used on subsequent days.

4.9.4. Video communication from Accident Site

(As per Railway Board letter no. 2021/Safety(DM)/6/14/DMP dated 15.04.2024)

In case of an accident the Telecom In-Charge of concerned Division shall make Video Conferencing arrangement at accident site by utilising Smart Phones & accessories as per the latest Instructions, as the first line of response for video communication. The VC link shall be got generated by the concerned Telecom In-Charge of the Division and shared with Railway Board and Zonal Head Quarters (if required) for showing the live feed of the accident site.

For utilising Drone services at accident site, based on local site condition, Divisional authority is competent for taking decision. Hiring of drone services should be as per latest guidelines.

Further, for communication with Railway Board officials at war room, following numbers have been provided in disaster management room/War room:

Contact Details	Mobile number
Landline no.	011- 47844634
Airtel CUG Number	9560081984 (available during exigencies)

4.9.5. Duties of Divisional/ Headquarters' Emergency Cell:

The Main Duty of these Emergency cells will be rushing relief & rescue trains in the affected section, Evacuation of Injured passengers & taking care of them. After which their main focus will be on running of Special trains. The duties of these Emergency Cells are listed out here. However, detailed duties are available in the Divisional Disaster Management plans.

4.9.5.1. Rushing of SPARTs/SPARMEs/ARMEs & ARTs to accident site: After ARMEs and ARTs have been ordered, PCR should locate diesel powers for these ARMEs and ARTs. First available diesel powers should be nominated, even by temporarily detaching from a Mail/Express train on run, if necessary.

4.9.5.2. Movement of Passenger Trains: The moment information is received about the accident, all Mail/Express trains on run towards the accident involved section should be stopped. They should not be advanced beyond the last junction from where they can be diverted. They should be regulated at convenient stations before a decision is taken regarding their further movement.

4.9.5.3. Running of Special trains:

Following special trains will be required to be run in the order of priority as below. Any change in priority shall be with the consent of GM/DRM in view of the dynamic circumstances:

- (i) ARME
- (ii) ARME from the other end.
- (iii) Two additional ARMEs from adjoining divisions, one from each end.
- (iv) ART.
- (v) ART from the other end.
- (vi) Two additional BD Specials one from each end.
- (vii) Special train carrying GM and other officers from Headquarter/ Division.

4.9.5.4. Sequence of Movement of ARMEs/SPARME & ARTs/ SPART into the accident affected block section:

The sequence of sending and taking out various trains into and out of the accident affected block section should be planned carefully. Except for 140T cranes and Engineering specials, all other trains should be sent into the block section with engine leading so that they can reach faster.

After the 1st pair of ARMEs reaches adjacent stations from either side, they should be sent into the block section, one from each end. BD specials without cranes that have arrived should be pushed into the block section after the ARME so that additional cutters, spreaders, hydraulic jacks etc. can be made use of.

4.9.6. Liaison with Railway Board:

Headquarters' Emergency Cell will maintain constant liaison with Safety Directorate's Emergency Cell in Railway Board regarding following activities:

- 1) Movement of additional ARMEs and ARTs from adjoining zones.

- 2) Movement of additional diesel powers from adjoining zones.
- 3) Diversion, Regulation, Short termination, Cancellation and Rescheduling of Mail/ Express trains.
- 4) Arrangement of men and material as required from adjoining zones and their expeditious movement.
- 5) Opening of Helpline Enquiry Booths on other Zonal Railways at:
 - Originating and destination stations of the accident involved train.
 - All junction stations falling on the route of the train.
 - Divisional Headquarter of originating and terminating divisions.
 - Zonal Headquarter of originating and terminating Zonal Railway.
 - Any other station as may be decided.
- 6) Movement program for visit of MR/MOSR, CRB & CEO, other Board Members and DGs to the accident site.
- 7) Assistance required from Defence, Para military organisation, State Govt. should be conveyed to Railway Board who shall coordinate the same.
- 8) 3 hourly progress report on the rescue and relief work shall be communicated to Safety Directorate's Emergency Cell in Railway Board.

4.10 DISASTER RESPONSE – ASSISTANCE FROM ADJOINING DIVISIONS/ZONES:

4.10.1 Necessity of assistance from adjoining Divisions/Zones:

- (i) No division can be equipped to handle a disaster of such a large magnitude like Firozabad or Gaisal.
- (ii) Assistance has to be sought from adjoining Divisions/Zones.
- (iii) A division is normally expected to handle an accident of the magnitude involving up to 50 injuries (Grievous). Threshold levels have been given in terms of injuries, because initially it is difficult to estimate number of casualties.
- (iv) Whenever number of injuries is estimated to go beyond 50, assistance should be sought for from adjoining Divisions/Zones.
- (v) This is to be co-ordinate by the Chief Emergency Officer in Head Quarter's Emergency Cell.

4.10.2. Assessment of assistance from adjoining Divisions/Zones:

- (i) DRM after reaching accident site should make an immediate assessment of likely injuries.
- (ii) Quick assessment is an absolute must in order to ensure that assistance from adjoining divisions can be rushed at the shortest possible time.
- (iii) Assessment made by DRM should be based on number of coaches involved.
- (iv) As a thumb rule, for each coach that has capsized, 30 injuries should be estimated.
- (v) Total injuries estimated would be (no. of coaches) x 30.
- (vi) This should be conveyed to Sr. DOM in Divisional Emergency Cell and Chief Emergency Officer in Head Quarter's Emergency Cell.
- (vii) Based on the above figures, decision should be taken and assistance rushed from adjoining division and zones.

4.10.3. Scale of assistance from adjoining Divisions/Zones:

- (i) As a thumb rule, assistance of 1 team should be sought from adjoining division for every 50 additional injuries, beyond 50 injuries.
- (ii) In case of all disasters, following should be used as an approximate guideline for deciding level of assistance required:

●	Threshold level	100 > Injuries > 50	200 > Injuries > 100
●	No. of teams	1 team	3 teams
●	ARMES	2	2 + 2
●	140 T Crane	2	2 + 2 (Break Down)

(iii) Complement of staff in each team sent by adjoining divisions/zones given below:

● Doctors	5
● Para-medical Staff	10
● Commercial Officers	2
● Commercial Supervisors	10
● Commercial Staff	20
● Personnel Supervisors	5
● Group 'D' Staff	20
● RPF	1 Platoon

4.10.4. Assistance from Defence & Para Military Forces:

As per Disaster Management Act 2005, various Ministries and departments under Government of India, should join hands for mutual assistance in case of Disaster. Assistance from Local Government and Non-Government agencies is invariably required by the Railway Administration for prompt relief and rescue operation in case of Disasters affecting Railways. Assistance of NDRF could be of great help to the Railways in major Railway Disasters.

Assistance should be sought from the nearest army & Para - military establishments.

- (i) Railway staff, no matter how dedicated and loyal, are not experts in extricating dead bodies, handling injured passengers, their evacuation etc.
- (ii) Army has the necessary expertise and are trained and equipped to handle such a war-like situation.
- (iii) Therefore, divisional/Zonal headquarters should get in touch with the nearest NDRF commandant and request for necessary assistance. As per Board's letter No.2003/ Safety (DM)/6/3 dated 05.08.2010.
- (iv) Select telephone numbers of Army and Para - military establishments are given in Zonal Disaster Management Plan Part-II.
- (v) Additional telephone numbers are given in the Divisional DM plan.

4.11 SITE MANAGEMENT PLAN:

There are 2 aspects of Disaster Management work at an accident site. Firstly, rescue, relief and restoration operation, which is carried out by one set of functionaries. Second aspect pertains to rehabilitation of accident involved passengers, taking care of dead bodies, dealing with their relatives etc. for which a different set of functionaries are required. For managing these 2 distinct aspects of DM work that are required to be discharged by railways, two separate establishments should be set up at an accident site. The outline schematic plan of accident site is given at **Annexure – 1**.

4.11.1. Unified Command Centre (UCC):

- (i) Unified Command Centre (UCC) should be set up at the accident site.
- (ii) This will be some kind of a control office to be located near the centre of the accident site.
- (iii) This is basically meant for catering to operational needs of railway in rescue, relief and restoration work.
- (iv) Detail schematic plan of UCC is given at **Annexure – 2**. UCC is to be manned by staff of relevant departments such as: Medical, Commercial, Operating, Safety, Security, Public Relations, Mechanical, Electrical, S&T and Civil.
- (vi) UCC will be provided with all facilities similar to a control office.
- (vii) Adequate lighting with generator backup should be provided in the UCC.
- (viii) Adequate number of telephonic links to Divisional Emergency Cell and Headquarters. Emergency Cell should be provided. Preferably each department in the UCC should be given an independent telephone.
- (ix) Satellite telephone should be installed in the UCC.
- (x) UCC should be provided with FAX, loudspeakers, P.A. system with conference facility for press briefing to be arranged by S&T Dept. Mech. Dept. should arrange photocopier and PCs. in coordination with Sr. EDPM.
- (xi) PC/Laptop should be connected to Internet for E-mailing of details update to all concerned, including Divisional Emergency Cell, Headquarters' Emergency Cell and Helpline Enquiry Booths.
- (xii) A big banner displaying 'UNIFIED COMMAND CENTER' should be put up at a prominent place at the entry to the shamiana.
- (xiii) Similarly, there should be sufficient number of signage's indicating the way to UCC on approach roads etc.
- (xiv) UCC at the site will be manned by Sr. Supervisors on round the clock basis in 12 Hrs. shift duty.
- (xv) Officers will not be permanently stationed in UCC. They will move about the entire accident site supervising and monitoring working of their department at different activity centres. However, they will keep coming to the UCC off and on and will kept in touch with their departmental functionaries in UCC.
- (xvi) Various functionaries in the UCC will monitor and co-ordinate the working of their departments, and assistance required by them, if any.

- (xvii) Each functionary at the UCC will maintain a logbook. Flow of information both incoming and outgoing would be recorded along with the time and names of officers/staff that were given the message.
- (xviii) UCC will basically supervise the working of 2 LCCs and co-ordinate with Divisional and Headquarters' Emergency Cell.
- (xix) Functionaries of different departments in LCCs should provide updated information regarding progress of work to their counterparts in UCC.
- (xx) This updated information should be updated periodically at least once in every 3 hours or as per the demands of the situation.

4.11.2. Local Command Centres (LCC):

- (i) Depending on the spread of the accident site, Local Command Centres (LCC) on the same pattern as the UCC should be setup.
- (ii) If the site is spread out over 300-400 metres 2 LCCs should be setup.
- (iii) Detail schematic plan of LCCs would be similar to that of UCCs as given at **Annexure -2.**
- (iv) Representatives of same departments as in UCC should be present in LCCs also. However, they should be either one or at most 2 men per department.
- (v) LCCs will serve as co-ordination centres for various teams that are working spread out over different geographical locations.
- (vi) Each LCC will oversee the working of DM teams at each end of the accident site.
- (vii) Jurisdiction of each LCC will extend to all men and materials belonging to 2 ARMEs, BD special and 1 ART at that end of the accident site.
- (viii) One SAG officer of Mechanical department will be overall in charge of each LCC.
- (ix) LCCs should be provided with loudspeakers for making announcements.
- (x) LCCs should be provided with direct telephone links to UCC.
- (xi) However, LCCs should not be provided with telephone links to either Divisional Emergency Cell or Headquarters' Emergency Cell. This will ensure that there is minimum telephonic disturbance from outside to teams, which are actually working at the accident site. It will also ensure that outflow of information from accident site goes out from UCC only.
- (xii) Members of different teams of each department working at the accident site in rescue, relief and restoration work should provide updated information regarding progress of work to their respective functionaries at the LCC.
- (xii) This updated information should be updated periodically at least once in every 3 hours or as per the demands of the situation.

4.11.3. Combined Assistance Centre (CAC):**4.11.3.1 Need for setting up of Combined Assistance Centre:**

- (i) Relatives of passengers who arrive at an accident site are already traumatized by the tragedy.
- (ii) They arrive at an unknown location with no place to stay, no friend or acquaintances and not knowing whom to turn to.
- (iii) The problem is made even more challenging since many relatives and next of kin come from far-flung areas in some other state.
- (iv) Being semi – literate and from different parts of the country some of them are not even familiar with the local language. For them even communicating becomes a problem.
- (v) In addition to above, complex legal formalities & multiplicity of paper work is required to be completed before dead bodies are handed over to their next of kin.
- (vi) For taking care of relatives of passengers, providing them with succour in their hour of agony and for guiding them sympathetically, some kind of an assistance centre is required.

4.11.3.2 Formalities required to be completed by relatives of passengers:**4.11.3.2.1 Sequence of formalities that are required to be completed by relatives of injured passengers includes:**

- (i) Locating the name of the passenger on reservation charts, in case passenger was travelling in reserved accommodation.
- (ii) Going through the list of injured and dead passengers to find out whether the name appears.
- (iii) In case the name is not available in the list, then taking a round of different hospitals to find out whether their relative has been admitted in one of them in an unconscious state.
- (iv) Hospitals are generally at separate locations, sometimes even in different towns; and commuting becomes a problem.
- (v) In case the passenger can be located in one of the hospitals, they have to find out the severity of injuries, likely period of hospitalisation, etc.
- (vi) Collect the ex - gratia paid by railways.
- (vii) Try and locate missing luggage of the injured passenger. For this they have to take a round of the building where all unclaimed luggage have been kept.
- (viii) Next, they have to arrange for a place for them to stay.
- (ix) Arrange for medicines/diet etc. and payment of hospital bills, if required.
- (x) Thereafter, they have to keep in touch with the hospital and get their relative released.

4.11.3.2.2 Additional formalities that are required to be completed by next of kin of dead passengers include:

- (i) In case the passenger could not be located in any of the hospitals, then they have to go to the

- building where unidentified dead bodies have been kept.
- (ii) Take a round of various rooms where bodies have been kept, examine each body and try and locate their near and dear one.
 - (iii) Identify the dead body, if the same has been extricated by then.
 - (iv) Otherwise wait for all bodies to be extricated and try and identify their relative.
 - (v) In case they fail to identify the same then they have to go through photographs of unidentified bodies taken at site.
 - (vi) After the body is finally identified, they have to produce proof of relationship for railways to entertain their claim.
 - (vii) Obtain medical death certificate from the railway doctor.
 - (viii) Obtain post mortem report, from the Govt. Doctor who has performed post mortem on the body.
 - (ix) Obtain official death certificate from the local municipality.
 - (x) Accept of ex - gratia payment from railways.
 - (xi) Collect forms for lodging claim for compensation in RCTs.
 - (xii) Take over custody of dead body from the local police.
 - (xiii) Perform last rites at the same place or take back the body to their native place, depending on circumstances.
 - (xiv) Make arrangements for their return journey back to their native place.

4.11.4 Problems encountered by relatives:

- (i) Each of these formalities are under the jurisdiction of a different agency, either railway or police or civil administration or local administration.
- (ii) In such a situation the level of co-ordination between these various agencies leaves much to be desired.
- (iii) Sometimes it even takes up to 48 hours before these entire documentary formalities can be completed.
- (iv) In most cases relatives have to run from pillar to post for completing all these formalities and the bitter experience leaves them permanently antagonised towards railways.
- (v) For this purpose a single window clearance system should be available for relatives and next of kin.

4.11.5 Combined Assistance Centre (CAC):

- (i) The UCC should have a Combined Assistance Centre (CAC) located towards the rear side, away from the track, for rendering help to passengers and their relatives. Outline schematic plan of UCC/CAC is given at **Annexure-1.**
- (ii) This is basically meant for catering to requirements of passengers and their relatives/next of kin, and for providing a single window clearance for all types of formalities.
- (iii) Combined Assistance Centre (CAC) should be separate from the UCC so that it does not interfere with normal rescue and relief work.
- (iv) Detail schematic plan of CAC is given at **Annexure- 3.**

- (v) CAC will be manned by staff of relevant departments such as: Operating, Medical, Commercial, Security and Personnel.
- (vi) There should be only one such CAC, and all railway resources should be pooled into it.
- (vii) LCCs should not have any small CAC located in the rear. It is likely to create logistic problems.
- (viii) A big banner displaying 'COMBINED ASSISTANCE CENTRE' should be put up at a prominent place at the entry to the shamiana.
- (ix) Similarly, there should be sufficient number of signage's indicating the way to CAC on approach roads etc.
- (x) Railway staff fluent in the language of relatives should be posted for doing work of interpreters.
- (xi) Post mortem formalities should be waived off so that one reduces number of formalities.
- (xii) Different counters should be provided in sequence for each of these formalities, so that the entire exercise can be completed in about an hour.
- (xiii) Functionary concerned from the local Municipality who issues Official Death Certificate should be made to come and sit in the CAC so that these certificates can be issued immediately without any delay.
- (xiv) CAC should have different counters for various purposes in following sequence:
 - (a) Reservation Chart for locating the name.
 - (b) List of dead and injured along with name of hospital. The name of the passenger involved should be checked up from the list of dead or injured if available, and their current status informed.
 - (c) Counter for providing commercial supervisor or WLI as escort along with a vehicle, for accompanying the relative and going to hospital or mortuary.
 - (d) Railway doctor for issue of Medical Death Certificate.
 - (e) Govt. Doctor for issue of Post Mortem Certificate, in case the same is necessary.
 - (f) Municipality official for issue of Official Death Certificate.
 - (g) Local police for issue of authority for handing over of dead body.
 - (h) Claims counter - payment of ex-gratia and issue of Claims Compensation form.
 - (i) Counter for helping performance of last rites in case relatives decided to cremate the body there itself.
 - (j) Pass counter for issue of return journey pass.
 - (k) Return journey facilitation counter for making arrangements for return journey.
- (xv) CAC will provide updated information to UCC, initially once every half an hour and later once every hour.

4.11.6. First Aid Posts:

- (i) Medical Posts should be provided in both UCC and CAC.
- (ii) Medical Post in UCC will provide first aid to injured passengers after extrication, assess their injuries and make arrangements for sending them to nearby hospitals.
- (iii) Medical Post in CAC will keep all records of injured and dead passengers, names of hospitals where they have been admitted etc.
- (iv) First Aid posts should be provided in LCCs.

- (v) This will be meant for treating passengers and classifying their injuries before they are sent for admission to various hospitals.

4.11.7. Setting up of UCC, LCC and CAC:

- (i) One SSE/Works shall be exclusively responsible for setting up of these facilities. He shall undertake the following:
 - Move along with sufficient staff for setting up of these facilities.
 - Immediately start setting up of the tentage accommodation after taking out tents and shamianas provided in ARTs.
 - In addition, he should also requisition agencies, which provide tentage accommodation on contract. Details of such agencies have been given in Divisional Disaster Management Plan.
- (ii) Bridge Line staff will assist in setting up tentage and above-mentioned facilities. Dy. CE/Bridge will also move to the site and in case, bridge is not involved, he will take full charge of tentage arrangements.
- (iii) Bridge Unit will take with them sufficient Manila ropes, wire ropes, survey instruments, binoculars, helmets, life jackets, ladders and other equipment. Nylon ropes should be sufficient in length to ensure barricading at sites and camping areas.
- (iv) Sufficient facilities for erecting temporary stage/scaffolding etc. should also be organised, if required at site.
- (v) Few temporary toilets should be provided at one location in addition to number of urinals at 3 or 4 places.
- (vi) Water Tankers will be ordered for supplying water at site and arrangements shall also be made for drinking water.
- (vii) Temporary kitchen in tents/shamianas is to be setup so that catering unit or IRCTC can provide cooked food to staff working at accident site.
- (viii) About 100 folding chairs should also be arranged.
- (ix) Bridge Line staff will have list of divers who in case of emergency can be hired for rescue or restoration operations wherever site is surrounded by deep water.
- (x) Signage's for both UCC and CAC should be provided at prominent locations.

4.11.8. Collection and Dissemination of Information – Channel of Communication:

The following would be the responsibility and channel both for collection as also dissemination of information. Before each shift goes off duty, details of work done should be updated in the LCC.

The LCC should in turn update the UCC regarding the latest progress. This updated information would be conveyed to Divisional Emergency Cell every 3 hours or as per the situation demands.

4.11.8.1 Number of dead and injured – Medical Department:

- (i) Medical department at site should confirm the number of dead.
- (ii) Doctors in charge of various teams working on different coaches should give 3 hours or lesser periodic reports to Medical counter in LCC who in turn will inform UCC.
- (iii) Number of injured passengers.
- (iv) Type of injuries, whether grievous, minor or trivial.
- (v) Names of injured, and names of various hospitals where injured have been sent.

4.11.8.2 Identification of dead bodies – Commercial Department:

- (i) Ex - gratia paid to injured.
- (ii) Number of dead bodies identified.
- (iii) Ex - gratia paid to dead.
- (iv) No. of bodies handed over to relatives.

4.11.8.3 Number of coaches dealt with – Mechanical Department:

- (i) No. of coaches thoroughly searched.
- (ii) No. of coaches made off track.
- (iii) No. of coaches yet to be dealt with.
- (iv) Time required for restoring track for traffic use.

4.12 PASSENGER CARE:

The most important function after a railway accident is taking care of the passengers. It begins with evacuation of injured passengers and rushing them to hospitals, the basic functions of passenger care are listed below. The detailed duties under each function are elaborated in the Divisional Disaster Management Plans.

4.12.1 Evacuation of Passengers: The primary function of railways in case of an accident will be evacuation of injured passengers and rushing them to hospitals. This duty is primarily done by Instant action team and First Responders- Railway Staff & Local People before the arrival of SPARTs/SPARMEs/ARMEs & ARTs.

4.12.2 Hospitalisation of the injured: General policy in case of railway accidents in which casualties occur is that of rapid evacuation to railway/ Government/ Private hospital after rendering immediate and necessary first-aid treatment.

4.12.3 Catering Arrangements: Arrangements for supply of meals, drinking water, tea, coffee etc., not only to the injured passengers & their relatives but also to passengers of the other affected train/trains should be swiftly organized. Similar catering arrangements should also be made for the labour & staff working at the affected site.

Commercial officers and supervisors should be assigned to talk to injured to ascertain from them whether they wish to call relatives.

4.12.4. Facilities to be made available in hospital: A reception counter with a chart (ward, name, bed no, coach number of patient) should be manned by commercial supervisor/WLI at the hospital for dealing with patient's relatives. Doctors / Medical staff should be in contact with the concerned hospitals regarding the well-being of the injured passengers along with visiting the hospitals.

4.12.5. Communication: STD equipped telephone/spare mobile phones should be made available to passengers to communicate with their relatives.

4.12.6. Taking care of relatives: A hired vehicle should be provided relatives of affected passenger for carrying them to various hospitals and mortuary. The commercial supervisor or WLI should stay with the relative until he has been able to either find the injured passenger or identify the dead body. Free passes can also be given to the relatives.

4.12.7 Single window clearance:

- (i) Combined Assistance Centre CAC should have provision of single window clearance for all legal formalities & multiplicity of paper work.
- (ii) Counters provided in CAC should have facilities for following items in the given sequence as

indicated in **Annexure – 3:**

- (a) Reservation chart, for locating the name.
- (b) List of dead and injured along with name of hospital. The name of passengers involved should be checked up from the list of dead or injured, if available, and their current status informed.
- (c) Counter for providing commercial supervisor or WLI as escort along with a vehicle, for accompanying the relative and going around to various hospitals or mortuary.
- (d) Railway doctor for issue of Medical Death Certificate.
- (e) Govt. Doctor for issue of Post Mortem Clearance, in case the same is necessary.
- (f) Municipality official for issue of Official Death Certificate.
- (g) Local police for issue of authority for handing over of dead body.
- (h) Claims counter - payment of ex - gratia and issue of Claims Compensation Form.
- (i) Counter for helping performance of last rites in case relatives decide to cremate the body there itself.
- (j) Pass counter for issue of return journey pass.
- (k) Return Journey facilitation counter will make arrangements for return journey.

4.13 MANAGEMENT OF FIRE IN TRAINS

Fire on a running train is more catastrophic than on a static one, because the fanning effect may spread the fire very quickly to other coaches and in panic the passengers may jump out of a running train as it had happened in past train accidents. Under such situation, every railway servant available on the train or at the site shall immediately try and stop the train and plunge into action to save lives and property. The onboard staff should have basic knowledge of fire detection system (FDS) and fire detection & suppression systems (FDSS) installed in the AC coaches, Power cars and pantry cars. Besides this on-board staff should be able to handle/operate fire extinguisher in case of any fire accident.

4.13.1 Main causes of fire in Trains:

- (i) Carrying stoves, sigris, gas cylinders, kerosene oil, petrol, fireworks etc. in passenger compartments.
- (ii) Making fire/using fire near paper, wood, petrol or such other inflammable articles.
- (iii) Lighted match sticks, cigarette ends carelessly thrown.
- (iv) Short circuit in electrical wirings.
- (vii) Use of open fire, smoking near gas/petrol tank.
- (iv) Continuous heating due to brake binding, hot axles, etc.
- (v) Split/ leaking of liquid chemical/fuel.
- (vi) Pantry cars/ Power cars

All railway staff and passengers should take all possible precautions to avoid any of the above mistakes so that possibility of fire breaking out can be minimized. In general fire originates in a small level. When burning materials with adequate supply of air surround it, fire spreads.

Railway personnel have been trained in Firefighting. The events of incidences of fire in daily working which can be faced by any personnel are listed below. The detailed duty list and action to be taken in each case has been listed out in the Divisional Disaster Management Plan.

- In the event of a vehicle on a train being on fire.
- In the event of fire on an Electric engine/EMU.
- In the event of a fire on a Diesel Engine/DMU stock.
- When a person is on fire.
- Fire caused by Petrol or other inflammable liquids, acids or gases.
- In case of fire due to Explosives/Inflammables/Dangerous Goods.

4.13.2 FIRE FIGHTING:

4.13.2.1. Dry chemical powder type fire extinguisher (DCP):

These types are suitable for tackling petroleum, gas, electrical fire and controlling fires of textile fibres. Sodium based chemical powder is used on a fire which undergo chemical reaction.

4.13.2.2. How to Use Dry chemical powder type fire extinguisher (DCP):

- (i) Carry to the place of fire and keep it up right.
- (ii) Remove the safety clip.
- (iii) Strike the knob located in the cap.
- (iv) Sealing disk of the cartridge gets broken and allows carbon dioxide gas to escape to the mainshell and powder is pushed out.
- (v) Direct the stream of the powder at the base of the flame.
- (vi) For effective result stand at about 1.5 to 2.5 metre near the seat of the fire.
- (vii) Move forward with moving the nozzle rapidly from side to side in sweeping motion.
- (viii) When using on outdoor fires operate from the up-wind side for effective spray.

4.13.2.3. Carbon dioxide (CO)₂ type fire extinguisher:

CO₂ fire extinguishers are mainly aimed at electrical fires but are also suitable for Class B liquid fires and are used in different ways depending on the type of fire they are being used on. Do not use CO₂ extinguishers in very small spaces, as there is a risk of asphyxiation.

Only tackle small fires with an extinguisher. If the fire has taken hold do not fight the fire but evacuate immediately and warn others of the fire, then call the fire and rescue service. If you tackle the fire make sure you stay at a safe distance and follow the instructions below.

4.13.2.4. How to Use Carbon dioxide type fire extinguisher:

- (i) Pull the safety pin, this will break the tamper seal.
- (ii) Do not hold the horn, unless it is a frost-free horn, as it becomes extremely cold during use and can lead to severe frost burns.
- (iii) Squeeze the lever to start discharging the extinguisher. Please note that the CO₂ extinguishers make a very strong discharge noise, which is normal.
- (iv) Aiming the extinguisher:
 - **Flammable liquids:** Aim the horn at the base of the fire and move across the area. Be careful not to splash the burning liquid with the powerful jet of the CO₂ extinguisher.
 - **Electrical equipment:** Switch off the power, where safely possible, to prevent later re-ignition and then direct the horn straight at the fire
- (v) Please note that a CO₂ extinguisher only has a very short discharge time.
- (vi) Ensure all the fire has been extinguished as re-ignition is easily possible when a CO₂ extinguisher has been used. CO₂ gas drifts off after use and if the fire is still very hot it might just re-ignite.

4.13.3 Instructions for Fire Detection System (FDS):

- For the immediate detection of any fire in the coach, Fire Detection System (FDS) is provided in the AC coaches. Control panel of the FDS is provided in the Linen Cabin.
- FDS control consists of Flasher light, Strobe light and Alarm Announcement System.
- There are five signals on FDS Control Panel viz. Fault, Alert, Action, Fire-1 and Fire-2.
- In case of fire incident in a Coach first signal will be Alert, then Action, Fire-1, and Fire-2 activate
- In case of any defect in the system, Fault signal will appear.
- When Action Signal is flashed, then find out the reason of fire and douse it.
- If anyone found smoking on board, inform on duty RPF/TTE immediately.
- After clearing the cause of fire/dousing the fire, reset the system by clicking on Reset button on the panel.
- If train does not stop at the instance of Fire-1 signal, stop the train by pulling the Alarm Chain and evacuate the passengers from the train.

4.13.4 Building Evacuation:

When the building fire alarm sounds:

- (i) Immediately evacuate using building emergency plan procedures.
- (ii) Walk to nearest exit/stairwell (close doors behind you)
- (iii) Don't use elevators.
- (iv) Proceed to the designated gathering area outside the building.
- (v) Do not re-enter building until cleared by authority personnel.
- (vi) Assist with evacuation of individuals with special needs.

4.13.5 Suspicious substance in Railway premises:

- (i) Clear and isolate the contaminated area. Do not touch or disturb anything.
- (ii) Call police/fire service/bomb squad.
- (iii) Wash your hands with soap and water.
- (iv) Identify individuals who may have been exposed to the material.
- (v) Do not leave premises until disposed by authority.

4.14 OTHER ACCIDENTS:

4.14.1 Bomb threat/Blast:

Person receiving call regarding bomb threat should:

- (i) Attempt to gain as much information as possible from the caller like type of device, time set, location, reason/purpose of the act, dialect mannerism and identity of the caller.
- (ii) Inform and alert the disaster management team (Bomb detection squad)
- (iii) Alert police, fire brigade and explosive department.
- (iv) Pass on the information to all departments concerned.
- (v) Take initiative for evacuation of all persons from premises.
- (vi) Persons noticing a bomb like object, should bring it to the notice of the nearest available officer.
- (vii) Inform GRP, RPF, and bomb detection squad.
- (viii) Ensure all persons are away from the spot and avoid unnecessary crowding near the area.
- (ix) Inform control to take further steps for regulating train services.
- (x) Wait for clearance from the police department to restore normal working.
- (xi) Utilise "Caller ID" facility if provided to trace the caller.

4.14.2 Radiation Emergency:

4.14.2.1 Personal injury involving radioactive material contamination:

- (i) Render first aid immediately for serious injuries, as trained.
- (ii) Call bomb squad, fire station.
- (iii) If possible, without causing harm to the victim, monitor the injured; remove contaminated clothing and gross personal contamination.

4.14.2.2 Radioactive contamination of personnel:

- (i) Remove and bag all contaminated clothing.
- (ii) Call fire station, bomb squad, and police.
- (iii) Skin contamination should be cleaned using mild soap and tepid water. Use portable survey meter to monitor for remaining contamination. If not free of contamination, re-wash and re-survey.

4.14.2.3 What to do upon receipt of suspicious letter/package:

- (i) Handle with care.
- (ii) Don't shake or bump.
- (iii) Isolate and look for indicators.
- (iv) Don't open, smell or taste.
- (v) Treat it as suspect.
- (vi) Call Police/Fire service/Bomb squad.

4.14.2.4 If parcel is Open and/or Threat is identified:

4.14.2.4.1 For a bomb:

- Evacuate immediately and Call Police/ Fire service/Bomb squad.

4.14.2.4.2 For Radiological:

- Limit exposure- don't handle and Evacuate area.
- Shield yourself from the object and Call Police/ Fire service/Bomb squad

4.14.2.4.3 For Biological or Chemical:

- Isolate - don't handle and Call Police/ Fire service/Bomb squad.
- Wash your hands with soap and water.

4.14.2.5 Tampering of Railway fittings causing accident & placing of foreign particle on track to cause disruption to traffic:

- (i) A staunch vigil should be kept by introduction of special patrolling over the area as and when warranted.
- (ii) Some persons to be trained specially and to be drafted for duty over the area if required.

CHAPTER – 5**STRENGTHENING DISASTER RISK GOVERNANCE****5.1 Background:**

Strengthening disaster risk governance is considered a cornerstone of the efforts to understand, reduce and manage risks in global practices (UNDP 2015). UNDP defines disaster risk governance as follows (UNDP 2013):

“The way in which public authorities, civil servants, media, private sector, and civil society at community, national and regional levels cooperate in order to manage and reduce disaster and climate related risks. This means ensuring that sufficient levels of capacity and resources are made available to prevent, prepare for, manage and recover from disasters. It also entails mechanisms, institutions and processes for citizens to articulate their interests, exercise their legal rights and obligations, and mediate their differences.”

The concept has evolved over the last decade and the current thinking acknowledges that one cannot separate governance of disaster risk from the governance of other types of risks, including those associated with global climate change, environmental degradation, financial crises, and conflict situations (UNDP 2015). From the mid-2000s onwards, governance was commonly accepted as the crux of DRR, with comprehensive efforts underway to increase the DRR capacity of national and local institutions; to strengthen policy, legal and planning frameworks; to develop human and financial capacities; and to promote multi-stakeholder and multi-disciplinary approaches. There is now greater emphasis on accountability, transparency, responsiveness to the needs of those most at risk, and ensuring the rule of law/compliance with legal provisions. These are of crucial importance in disaster risk governance.

5.2 Sendai Framework and Strengthening Disaster Risk Governance:

The Sendai Framework states that disaster risk governance at different levels is of great importance for an effective and efficient management of disaster risk. It also requires clear vision, plans, competence, guidance, and coordination within and across sectors, as well as participation of relevant stakeholders. Strengthening disaster risk governance is necessary to foster collaboration and partnerships for the implementation of disaster risk reduction and sustainable development. The Sendai Framework lays emphasis on the following to strengthen disaster risk governance:

- a) Mainstream and integrate disaster risk reduction within and across all sectors and promote the coherence and development of relevant laws, regulations, and public policies. It must guide both the public and private sectors through the legal framework that clearly spells out the roles and responsibilities. It must address disaster risk in publicly owned, managed, or regulated services

and infrastructures. It must encourage actions by persons, households, communities, and businesses. It has to enhance relevant mechanisms and initiatives for disaster risk transparency. It must put in place coordination and organizational structures.

- b) Adopt and implement disaster risk reduction strategies and plans, across different levels (local to national) and timescales, aimed at preventing the creation of risk, the reduction of existing risk and the strengthening resilience – economic, social, health and environmental.
- c) Carry out assessment of the technical, financial and administrative disaster risk management capacity to deal with the identified risks at different levels
- d) Promote necessary mechanisms and incentives to ensure high levels of compliance with the safety-enhancing provisions of sectorial laws and regulations, including those addressing land use, urban planning, building codes, environment, resource management, health and safety standards, and update them, where needed, for better disaster risk management
- e) Develop and strengthen mechanisms to periodically review and assess the progress on various DM plans as well as encourage institutional debates, including by parliamentarians and relevant officials, on DRR plans.
- f) Assign clear roles and tasks to community representatives within disaster risk management institutions and processes and decision-making through relevant legal frameworks, and undertake comprehensive public and community consultations during the development of such laws and regulations to support their implementation.
- g) Establish and strengthen government coordination forums composed of relevant stake holders at the national and local levels, such as national and local platforms for disaster risk reduction.
- h) Empower local authorities, as appropriate, through regulatory and financial mechanism to work and coordinate with civil society, communities and indigenous people and migrants in disaster risk management at the local level
- i) Work with parliamentarians for disaster risk reduction by developing or amending relevant legislation and setting budget allocations
- j) Promote the development of quality standards, such as certifications and awards for disaster risk management, with the participation of the private sector, civil society, professional associations, scientific organizations and the United Nations
- k) Formulate relevant public policies and laws aimed at addressing issues of prevention or relocation, where possible, of human settlements in disaster risk-prone zones.

5.3 Initiatives taken by Ministry of Railways for strengthening Disaster Risk Governance:

Ministry of Railways has taken a number of initiatives for strengthening Disaster Risk Governance as per Sendai Framework for Disaster Risk Reduction. Some of the important initiatives taken to reduce the accidents and improve safety are as under:

5.3.1 Measures to Improve Safety:

- **Safety Focus** - to reduce accidents caused by human errors, a multi-pronged approach with focus on introduction of newer technologies, mechanization of maintenance, early detection of flaws, etc. to reduce human dependence in the first place, along with upgrading the skills of the human resources were the prime drivers for accident prevention.
- **Periodical Safety Audits** - Periodical Safety Audits of different Divisions by multidisciplinary teams of Zonal Railways as well as Inter-Railway Safety Inspections were conducted on regular basis. During the year 2018, 83 Internal Safety Audits and 29 Inter-Railway Safety Inspections were carried out.
- **Training facilities** - Special emphasis is being laid on training of Railway Officials specially those looking after areas connected with safety. Training was imparted to 1,55,337 (Provisional figures) Non-Gazetted safety staff during 2018-19.

5.3.2 Infrastructural Inputs:

'Rashtriya Rail Sanraksha Kosh (RRSK)' has been introduced in 2017-18 for replacement/renewal/upgradation of critical safety assets, with a corpus of Rs.1 lakh crore over a period of five years, having annual outlay of Rs.20,000 crore. In the first year of its inception, expenditure of Rs.16091 crore was made out of the Fund for safety works. In 2018-19 also, a provision of Rs.20,000 crore was made, against which expenditure of approximately Rs.18,000 crore has been incurred.

The Funds under RRSK are utilised for safety works relating to Traffic Facilities, Rolling Stock, Level Crossings, Road Over/Under Bridges, Track Renewal, Bridge Works, Signal and Telecommunication Works, other Electrical Works, TRD Works, Machinery and Plant, Workshops, Training/HRD, Passenger Amenities and Other Specified Works.

Ministry of Finance has issued 'Guidelines for Operation of Rashtriya Rail Sanraksha Kosh (RRSK)', which inter alia, includes Monitoring Framework for RRSK. It stipulates setting up of Monitoring Committee headed by CEO/NITI Aayog to examine performance. It is also laid down that the progress will be reviewed annually by Cabinet Committee on Economic Affairs headed by Hon'ble Prime Minister.

5.3.3 Measures to avoid Collisions:

To increase efficiency and to enhance safety in train operations, **Advanced Signalling System** with Panel Interlocking/ Route Relay interlocking / Electronic Interlocking (PI/RRI/EI) along with Multi Aspect Colour Light Signals have been progressively provided at 94 % of the interlocked Broad Gauge stations on Indian Railways, replacing the obsolete Multi Cabin Mechanical Signalling System, that involved a large amount of human intervention. **Route Relay Interlocking (RRI)** have been provided on every major yard of Indian Railways for efficient and safe movement of trains.

To avoid collisions technological aids are briefly enumerated below: -

- **Complete Track Circuiting at stations:** - Track Circuit is one of the most important safety aids provided at the stations, which has reduced collisions in station area. A major thrust has been given to track circuiting at stations.
- **Block Proving Axle Counter (BPAC):**- To enhance safety, for automatic verification of complete arrival of train at a station, Block Proving by Axle Counter (BPAC) is being provided at stations having centralized operation of points and signals. Now a days HADAC, which is an improved version of BPAC with dual detection system, or DUAL BPAC is being provided for improved system reliability.
- **Automatic Block Signalling:** - For augmenting Line Capacity and reducing headway on existing High-Density Routes on Indian Railways, Automatic Block Signalling is being provided. This results in track circuiting of large portion of the track which leads to enhanced safety.
- **Automatic Train Protection (ATP) System:** In order to enhance safety in Train operations, Indian Railways has decided to provide Automatic Train Protection (ATP) System like indigenously developed KAVACH. The system will be an aid to Loco Pilot, which will help to eliminate accidents due to Signal Passing at Danger (SPAD) and over speeding, ensure visibility of signals in foggy weather in addition to increasing line capacity.

KAVACH: - Indigenously developed system will be provided on GD/GQ & HDN routes

- **Centralized Traffic Control (CTC) in Indian Railways:** - Centralized Traffic Control is a computer-based system which facilitates the control and management of multiple Signalling installations at various stations from a single location. It also provides a real time simulation of railway traffic in a section at a single location. The CTC operator can directly see the train's locations on an electronic display panel and efficiently control the train's movements by operating signals and points centrally.
- **Train Management System (TMS):**- It is another area of technology upgradation for Centralized Monitoring and Management of Train traffic already functional on Mumbai Suburban section of Western Railway and Central Railway, provides live train movements in the Control Centre.

5.3.4 Measures to Reduce Derailments:

- To improve safety, Indian Railways (IR) has been using Pre-stressed Concrete sleepers (PSC) which are economical and functionally best suited for high speed and heavy density traffic. PSC sleepers are being used for all renewals, new lines, doubling, gauge conversion, etc.
- A new design of wider sleeper has been developed and adopted. The new design is considered to be functionally better than the present design. The wider and heavier sleeper offers higher frame resistance, less stress on ballast and rail pad, improving reliability and maintainability of track.
- Upgradation of Track Structure consisting of pre-stressed Concrete (PSC) sleepers, 60 Kg high strength 90 UTS (90 N/mm² Ultimate Tensile Strength) rails on concrete sleepers, fan shaped layout on PSC sleepers, Steel Channel Sleepers on girder bridges has been adopted on most of the routes.
- Standardization of track structure with 60 Kg Rails and PSC Sleepers: Track structure is being standardized with 60 kg rails and PSC sleepers on all the Broad-Gauge routes, especially on high

- density routes to reduce fatigue of rails under higher axle-load traffic. New track construction and replacement of over-aged tracks is being done by PSC sleepers only.
- **Rail Fracture Detection System** - Rail/weld failures are potential safety hazards. Advanced Railway systems are using the systems, which alerts all concerned in case of failures and train operations are controlled to prevent consequential train accidents. No such system is available on IR. Suitable technology will be developed in association with advanced railway systems for use on IR. A trial of Broken rail detection system on NR & NCR on 25 Kms track length in each has been undertaken. After successful trial, this system will be progressively installed on other important routes.
- **In-motion Weighbridges** - The in-motion weighbridge helps detect overloading in wagons. This reduces fatigue of rail/welds and, therefore, reduces chances of fracture. Installation of in-motion weighbridges is done as and when required as per changes in traffic pattern and emergent requirements and is a continuous process.
- **Long welded rails:** For improving maintenance and better asset reliability, Railways are consistently eliminating fish plated joints on tracks by welding the joints to convert all single rails into long welded rails to the extent possible. During relaying/construction of new lines/gauge conversion also, long welded rails are laid on concrete sleepers to the extent possible. Mobile Flash Butt welding is being done on priority in construction projects.
- **Flash Butt Welding:**
 - Flash Butt Welding of rails on IR is carried out by using Stationary plants and Mobile machines.
 - FBW is done using electrical current and enough heat is generated by using the resistance of rails. No external material is used and Welding takes place by fusion of parent rail metal.
 - Approval of Quality Assurance Plan and Welding Parameters are Standardized by RDSO for both Stationary and mobile plants before execution of Work.
 - FB Welding is carried out as per Indian Railways Manual for flash Butt Welding of Rails, 2012 (FBWM).
- **Direct supply of 260 m long rail panels from steel plants:** Railway has started production of 260m long rail panels (having only one flash Butt weld at middle) at steel plant, which are being transported directly to relaying sites. Now onwards 80% of total requirement of rails will be supplied in 260 m long panels and remaining 20% in form of free rails (10% of 13 m length and 10% of 26 m length). With the help of these panels numbers of welded joints will reduce substantially. This will reduce potential of Rail/Weld failures.

5.3.5 Measures Taken to Prevent Fire in Trains:

Instructions have been issued for provision of the following items in coaches during manufacturing at Production Units to improve the safety features of these coaches:

- Fire detection and suppression system in all newly manufactured Power Cars and Pantry Cars.
- Fire and Smoke detection system in all newly manufactured AC coaches.
- Double Acting AC compartment doors in all newly manufactured AC coaches.
- Fire extinguishers in all newly manufactured non-AC coaches.
- Automatic plug type doors in all newly manufactured Humsafar and Uday train coaches.

Apart from this, the existing AC coaches are being retro fitted with Fire and Smoke detection system and existing Power Cars & Pantry Cars are being provided with Fire detection and suppression system.

5.3.5.1 Curbing Fire hazards in Pantry Car:

- With a view to curb fire hazards in pantry car, Board has issued guidelines for upkeep of pantry car equipment to ensure that all equipment and gadgets are in working order and in safe condition.
- Electrical gadgets in Pantry Cars should be operated only by the authorized electrical staff, nobody else.
- Zonal Railways have been advised to remove the card board cartons after loading the food articles and they are to be kept in containers made up of fire-retardant materials such as insulated metallic boxes.
- Ticket checking staff should permit only those persons in Pantry Car & Power Car (Railway Staff and Pantry Car Staff) whose names are appearing in reservation chart of pantry car and Power Car and having valid travel authority.
- Flame based cooking is totally prohibited in the pantry cars.

5.3.5.2 Fire detection and suppression system at important installations:

Fire at vital installations paralyses the train movements. Fire detection system is being provided at vital installations. Firefighting equipment are being provided at such installations. Staff have been trained to use these equipment's.

5.3.6 Measures to Curb Accidents at Level Crossings:

Various measures taken by Indian Railways to prevent accidents at level crossings are as under:

- (a) Elimination of Level Crossing:** Level crossings are meant to facilitate the smooth running of traffic in regulated manner governed by specific rules & conditions. Indian Railway has decided to progressively eliminate the level crossings on broad gauge, specially on MMCT-ADI & BRC-NAD route for increasing the speed upto 160 Kmph. As of September 2019, all unmanned level crossings on broad gauge have already been eliminated. From 2019- 20 upto September 2022, 375 Nos of manned crossings on broad gauge & 74 Nos. of manned level crossing on Golden quadrilateral route have been eliminated. Balance 1777 nos of MLCs on BG will be progressively eliminated. Out of this balance of 1777 nos of MLCs, 161 nos of MLCs on MMCT-ADI & BRC-NAD route have been planned for elimination by 2026.
- (b) Provision of Road Over/Under Bridges:** To improve safety of train operations and reduce inconvenience to road users, level crossings are being replaced by Road Over/Under Bridges/Subways (ROBs/RUBs) in a phased manner based on the quantum of traffic. During the year, 2021-22 26 ROBs and 86 RUBs/Subways have been constructed under cost sharing,

railway cost, Deposit/BOT term and by NHAI over Indian Railway. Works for construction of 211 ROBs and 395 RUBs/Subways have been sanctioned. These are at various stages of planning and execution.

- (c) **Interlocking of Level Crossing Gates:** Western Railways has provided interlocking with Signals at 854 Level Crossing Gates as on, 31.10.2022 to enhance the safety at Level Crossings.
- (d) **Action Plan for Road Users' Safety:** To reduce accidents at manned and unmanned level crossing gates, IR will adopt following multi-pronged strategy: -
- Existing task force of the Ministry of Railways and State Governments for construction of ROBs/RUBs would be made more effective.
 - Items to be resolved between the Ministry of Railways and Ministry of Road Transport and Highways.
 - Sliding booms are additionally being provided at interlocked level crossing gates to enhance safety and reliability.
 - Speed breakers at level crossings, their standards and maintenance.
 - Testing of driving license applicant by RTOs, with regard to thorough knowledge pertaining to level crossings.
 - Widening of roads at selected high-density locations to ease movement.
 - Training and counselling of road users.
 - Lifting barriers with retro-reflective markers in lieu of gate leaves shall be provided on double and multiple lines.
 - On manned level crossings, with more than 500 road vehicles per day and where possible, the road width shall be widened in railway land.
 - Signalling Systems like Interlocking arrangements and provision of telephones at LC gates enhances safety considerably.
 - Inclusion of Dos and Don'ts near level crossings in primary school curriculum.
 - Intensive social awareness campaigns to counter misadventure in front of approaching trains.
 - Basic infrastructure on all unmanned level crossings will be ensured and it includes provision of adequate width, normal gradient, level surface for 5 m from centre of the nearest track, Whistle Boards in retro-reflective sheets, specified Road Warning Boards, road surface in good condition and speed breakers/rumble strips etc.
 - Periodic census of level crossings will be carried out by multi-disciplinary teams.
 - On sections where there are a number of unmanned level crossings, at close proximity, RUBs may be constructed at a convenient location and the remaining level crossings closed.
 - Checking visibility levels at all unmanned level crossings, and taking corrective action for their improvement.
 - Appropriate approach road gradients within railway boundary to be ensured.

- Gate Mitras have been deployed on unmanned LCs on Meter Gauge, Narrow gauge and on private sidings in BG.

5.3.7 Better and Safer Coaches:

Design of lightweight, stainless steel passenger coaches has been procured through a Transfer of Technology (TOT) contract from M/s Linke Hofmann Busch (LHB) of Germany. The coach provides better ride index at higher speeds. The design provides a higher safety level as a result of modern technology in use in the design of high-speed bogies.

LHB coaches have better riding, aesthetics, higher passenger capacity and safety features as compared to conventional Integral Coaches Factory (ICF) coaches. The Production of LHB coaches in production Units has continuously increased over the years. Only LHB coaches are being manufactured from April 2018 onwards.

5.3.8 Prevention of Accident Due to Fog:

Zonal Railways should ensure that the staff be advised and counselled regarding provisions in the General & Subsidiary Rules (G&SRs). Every Crew to be imparted necessary training for up to two days about the system of working of trains during fog. With the use of fog devices in locomotives, the maximum permissible speed during foggy/inclement weather condition be enhanced from 60 KMPH to 75 KMPH subject to the judgement of the Loco Pilots. Zonal Railways should comply instructions issued from Railway Board on fog from time to time. As per latest instructions on foggy/inclement weather, major precautions to be taken by Zonal Railways for safe train operations are briefly described below:

- Provision of Fog Safe Device: Reliable Fog Safe Devices may be provided to the Loco Pilots in all locomotives round the year as per instructions of Railway Board vide letter no. 2024/Elect.(TRS)/440/2 dated. 17.01.2024.
- Necessary works like adequate supply of detonators, fitting of LED flasher tail light, painting of Signal sighting Boards, fog signal posts, whistle boards, provision of Sigma boards etc. should be completed before onset of winter/foggy season.
- Reduced movements in the coaching yards, approach to terminals and at/near terminals etc. has to be done to reduce pressure on congested areas.
- Fog affected Railways should review the crew changing location.
- Placement of Visibility Test Object (VTO).

Precautions to be taken by Loco Pilot during Fog:

- When Loco Pilot feels that visibility is restricted due to fog, the speed shall in any case not be more than 75 KMPH. In case Fog device is not available in locomotives or the device fails enroute the maximum speed of 75 kmph as indicated above shall be reduced to 60 kmph or less subject to judgement of Loco Pilot (Railway Board's letter No. 98/Safety(A&R)/19/16 dte. 25.10.2019)

- LP to whistle frequently to warn gateman and road users at level crossings.
- In Automatic Block territory the speed will be subject to the judgement of the LP i.e. after passing Automatic Stop Signal in Green, Double yellow and at Yellow the speed not to exceed 75 Kmph, 30 Kmph and at a further restricted speed so as to be prepared to stop at next stop signal respectively.
- Crew should be counselled on regular basis on instructions for working during thick & foggy weather issued vide Rly Bd letter No.98/Safety (A&R) / 19 /16 dt.11.10.2021.

5.3.9 Other Measures:

- **Constant Review of Safety Performance at Board's apex level** - Safety performance is invariably reviewed as a first item on Agenda of Board Meeting at the apex level. All accidents are analysed in detail so that remedial measures can be initiated.
- **Safety Review meeting with Zonal Railways** – Chairman and Board members have conducted Safety Review Meetings with General Managers and PHODs of zonal railways during their visits as well as through video conference.
- **Intensive Footplate Night Inspections** - Intensive Footplate Inspections including night inspections have been conducted at the level of SAG, branch officers and supervisors in the field.
- **Regular Safety Drives & awareness campaigns** – Safety drives and awareness campaigns have been launched from time to time, covering the lessons learnt from recent train accidents so as to prevent similar accidents in future.
- **Bridge Inspection and Management System:** Modern Bridge Inspection techniques have been adopted, which includes testing by non-destructive testing equipment, under water inspections, monitoring the water level with the help of water level system etc.
- **Patrolling of Railway Tracks:** During adverse weather conditions patrolling of railway tracks including night patrolling is carried out at vulnerable locations regularly.
- **Vigilance Control Device** - All electric and Diesel locomotives are equipped with vigilance control devices (VCD) to ensure alertness of Loco Pilot.

Chapter 6

CAPACITY BUILDING TO HANDLE DISASTER

6. Capacity Development – An Overview:

6.1 Background:

Capacity development covers strengthening of institutions, mechanisms, and capacities at all levels of all stakeholders. The United Nations International Strategy for Disaster Reduction (UNISDR) defines 'Capacity Development' for DRR as follows:

“The process by which people, organisations and society systematically stimulate and develop their capability over time to achieve social and economic goals, including through improvement of knowledge, skills, systems, and institutions – within a wider social and cultural enabling environment.” (UNISDR, 2009)

It is an important component of investing in disaster risk reduction. In the domain of disaster risk management, the Sendai Framework emphasizes the need for enhancing the technical, financial, and administrative capabilities of institutions, governments, and communities to deal with the identified risks at different levels. The framework calls for reinforcing the capacity to implement, and enforce risk reduction measures. Capacity development commonly refers to a process that is driven from the inside and starts from existing capacity assets. The framework underlines the need for capacity development of women in disaster management and building their ability to participate effectively in managing disaster risk.

Investing in capacity development for DRR will be a continuing process to enhance the capability of individuals, agencies, and communities to improve the performance of their DM functions. The process of capacity building will include elements of human resource development, i.e., individual training, organizational development such as improving the functioning of groups, and the strengthening of organizations, regulations, and institutions. Involving stakeholders through participatory approaches is essential to establish ownership and commitment. The sustainability of capacity development initiatives increases in direct relation to the level of participation and ownership of the internal partners. In order for capacity development for disaster risk reduction to be effective, it must be clear in its purpose.

As capacity development entails activities at various levels, i.e. legal and institutional frameworks, systems of organisations, organisation and human and material resources, it is necessary to address challenges on all of them by implementing a mix of activities, on short and long term. The reason for this is that changes at one level often require changes at other levels too, as the levels are interdependent.

Therefore, the focus of many capacity development efforts for DRR must go beyond human resource development and pay enough attention to organisational and institutional issues. Public and private investment in disaster risk prevention and reduction through structural and non-structural measures are essential to enhance the resilience to disasters. Investing in capacity development is the cost-effective way to save lives, prevent or reduce losses and ensure effective recovery and rehabilitation.

The NPDM 2009 underlines the need for a strategic approach to capacity development and notes that the active and enthusiastic participation of various stakeholders is necessary for it to be effective. The national policy notes that capacity development must address the challenge of “putting in place appropriate institutional framework, management systems and allocation of resources for efficient prevention and handling of disasters.”

6.2 Capacity Development Themes:

The capacity development covers all aspects of disaster management. The key aspects and broad thematic areas for capacity development applicable to these dimensions of DM are summarized in Table 6-1. The hazard-specific capacity development needs for prevention and response are given in the plan matrix of the Chapter-3 and Chapter-4. The list is indicative, illustrative, and not exhaustive. Further, those chapters provide certain extent of detailing. Even those are indicative and in consonance with national, regional, and global practices, there will be changes, which will be incorporated in the periodic revisions of the plan and during its implementation. The effort will be to follow the emerging best practices.

Table 6-1: Summary of Broad Capacity Development Themes:

<i>Capacity Development Themes</i>	
Key Aspect	Thematic Areas
Prevention or mitigation for disaster risk reduction	Hazards, Risk, and Vulnerability Assessment • Human resource development • Institutional strengthening • Launching demonstration projects • Safety education in educational institutions • Improve the awareness and preparedness of stakeholders at all levels • Documenting lessons from previous disasters and ensuring their wide dissemination • Preparing DM plans, regular updating, and mock drills • Institutional arrangements, policies, legal support, and regulatory framework • Developing appropriate risk transfer instruments by collaborating with

	insurance companies and financial Institutions • Strengthening early warning systems • Mainstreaming of disaster risk assessment, mapping and management into development plans and programs • Revision of building codes and standards for rehabilitation reconstruction practices both for urban and rural areas • Retrofitting techniques • Rapid visual surveys for safety evaluation of buildings • Training and skill development for masons and other artisans. • Reinforce systems to implement, monitor, and enforce regulations for DRR to promote disaster-resistant built environment • Promoting community-based DM taking into account specific needs, regional diversities and multi-hazard vulnerabilities • Design and implement social safety-net mechanisms, including community-based systems • Disaster resilience of health care systems by integrating disaster risk management into primary, secondary and tertiary health care • Business resilience, and protection of livelihoods and productive assets throughout the supply chains, ensure continuity of services and • Integrate disaster risk management into business models and practices Preparedness and response plans at all levels. • Community-based DRR and DM
Effective preparedness and response	Emergency response capabilities - EOCs, infrastructure, equipment upgrades and adoption of best available technologies • Strengthening of the Fire and Emergency Service through revamping, institutional reforms, and modernization • Adoption and adaptation of emerging global good practices • Rigorous training and HRD of first responders • Early warnings, maps/ satellite data/ effective dissemination of information • Table-top exercises, simulations, and mock drills to improve operational readiness of the plans • Rescue equipment at all levels • Systems to provide basic services in emergencies • Housing and Temporary shelters • Medical care for casualties, health care and sanitation • Power and fuel supply management • Transportation systems and network • Logistics and supply chain management

	• Media relations • Managing the dead, disposal of animal carcasses, and debris • Collection and management of data • Legal services/ support
Recovery and Build Back Better	• Post-Disaster Needs Assessment systems and expertise • Credible damage assessment mechanisms and expertise • Planning capabilities to ensuring coherence of BBB with overall development efforts and goals • Studies and research for incorporating resilience into BBB models. • Studies on past disasters and recovery to draw useful lessons

The NPDM 2009 envisages a pivotal role for the National Institute of Disaster Management (NIDM) in the area of capacity building. Similarly, the State Disaster Management Institutes and ATIs should play a lead role in the States/ UTs. The NPDM envisages capacity development in the domain of DM at all levels of government and across various autonomous institutions. It also stresses the importance of capacity development efforts to promote community-based DM efforts. The policy notes that to sustain DRR, it is necessary to undertake capacity development across the education sector covering schools to professional institutions. It recognizes that skill development in all sectors to incorporate multi-hazard resistant features along with strengthening of relevant licensing, certification, and standards.

6.3 National Institute of Disaster Management (NIDM) and other Institutions:

The NIDM, in partnership with other research institutions has capacity development as one of its major responsibilities, along with training, research, documentation and development of a National level information base. It will network with other knowledge-based institutions and function within the broad policies and guidelines laid down by the NDMA. It will organise training for trainers, DM officials and other stakeholders. The NIDM will strive to emerge as a 'Centre of Excellence' in the field of Disaster Management. The NIDM will play an important role in developing and facilitating the implementation of a National training schedule for DM. It will also be the nodal institution for Regional and International cooperation for training. There are a number of renowned institutes in various States, which are imparting training in DM. These will be strengthened with financial assistance and such efforts will be replicated by other States/UTs. Also, the DM cells in all Administrative Training Institutes, Police Academies, State Institutes of Rural Development, Training centres of five CAPFs from where NDRF is drawn up (BSF, CRPF, CISF, ITBP, and SSB) and the NDRF Academy, Nagpur will contribute most significantly in developing DM related skills. The capacity of existing institutes needs to be upgraded in accordance with regional and local requirements.

6.4 Capacity Development of Local Bodies – Rural and Urban:

The capacities of Panchayats and ULBs have to be developed in the sphere of disaster management. Without adequate capacity development, the local bodies cannot contribute effectively to disaster management or in ensuring the proper implementation of DM plans. Capacity development is also necessary for true empowerment of the bodies of local self-governance. The elected leaders and officials of Panchayats and ULBs should be trained to competently handle different types of crises, contribute to disaster preparedness, make proper use of available warnings, organize operations such as search, rescue, relief, medical assistance, and carry out damage assessment. They should also have sound understanding of the needs of proper post-disaster rehabilitation. The local leadership can play a big role in disaster management in all stages and in DM planning. Capacity development must aim at increasing the competence of local bodies in all aspects of disaster management, mainstreaming DRR, and in promoting a culture of disaster prevention and DRR. The capabilities of the local bodies have to be developed in financial, technical, and managerial spheres. The state level training institutes (ATI, SIDM, and others) will develop need-based training programs for the capacity development of rural and urban local bodies.

6.5 Training Communities:

Enhancing the capacity of communities, as they are the first responders to disasters, is a significant part of the capacity development process. The Sendai Framework notes the need to build the knowledge of civil society, communities, and volunteers on disaster risk reduction. Capacity building has to include awareness, sensitisation, orientation, and developing skills of communities and community leaders. Assistance from NDRF, Civil Defence, civil society organisations, local community-based organizations, and Self-Help Groups will be encouraged. The overall responsibility to give impetus to leadership and motivation will rest with local authorities, PRIs and ULBs under the overall guidance of State and District authorities.

6.6 National and State Disaster Resource Networks:

Indian Disaster Resource Network (IDRN) is a portal providing nation-wide inventory of DM-related resources covering almost all the basic needs. It is a web-based platform, for managing the inventory of equipment, skilled human resources and critical supplies for emergency response. Primary focus of IDRN portal is to enable the decision makers to find answers on availability of equipment and human resources required to combat any emergency situation. At the State-level, Government of India has encouraged each state to establish its own State Disaster Resource Network (SDRN) portal on the pattern of IDRN.

6.7 Capacity Development - Ministries and States:

The Central Ministries, departments and agencies as well as the State Governments will take actions for capacity development of different stakeholders as shown in Table 6-2 given below on the basis of proper capacity development needs assessment.

Table 6.2 Summary of Capacity Development

	Task	Central	Activities	Responsibility in Railways
1.	Deploying good resources, advanced technology and equipment	Gol, NDMA, MHA, All Nodal Min./ Dept.	- Identifying existing ones - Identification of gap between existing ones and those required on the basis of hazard risk and vulnerability and lessons learnt from recent past disasters. - Procurements of additional equipment with advanced technologies	Respective Directorates to identify gaps and initiate action.
2.	Strengthening training institutes for disaster management.	NIDM, MoHRD, MHA, NDMA	- Research and extension support grants - Create/strengthen state level DM institutes.	Establishment directorate.

6.8 National Disaster Response and Mitigation Funds:

6.8.1 Disaster Management to be inbuilt in Developmental Plans:

The National Policy on Disaster Management provides for development of the Disaster Management handling capability by each Ministry/Department of the Central Government as also by the State Government. As per the policy, NDMA will ensure mainstreaming of disaster risk reduction in developmental agenda in all existing and new developmental programmes and projects shall incorporate disaster resilient specifications in the design and construction. The Neeti Aayog will give due weight age to these factors while allocating resources.

6.8.2 Responsibilities of the Central Ministries and Departments:

The National Policy on Disaster Management lays down that all Central Ministries and Departments will prepare their DM Plans and where funds are being asked for to improve Disaster Management capability including the financial projections to support these plans. The necessary budgetary allocations will be made as part of the Five Year and Annual Plans.

6.8.3 National Disaster Response and Mitigation Funds:

As per the National Policy on Disaster Management, a National Disaster Response Fund may be constituted as mandated in the Act. The National Response Fund will be applied by the National Executive Committee (NEC) towards meeting the expenses for emergency response, relief and rehabilitation, in accordance with the guidelines laid down by the Central Government in consultation with the NDMA. The proposal of merger of National Calamity Contingency Fund (NCCF) with the National Disaster Response Fund shall be as recommended by the Finance Commission from time to time. Similarly, as mandated by the Act, the National Disaster Mitigation Fund (NDMF) may be created for projects exclusively for the purpose of mitigation.

In the case of Ministry of Railways, all the maintenance activities related to rolling stock, track, civil infrastructure, signal and telecommunication, traction, operations as well as the capital expenditure incurred on these are for upkeep and improvement of safety of train operations. There is no specific allocation head for providing/capturing expenditure relating to disasterManagement activities on Indian Railways. However, disasters do happen in form of train accidents, breaches, natural calamities, etc which affect operations on railways. The expenditure incurred as a result is, however, accounted for under safety related revenue and capital heads. Thus, the mitigation funds are part and parcel of the expenditure of Railways.

6.9 Modernization of Relief/Rescue during Disasters:

The National Policy on Disaster Management provides that all Central Ministries and Departments of the Central Government and of the States will build capacity to handle different types of Disasters based on guidelines issued by the NDMA. Helicopter based relief rescue missions on par with similar arrangements existing in Western world can also be used extensively for Mass Casualty Evacuation and for providing relief where required. For Railways own Disaster situation like a major train accident where the site is not approachable by rail or by other road vehicles this would be the only means of relief. All Zonal Railways may obtain details of Government and Private Helicopter services and the contact numbers of their operators to be contacted in advance. The Disaster Management Plan of the Zonal Railway and the Divisions should make a mention of the helicopter service providers. If these services are not available on one Zonal Railway, they may contact the nearest Zonal Railway where they are available to be called upon in a Disaster situation.

We have to have a total paradigm shift in the manner in which serious train accident relief is to be managed in the second decade of the 21st century. A much more radical approach would be gradually need to be introduced that what is existing on date.

Sensitive installations of Railways need to be identified. All Zonal Railways need to define sensitive installations and infrastructure. These should be ones which would cripple the Railways primary objective of transportation. For instance, Control Rooms; Microwave Towers; Telephone Exchanges; PI/EI/RRI of Junction Stations, Major Bridges, Tunnels of long lengths, Hospitals etc. are very sensitive/vulnerable locations.

6.10 Terrorist attacks on a freight train carrying inflammables:

Railways have an excellent liaison with the Oil Companies due to the transport of their commodities viz. Motor Spirit, HSD, Naphtha etc. Traditionally we have always made use of their firefighting equipment along with the expertise in fire control available with them. Gradually, Railways have to develop both the expertise through training in the IRIDM, Bangalore and also procure latest technology firefighting equipment.

CHAPTER - 7

MEDICAL PREPAREDNESS & HOSPITAL DISASTER MANAGEMENT PLAN**7.1 Network of Mobile Medical Infrastructure:**

Western Railway's medical infrastructure consists of 16 ARMVs (Including 10 SPARTs and 01 MG ARME and 05 BG ARMEs). POMKAs are also available at all health units, sub-divisional and divisional/zonal hospitals. Trained manpower of medical and all other departments of the Indian Railways provide first aid, immediate and necessary emergency medical treatment to save the life and limbs of persons involved in train accidents and arrange rapid evacuation to the nearest government/private hospital by the first available means of transport. There is a well-rehearsed action plan to handle railway accidents.

The system is committed to the primary goal of meeting the needs of the Western Railway, though this resource may be available in a limited manner for assistance of the district administration for mass casualty management. The details of Government & private Hospitals in Western Railway Jurisdiction are listed in ZDMP-part 2.

7.2 Responsibility of Stake Holders:

Medical Response: Medical Response has to be quick and effective. The execution of medical response plans and deployment of medical resources warrant special attention at the State and District level in most of the situations. The voluntary deployment of the nearest medical resources to the disaster site, irrespective of the administrative boundaries, will be emphasized. Mobile medical hospitals and other resources available with the centre will also be provided to the States/UTs in a proactive manner. Post-disaster management of health, sanitation and hygiene services is crucial to prevent an outbreak of epidemics. Therefore, a constant monitoring of any such possibilities will be necessary.

The main stakeholders in the Medical Preparedness and Mass Casualty Management (MPMCM) are the Ministry of Health and Family Welfare, Ministry of Labour and Employment, Employees State Insurance Corporation, Ministry of Defence, Ministry of Railways, State Governments and Union Territories and private health care providers.

NDMA's guidelines on Mass Casualty Management (MCM) have been prepared to provide directions to the Central Ministries, Departments and State Authorities for the preparation of their detailed Medical Preparedness Plans. These guidelines call for a proactive, participatory, well-structured, fail-safe, multidisciplinary and multi-sectoral approach at various levels.

Each organization of the Government may be made aware of risks, vulnerabilities and effects of various natural and man-made disasters including peripheral emergencies in terms of mortality and morbidity; short and long-term health effects including the socio-economic problems faced by the community during, and

in the aftermath of MCE. The need for creation of an institutional mechanism and system is essential. This would result in enhancing capacities and capabilities of hospital and health care workers. So also, is the need for strengthening existing procedures that allow emergent activities to meet the challenge of surge capacity because of mass casualty events. The different mass casualty events and other potential disasters including Chemical, Biological, Radiological and Nuclear (CBRN) emergencies which may lead to Mass Casualty Evacuation are to be made aware of to the Medical Management of the concerned departments which have their own medical establishments; Railways falls within the ambit of this item; this can be achieved only through specialized training initially to a few select Doctors in each Divisional Hospital (and the Zonal Hospitals).

A review of the existing health framework, preparedness of the Ministry of Health and Family Welfare, Ministry of Defence, Ministry of Railways and Ministry of Labour and Employment in relation to their capacity for handling casualties caused by various disasters is to be done so as to share each other's strengths and capabilities. Ministry of Health and Family Welfare is assigned with legislative capacity for a number of subjects including all matters relating to the medical, dental, nursing and pharmacy professions and education; mental health; standards for drugs; prevention of food adulteration; and prevention and control of epidemics.

Medical preparedness of Ministry of Defence, Ministry of Railways and ESIC have also been elaborated in the NDMA's guidelines. A brief outline of the arrangements with the state health departments is enumerated there is also a bird's eye view of the health care infrastructure of the private sector, Indian Red Cross Society, certain Non-Governmental Organisations and various laboratories. Among the various international initiatives, the role of the recently operationalised International Health Regulations in limiting the spread of epidemics and other public health emergencies by the Member States has been highlighted in the guidelines.

Medical preparedness aims at preventive and mitigation measures. Preventive measures include upgrading public health laboratories and establishing an integrated Disease Surveillance Programme (IDSP). Preparedness for Emergency Medical Response (EMR) for the management of mass casualties at the incident site and, their quick and safe evacuation by ambulance services is an important step in this direction. The need for hospital disaster preparedness plans along with the non-availability of medical logistics in critical care has been highlighted by NDMA in their guidelines which need to be followed up. The cold chain system in blood transfusion services needs to be established all across the country. The requirement of specialised facilities for CBRN management has also been highlighted by NDMA.

NDMA's guidelines are comprehensively given for a legislative and regulatory framework, preventive measures, preparedness, capacity development, hospital preparedness, specialised health care and laboratory facilities, role of alternative systems of medicine and identification of the dead, psychosocial care and mental health services and Research and Development for MPMCM. The roles and responsibilities of various stakeholders at the centre state and district levels are also described. The salient highlights in the guidelines include:

- Preventive measures like strengthening of epidemic control programmes, immunisation, HIV control etc., development of minimum standards of food and water; IDSP and its integration at all levels converged to develop an effective Early Warning System (EWS) operable at all levels.
- The Medical First Responders (MFRs) of mobile medical teams will be fully trained in triage and resuscitation; well-equipped and supported by all emergency services and material logistics.
- Emergency medical evacuation requires development of an Integrated Ambulance Network (IAN) including road, aerial and water ambulance networks integrated with special trains for MCE and not only self-propelled Accident Relief medical Vans (SP-ARMVs) of the railways as mentioned in the guidelines. As the evacuation of large number of casualties cannot be done by an ARME (or SP-ARMVs) the Railways shall mobilize special train for MCE whenever required. It will work in conjunction with Emergency Response Centres (ERCs), ESIC medical services and related emergency functionaries with laid down Standard Operative Procedures (SOPs) for all stakeholders.
- Full-fledged containerised mobile hospitals will be acquired and attached with hospitals earmarked by states/districts.
- Capacity development will include training of all stakeholders including doctors, nurses, paramedics and other resource persons in triage and Basic Life Support (BLS), and development of specialists.
- Hospital preparedness should aim at planning the use of hospital resources in a well-co-ordinated and simple way with defined roles for all medical personnel. Such activities will be drafted in the hospital DM plan. The plan will be rehearsed once a year using mock drills.

NDMA's guidelines include items related to response, rehabilitation and recovery, PPP, post-disaster documentation, media management and important medical management aspects which need to be integrated into the district DM plans. The major guideline includes: -

- Mock drills will be based on the simulation of worst scenario in the identified vulnerable areas to check the preparedness level of the MFRs.

A specific reference in NDMA's guidelines include item for medical preparedness for handling CBRN emergencies besides the basic aspects of medical preparedness. It covers the following areas: -

- Specific education and skill-based training of MFRs and necessary community awareness about various Dos and Don'ts to deal with CBRN incidences in a participative approach.
- SOPs for CBRN management at the incident site, triage, personal protection, decontamination, resuscitation, and casualty evacuation followed by management of victims at the hospital level.
- The necessary resource inventory in terms of Personal Protective Equipment (PPE), various detectors, decontamination and de-corporation agents, antidotes, essential medicines, specialised mobile laboratories and ambulances fitted with CBRN filters. Special CBRN stores and necessary laboratory facilities will be established at various levels.

Zonal Railways have to arrange special trains consisting of AC and/or non-AC coaches to run from the nearest coaching terminal to the site for evacuation especially for large scale casualties. Railway and non-Railway Medical Teams may be deployed in these special trains along with a portable kit of medicines, etc. (POMKA) to attend to the injured during the process of evacuation. In these special trains casualties even in hundreds can be evacuated; the medical attention, however, would be limited vis-à-vis what can be provided in the ARMVs.

Each different type of casualty requires a specialized training to handle it. The Railway Medical Department neither has the training nor can they digress from their principle function of providing medical care to the railway men and their families including to retired staff/families. During a Chemical Disaster, as the public areas are far away from station premises it may not be possible to run the ARME or a special train to the location close to the site. In some situations, due to effect of Chemical Gases (as was the case in Bhopal Gas tragedy of Union Carbide) even the Loco Pilot/ Train Manager and the Medical Teams may not find it possible to reach the site in the immediate period of post-Disaster.

Railways is not expected to be a main stake holder in the DM Plan of CBRN disasters. They can at best be involved in the evacuation of casualties by a special train (A/c and non-A/c coaches) from the nearest station closer to site to a station serving Hospital, nearby. Skeleton First Aid facility can be extended by the Railways Medical Team in this special train. In any case it would take a maximum of 5/6 hours for the special train to evacuate the casualties once it reaches near the site to reach the station serving the Hospital.

The medical and para-medical staff of Railways need to be imparted training for management of CBRN disasters, till the specialist force arrives at the disaster site. As an alternative zonal railway must cater in their own plans to arrange special trains consists of AC and non-AC coaches for the purpose of evacuation of large number of casualties in a mass casualty event whenever the railways may be called upon to help the district and state authorities. Railways may not be the main stakeholder in disaster management for CBRN disasters but railways should also train their Para medics, Medical First Responders and Quick Medical Reaction Teams (QMRTS) and train them to provide pre hospital care in case of CBRN attack within the trains or platforms and should be able to respond till such time specialized teams of NDRF/SDRF mobilized to reach the site. Therefore, it is essential to provide personal protection equipment and other equipment, training to Para medics and medical officers for the limited role for your own set up.

- 7.3** In the NDMA's Guidelines on Medical Preparedness and MCE, under the head of Medical Preparedness number of duties are defined to be done by the Medical First Responder (MFR). It is specifically mentioned that adequate no. of Personnel, Protection Equipment (PPE) should be available with the mobile teams, various first responders and rescue services. Further, it is mentioned for evacuation of CBRN victims the use of Rail Ambulances is currently non-existent.

As the different MFR's are neither defined nor separately listed in the NDMA's guidelines, it is clarified that the Railways are not to be treated as MFR. NDMA has clarified in a review meeting held with Railway Ministry representatives that the MFR would be NDRF as also the trained personnel of State Governments and District Administration.

7.4 Aim of Hospital Disaster Management Plan:

The aim of a Hospital Disaster Management Plan is to provide prompt and effective medical care to the maximum possible, in order to minimize morbidity and mortality resulting from any MCE.

7.5 Hospital DM Plan:

There shall be Hospital Disaster Management Plan for each Railway Hospital of Indian Railways which will be prepared by CMS/MD of the Divisional/ Zonal/ Workshop Hospital of the Zonal Railway. This shall be based on the NDMA Guidelines on Medical Preparedness and Mass Casualty Management (Annex. I page 104 of NDMA Guidelines) referring to “Important Considerations for Developing the Hospital Disaster Management Plan”.

On Western Railway, the (Zonal Hospital) Jagjivan Ram Hospital, each Divisional Hospital & Sub Divisional Hospital have prepared and updated their Disaster Management Plan based on NDMA guidelines.

The Hospital DM Plan should incorporate relevant items given in the DM Plan of the Railways. It should be clarified that: -

“The Hospital DM Plan comes into effect only if the competent authority so authorized declares on the Zonal Railways an incident as a disaster. It can also come into effect if any Central/State Govt. agency declares a major incident a Disaster, and where the Medical facility of the Railways shall be required to give assistance.”

7.6 Objective and Goals of a Hospital Disaster Management Plan:

The hospital disaster management plans should address not only mass casualties that has occurred away from the hospital, but should also address a situation where the hospital itself has been affected by a disaster – fire, explosion, flooding or earthquake, etc.

The role of the Railway Hospital will be of a general hospital only. After assessment of the hospital resources, treatment capacity and surgical capacity (refer Annex-1 of Chap 4, Page 105 of NDMA Guidelines on Medical Preparedness and Mass Casualty Management), its Hospital Disaster Management Plan should be available to the Divisional/Zonal Railway Administration and also to the district administration.

7.7 Disaster Drills:

As a part of the emergency management plan, every hospital is required to have structure in place to respond to emergencies, this structure is routinely tested during drills.

Continuous revisions should be made in the hospital disaster management plan taking leads from the regular disaster drills in the hospitals. In these drills it should be tested if the Hospital is equipped to respond effectively to the disposal of a large no. of dead etc. i.e. role of mortuary services and forensic departments. Hospital Disaster Management Plan should be tested once a year by mock drills for updating.

7.8 Training of Health Care Personnel of Indian Railways:

It is desired by the National Plan that the Railways should train their doctors in the treatment of specific injury from CBRN disasters as also keep medicines, the vaccines, equipment and disposables etc. for the same in their hospitals. Railways may alternatively get the Training for Trainers of Medical department so that this could be proliferated to other Doctors and other Para Medical Personnel on all Indian Railways in nominated Railway Training Institute/s.

7.9 Preparedness of Western Railway:

S. N	RB DMP Guidelines	WR preparedness
1	There shall be Hospital Disaster Management Plan for each Railway Hospital of Indian Railways which will be prepared by CMS/MD of the Divisional/ Zonal/ Workshop Hospital of the Zonal Railway. This shall be based on the NDMA Guidelines on Medical Preparedness and Mass Casualty Management (Annex. I page 104 of NDMA Guidelines)	On Western Railway the (Zonal Hospital) Jagjivan Ram Hospital, each Division Hospital & Sub Division Hospital has prepared and updated its Disaster Management Plan based on NDMA guidelines.
2	Specialized training initially to a few select Doctors in each Divisional Hospital and the Zonal Hospitals to cater the requirement of NDMA guidelines on Medical Preparedness on Mass Casualty Management (MPMCM).	30 doctors and 67 paramedics have received basic training on CBRN at NDRF camp, Jarod near Vadodara. They have been trained in Mass Casualty management
3	Medical preparedness (Preventive and Mitigation measures) viz. upgrading Public health laboratories and establishing an Integrated Disease Surveillance Program (IDSP).)	Zonal hospital and DRHs have laboratory facilities. Disease surveillance is done by public health department of railways.
4	Preparedness for Emergency Medical Response (EMR) for the management of mass casualties at the incident site and, their quick and safe evacuation by ambulance services.	At Zonal hospital, divisional level doctors and paramedics have been nominated for EMR. Team "A" moves with ARMV and "B" team moves by Road to reach accident. Team members are trained in mass casualties management. Each hospital has Ambulance facility. Role of individual medical personnel is defined as per IRMM 2000, Vol II, Chapter VII

5	Availability of medical logistics in critical care	Critical care facilities are available in zonal hospital, divisional hospitals and empanelled hospitals.
6	Availability of Cold chain system in blood transfusion services	JRH has well equipped Blood bank with storage capacity of 2000 blood units. There is no separate arrangement for Blood Transfusion services in divisional hospitals. However, in case of accident, there is tie up with private blood bank and their services can be utilized by the railways.
7	Specialized facilities for CBRN management	Zonal hospitals and divisional hospitals are not well equipped to manage CBRN Disaster situation. Hospitals are equipped, to some extent to handle Chemical and biological situation.
8	Capacity development initiatives such as training of all stakeholders including doctors, nurses, Paramedics and other resource persons in triage and Basic Life Support (BLS), and development of specialists.	Detailed regular training is being rendered to the medical officers, staff nurse, Paramedics in triages and Basic Life Support System.
9	Hospital preparedness in planning the use of hospital resources in a well-coordinated and simple way with defined roles for all medical personnel. Such activities will be drafted in the hospital DM plan which will be a part of the Zonal/Divisional DM plan. The plan will be rehearsed once a year using mock drills.	Disaster Management Plan is well coordinated and regular rehearsals are being done by the hospitals using mockdrills 2-3 times in a year. Rehearsals/mock drills have been conducted in association with NDRF/SDRF team.
10	Mock drills will be based on the simulation of worst scenario in the identified vulnerable areas to check the preparedness level of the MFRs.	Mock drills are based on simulation of worst scenario and to check the preparedness. Mock drills are being carried out 2-3 times in a year.
11	Training to railways Para medics, Medical First Responders and Quick Medical Reaction Teams (QMRTS) to provide pre hospital care in case of CBRN attack within the trains or platforms and should be able to respond till such time specialized teams of NDRF/SDRF mobilized to reach the site	The provision of PPE (Personal Protection Equipment) is now made available at present to paramedics and medical officers for combating COVID 19 situations. They have limited role in case of CBRN attack within the train or platform. Additional measures in the form of Sensitization and training of station/frontline staff will minimise impact of CBRN attack in the train and platform. Training Centres can develop modules. Upcoming multi-disciplinary zonal & divisional training centres can be utilized for sensitizing and training of Staff in CBRN incidences.
12	Provision of personal protection equipment and other equipment, to Para medics and Medical officers for the limited role in case of CBRN attack within the trains or platforms.	The provision of PPE (Personal Protection Equipment) is now made available at present to paramedics and medical officer for biological agents. For CRN situation PPEs are not available. PPEs for CRN situation will be procured.

13	Training for Trainers of Medical department so that this could be proliferated to other Doctors and other Para Medical Personnel on all Indian Railways in nominated Railway Training Institute/s.	Training for trainers has been given at NDRF/BRC and subsequently more than 40% are sensitised by these trainers in the divisions.
13	Training to the Doctors in the treatment of specific injury from CBRN disasters and also keep medicines, the vaccines, equipment and disposables etc as per National Plan.	CBRN training have been provided to selected doctors and paramedics. Medicines and equipment will be arranged. However, there is no separate institute available at present for CBRN related training in the railway.
14	Training of Fire detection and suppression system at important installations.	Fire detection and suppression system is in place in JRH and other divisional hospitals.
15	Identification of sensitive/Vulnerable installations & infrastructure for modernization of Relief/ Rescue during disasters (Ref 7.9 of RB DMP-2017).	Hospitals are vulnerable for fire incidences Hence; fire safety audit is done in all the hospitals. Any deficit found in audit will be complied.

CHAPTER - 8

ROLE OF SECURITY DEPARTMENT IN DISASTER MANAGEMENT

8.1 Security Setup over Indian Railways

At present, a three-tier security system of **District Police**, **Government Railway Police (GRP)** and **Railway Protection Force (RPF)** is prevailing over Indian Railways-

- **GRP:** GRP is a wing of the State Police responsible for prevention and detection of crime and maintenance of law and order in station premises, circulating area and trains. 50% of the cost on GRPs is shared by Railways with respective States.
- **District Police:** Security of tracks and bridges.
- **RPF:** Protection and security of railway property, passenger area, passengers and matters connected therewith. RPF functions under the Ministry of Railways.

8.2 Role of RPF in Disasters:

First information about any disaster related to train or railway premises is usually received by nearby RPF post or outpost. First of all, the person who received such information will collect the maximum number of manpower as soon as possible and send them to the accident site by available means. RPF personnel who reaches spot first will be First Responder.

In case of any disaster affecting Railways viz. serious train accidents, fire incidents, explosion in trains or on railway premises, terrorist acts, hijacking of train, etc., as also natural disasters, RPF will coordinate with other Departments of Railways, GRP/District Police and various Central and State authorities for speedier relief and rescue operations.

- After sending the immediate force available without delay, collect additional manpower from the post or outpost.
- Information will be sent to the Senior Supervisory Officers and the control room of the Board/Regional Headquarters immediately.
- Information will be sent to the Regional Police and Police Control Room as soon as possible.
- He will seek more force from the nearby Post/Outpost. Reserve Line, Divisional headquarters or Zonal Reserve. If there is a Railway Protection Special Force (RPSF) battalion or company located nearby, to cope with such an emergency situation, unless additional force is obtained from other sources, it can be asked to supply force members.

- When sending additional force, it will be ensured that they have been given necessary equipment available for the rescue, relief and security of the incident site, which is as follows: -
 - I. Torch, dragon search light or other equipment for lighting.
 - II. Nylon ropes and plastic pillars to keep the unwanted crowd away from the affected area and keep them separate.
 - III. Loud speakers to make announcements.
 - IV. Stretcher and First Aid Equipment.
 - V. Wireless set to maintain dialogue.
 - VI. Camera to take photos of event site.
 - VII. Video recording of rescue and relief operations and related administrative arrangements.
 - VIII. In cases of Chemical, Biological, Radiological & Nuclear (CBRN) Disasters or a natural calamity, RPF will provide support services in rescue, rehabilitation and mitigation efforts.
 - IX. RPF will play an active role in crowd control along with GRP/District Police personnel and Commercial Department of Railways at disaster site.
 - X. The deployment of the RPF may be done on need basis to provide relief, rescue and rehabilitation consequent to any disaster situation over railways.

8.3 Current Preparedness

8.3.1 Coordination- Coordination with GRP, State Police and Civil authorities is ensured at the Divisional and Zonal level by concerned RPF officials.

An SOP on “Coordination and Flow of Information between RPF and State Agencies” has also been circulated to all zonal railways for information and necessary action [2014/Sec(Spl)/200/10, dated 10.09.2014].

State Level Security Committees for Railways (SLSCRs) have also been constituted in each State under Director General of Police of respective States with representatives of RPF, GRP, Intelligence & IB. Constitution of SLSCRs has been done with a view to have regular review of security over railways and to address railway related security issues at appropriate level.

Home Secretaries of all the States have been advised by the Min. of Home Affairs regarding initiation of action for expeditious clearance by the State Police in case of railway accident involving loss of human lives or injuries to the passengers, etc. [No.VI24022/11/2002-PM-I, dated 24th December, 2002]. This letter of the Ministry of Home Affairs has also been circulated to all the General Managers for information and necessary action vide letter No.2002/Sec (Cr.)/45/47, dated March 27,2003.

8.3.2 Disaster management Teams- As per recommendations of the High Level Committee, a Disaster Management Team of 15 RPF personnel has been constituted in each Division with provision of necessary equipment viz. torches and other lighting arrangements, nylon ropes and poles for segregating the affected areas from unwanted visitors and spectators, loud-hailer, stretchers and first aid equipment, wireless sets for inter-communication, cameras for photography of scene of incident, luminous jackets, etc.

Guidelines also exist for ensuring availability of off duty RPF staff for dispatching them to place of occurrence in case of major disasters affecting Railways.

8.3.3 Crowd Control and Management- For effective crowd control, RPF, GRP and District Police have to act in a synchronized manner in coordination with civil authorities. Chapter 11 (Maintenance of Public Order and Tranquillity) of the Bharatiya Nagarik Suraksha Sanhita (BNSS-2023) deals with 'Unlawful Assemblies'. Legal procedures are outlined in Sections 148 to 151 of the BNSS-2023 for dealing with Unlawful Assemblies. Enabling provisions are also available under rule 243 of the RPF Rules 1987 empowering Superior officers of the Force to disperse unlawful assembly.

It is, however, essential that the District Magistrate (Dy Commissioner) or the Civil Police (Senior Superintendent of Police) provide advance information to the Railways (DRM) of the dates of expected rush; and also, the volumes of rush (including some rough assessment of direction wise destination).

On Western Railway the recommendations of the Committee in this regard is being followed by the Division. A training programme has also been organised in the Divisional level regarding steps to be taken by RPF. All IPFs of Posts and Outposts have been instructed to act according to the recommendations. RPF staff have been briefed and trained to effectively control mobs at the accident sites by using nylon ropes, luminous jackets and human chains and also to keep the luggage of the victims under safe custody at the accident sites and Train Manager till the return to the victims' relatives. They have also been briefed to treat the VIPs and Media persons effectively.

8.3.4 Close Circuit Television (CCTV) Cameras at stations and trains- 254 railway stations have been provided with CCTV cameras over western Railways. CCTV cameras have also been provided in few trains. Process has been further initiated to provide CCTV cameras to cover all the railway stations and coaches of trains to further strengthen surveillance mechanism over Railways.

Existing CCTV surveillance system at the railway stations need to be upgraded to incorporate intelligent video analytics to get timely information when heavy crowd builds up within station premises and plan follow-up action. Pictures stored on CCTV system will be of immense help in identifying miscreants and in initiating legal action against such elements. One of the intelligent video analytics envisaged for CCTV surveillance under the Integrated Security System is 'Crowd Management' to signal for crowd density within station premises when it exceeds the prescribed limit.

8.3.5 Upgradation of All India Security Help Line (139)- A 24x7 security helpline has been made functional through Security Control Rooms of RPF to provide round the clock security related assistance to passengers. This Helpline is functioning through a three-digit no. 139. The helpline has already been upgraded by provision of ACD machines, call recording, automatic registration, feedback SMS after registration and after taking action along with a dashboard for monitoring.

8.4 Explosive Detection & Disposal

At present, Railways relies upon the States and Central Security Agencies for bomb detection/ disposal over railways.

Bomb detection system has been envisaged under Integrated Security System. It provides for development of detection capability in RPF. RPF personnel are being trained in phased manner in each Zonal Railways to develop capability in bomb detection.

Presently, 44 (19-Sniffer, 06-Narcotics, 18-Tracker & 01-Wildlife sniffer) dogs are available with RPF/ Western Railway.

Note: - 19 Sniffer/explosive dogs are available for detection of explosives.

Preventive measures to be taken in such situations have been separately circulated vide Security Directorate Secret Letter No. 2003/Sec (Spl)200/14 dated 16.01.2008.

8.5 Handling of Terrorist Acts & Hijacking of Trains

Procedures have been outlined in the Crisis Management Plans of the Government of India, of the Ministry of Home Affairs and of the Ministry of Railways to tackle such situations. Above mentioned secret documents are available with concerned Authorities and action has to be ensured in accordance with the provisions mentioned in the above-mentioned plans.

Ministry of Home Affairs is the Central Nodal Ministry to tackle hostage or terrorist situations requiring specialized handling. National Security Guard (NSG) has to be requisitioned in such situations. Crisis Management Plan of the Ministry of Railways envisages management of such crisis by the National Crisis Management Committee (NCMC) and Crisis Management Group (CMG) at the Railway Board Level and by the zonal management group at the zonal level.

Coordinated efforts have to be ensured by all security agencies present at the spot. Senior most official available at the spot shall handle situations in accordance with conditions of the crisis at local level and instructions received from concerned Crisis Management Groups at Zonal and National levels.

8.6 Preparedness of Western Railway:

The compliance of Railway Board Disaster management plan Guide lines, regarding current preparedness, integrated security system, Explosion in trains and railway premises & Terrorist act & Hijacking of trains is summarized below Division wise:

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S. N.	Guidelines RB DMP	WR Preparedness					
		BCT	BRC	ADI	RTM	RJT	BVP
1	Compliance of Standing Order No. 34 in the event of railway accidents and other calamities.	Standing order No. 34 is being complied.	Standing order No. 34 is being complied.	Standing order No.34 is being complied.	Standing order No. 34 is being complied.	Standing order No. 34 is being complied.	Standing order No. 34 is being complied.
2	Implementation of SOP a Co-ordination and Flow of Information between RPF and State Agencies as per letter (2014/Sec (Spl.)/200/10 dated 10.09.2015].	SOP on Co-ordination and Flow of information between RPF and Agencies is being complied.	SOP on Co-ordination and Flow of information between RPF and Agencies is being complied.	SOP on Co-ordination and Flow of information between RPF and Agencies is being complied.	SOP on Co-ordination and Flow of information between RPF and Agencies is being complied.	SOP on "Co-ordination and Flow of Information between RPF and State Agencies" is being complied over WR.	SOP on Co-ordination and Flow of information between RPF and Agencies is being complied.
3	Constitution of a Disaster Management Team of 15 RPF personnel and provision necessary equipment.	Team of RPF consisting 15 staff of various ranks for disaster management have already been formed at RTM DIV. over WR and equipped with disaster related equipment viz. Torches and other lighting arrangements. nylon ropes and poles for segregating the affected areas from unwanted visitors and spectators, loud-hailer, stretchers and first aid equipment, wireless sets for inter-communication cameras for photography of scene of incident, luminous jackets etc.	Team of RPF consisting 15 staff of various ranks for disaster management have already been formed at BRC DIV. over WR and equipped with disaster related equipment viz. Torches and other lighting arrangements. nylon ropes and poles for segregating the affected areas from unwanted visitors and spectators, loud-hailer, stretchers and first aid equipment, wireless sets for inter-communication cameras for photography of scene of incident, luminous jackets etc.	02 Team of RPF consisting 15 staff of various ranks in each team for disaster management have already been formed at divisional level and equipped with disaster related equipment viz. Torches and other lighting arrangements, nylon ropes and poles for segregating the affected areas from unwanted visitors and spectators, loud-hailer, stretchers and first aid equipment, wireless sets for inter-communication , cameras for photography of scene of incident, luminous jackets, etc.	One team consisting of 15 RPF staff of various ranks has been constituted at Divisional level and equipped with disaster related equipments i.e. Nylon ropes, illumines jackets, Iron Pole, Fiber Lathis etc which help on duty RPF staffs in segregating the affected areas from unwanted visitors, antisocial elements and spectators, PA System in order to guide Rly/RPF staff, relatives of victim and others, First Aid Boxes to provide first aid to less affected victim, wireless sets to make better inter communications , binocular for thorough surveillance at PO and camera for proper photography and Videography.	Team of RPF consisting 15 staff of various ranks for disaster management have already been formed at all divisions over WR and equipped with disaster related equipment viz. Torches and other lighting arrangements, nylon ropes and poles for segregating the affected areas from unwanted visitors and spectators, loud-hailer, stretchers and first aid equipment, wireless sets for inter-communication, cameras for photography of scene of incident, luminous jackets, Gum boots, Power bank, Raincoats, Life jacket, inflatable tube (marine tube), etc.	Team of RPF consisting of 25 staff of various ranks for Disaster Management have already been formed at Divisional level and well equipped with Disaster related equipment namely torches, stretchers, luminous jackets, First Aid Boxes, Loudhailers, Nylon ropes, and Que managers for segregating unwanted visitors from affected area and cameras for capturing photographs of incident. Apart from that 05 Disaster Management teams have also been formed at RPF posts.

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4	Implementation of Guidelines for ensuring availability of off duty RPF staff for dispatching them to place of occurrence in case of major disasters affecting Railways.	All ASCs have been directed to instruct all IPFs to ensure availability of off duty RPF staff in case of major disaster affecting railways and dispatching them to place of incidence by quickest means.	ASC/BRC have been directed to instruct all IPFs to ensure availability of off duty RPF staff in case of major disaster affecting railways and dispatching them to place of incidence by quickest means.	All concerned posts have been directed to ensure availability of off duty RPF staff in case of major disaster affecting Railways and dispatching them to place of incidence by quickest means.	ASC/RTM and UJN have been directed to instruct all IPFs to ensure availability of off duty RPF staff in case of major disaster affecting railways and dispatching them to place of incidence by quickest means.	All Sr. DSCs / DSCs have been directed to instruct all IPFs to ensure availability of off duty RPF staff in case of major disaster affecting Railways and dispatching them to place of incidence by quickest means.	ASC/BVP has been instructed to brief all IPFs regarding availability of on duty as well as off duty RPF staff at the time of exigency in major disaster that affect smooth operation of railway and in dispatching them to safer place by quickest means of transport.
5	Compliance of MHA guidelines Initiation of action for expeditious clearance [No. VI-24022/11/2002-PM-1 by the State Police in case of Railway dated 24 December, 2002) circulated vide letter 2002/Sec injuries to the passengers are being (Cr/45/47, dated March 27 2003) for expeditious clearance by the State Police in case of railway accident involving loss of human lives or injuries to the passengers.	Initiation of action for expeditious clearance by the State Police in case of Railway Accident involving loss of human lives, or injuries to the passengers are being complied by making co-ordination at various level.	Initiation of action for expeditious clearance by the State Police in case of Railway Accident involving loss of human lives, or injuries to the passengers are being complied by making co-ordination at various level.	Initiation of action for expeditious clearance by the State Police in case of Railway Accident involving loss of human lives, or injuries to the passengers are being complied by making co-ordination at various level.	Initiation of action for expeditious clearance by the State Police in case of Railway Accident involving loss of human lives, or injuries to the passengers are being complied by making co-ordination at various level.	Initiation of action for expeditious clearance by the State Police in case of Railway Accident involving loss of human lives or injuries to the passengers are being complied by making co-ordination at various level.	Initiation of action for expeditious clearance by the State Police in case of Railway accident involving loss of human lives or injuries caused to passengers are being complied in co-ordination with State police and Railway Administration
6	Provision of Integrated Security Scheme at railway stations over Western Railway.	Status of CCTV Surveillance System, Access control (under vehicle scanning system. Personal and baggage scanning system (HHMD, DFMD Baggage Scanner & Bomb detection and disposal system). The details of the stations having this system are detailed in the Divisional Disaster Management Plans.	Status of CCTV Surveillance System, Access control (under vehicle scanning system. Personal and baggage scanning system (HHMD, DFMD & Baggage Scanner & Bomb detection and disposal system). The details of the stations having this system are detailed in the Divisional Disaster Management Plans.	Ahmedabad station is under ISS, wherein UVSS, Baggage scanner, HHMDs are available in Ahmedabad division.	Status of CCTV Surveillance System, Access control (under vehicle scanning system. Personal and baggage scanning system (HHMD, DFMD & Baggage Scanner & Bomb detection and disposal system). The details of the stations having this system are detailed in the Divisional Disaster Management Plans.	Status of CCTV Surveillance System, Access control (under vehicle scanning system, Personal and baggage scanning system (HHMD, DFMD & Baggage Scanner & Bomb detection and disposal system). The details of the stations having this system are detailed in the Divisional Disaster Management Plans.	No station of BVP division covered under ISS. However, station security plan of Bhavnagar terminus has been executed and installed with CCTV Surveillance System Access control (Under Vehicle Scanning System for scanning of vehicles) Personal and baggage scanning done through (HHMD DFMD & Baggage Scanner). BDDS equipment are also made available at divisional level for detection of explosives and its disposal.

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7	Provision of CCTV Surveillance System, baggage scanners, Under Vehicle Scanning System (UVSS) and bomb detection & disposal equipment over Western Railway under ISS scheme and in overall including ISS.	At present 3419 cameras are installed at 54 stations of MMCT Division including 2815 CCTV cameras under ISS at 31 stations from Churchgate-Virar and Surat. 05 Baggage scanners are installed at important stations of MMCT division/WR Including 02 of ISS. Bomb Blanket is kept with MMCT division/WR. DFMDs-16 The details are available in the Divisional Disaster Management Plans	At present total 608 (598+10) cameras are installed at 37 stations of BRC division/WR. Vadodara division does not cover under ISS. Additional 489 cameras is proposed in BRC division. ISS - Nil 03 Baggage scanners are installed at Vadodara station in BRC division. No BDDS Equipment is available in BRC division. DFMDs-15	Ahmedabad station identified for installation of 109 CCTVs under ISS. 02 Baggage scanners have been installed. The work of provision of the system is in progress and the details are available in the Divisional Disaster Management Plan.	At present 801 CCTV cameras are installed at 45 stations over RTM Division including 102 CCTV at Ujjain Station under ISS. Additional 1119 CCTV cameras is under progress to be installed. So that all locations can be covered. 02 Baggage scanners are installed at Indore & Ujjain Stations of RTM division/ WR. 02 items (01 DSMD & 01 Electronic Stethoscope) of BDDS equipment are available in RTM division/WR. DFMDs-Nil	At present 448 CCTV cameras are installed at 22 stations over RJT Division /WR. Additional 390 CCTV cameras is under progress to be installed. So that all locations can be covered. cameras under ISS at 04 stations from RJT, JAM, SUNR & DWK 03 Baggage scanners are installed at Rajkot and Jamnagar station. No BDDS Equipment is available in RJT division/WR. DFMDs-05 The work of provision of the system is in progress and the details are available in the Divisional Disaster Management Plan.	At present 604 CCTV cameras are installed at 48 stations over BVP Division /WR. Additional 609 CCTV cameras is under progress to be installed. So that all locations can be covered. Bhavnagar division does not cover under ISS . 02 Baggage scanners are installed at Bhavnagar and Junagadh station. 01 UVSS is available at Bhavnagar station 16 items of BDDS equipment are available in BVP division/WR. DFMDs-24
8	Sanction for installation of CCTV cameras in A1, A, B & C category Railway under Nirbhaya Fund and its progress.	Installation of 1214 CCTV Cameras under Nirbhaya fund in 64 Railway Stations i.e. A-04 B-03, C-07, D-15 & E-35 categories have been proposed. Out of which 482 cameras are installed at 23 stations and remaining installation is under process.	Installation of 311 CCTV Cameras out of total proposed 417 CCTV has been installed under Nirbhaya fund at 06 Railway Stations i.e. A-1 - 01(BRCP), A-4 (AKV, BH, ANND, ND0 & B-01(GDA), Other Than Nirbhaya Fund the total stations are 67 in D&E categories where the total number of proposed CCTVs are 670 out of which 297 CCTVs has been installed.	Installation of 1496 CCTV Cameras under Nirbhaya fund in 120 Railway Stations i.e. A-05, B-02, C-0, D& E-118 categories are proposed	Installation of 1800 CCTV Cameras under Nirbhaya fund in 100 Railway Station i.e. A1, A, B & C =794 D&E-1006 TOTAL 1800 have been proposed out of which 356 Cameras are Installed at 08 Railway Stations i.e. A Cat.4 stn 220 CCTV, B Cat.4 stn-136 CCTV and D & E Cat.36 Stn-343 CCTV and remaining installation is under process.	Installation of 838 CCTV Cameras under Nirbhaya fund in 53 Railway Stations i.e. A1-01, A-02 B-04, D & E-46 categories have been proposed. Out of which 448 cameras are installed at 22 stations and remaining installation is under process.	Installation of 132 CCTV Cameras under Nirbhaya fund in 62 Railway Stations i.e. A - 04 B-03, C 07, D-13 & E0-35 categories have been proposed. Out of which 238 cameras are installed at 06 A category stations and remaining installation is under process

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9.	All India Security Help- Line 182 through Divisional Security Control Rooms of RPF & another Security Helpline 1800111322 from Railway Board, Rail Bhavan, New Delhi to provide round the clock security related assistance to passengers over Western Railway.	RPF personnel are being deployed at Security Control Rooms 24x7 for smooth functioning and maintaining of 139 Rail Madad portal. All the grievances are being attended and timely redressed.	RPF personnel are being deployed at Security Control Rooms 24x7 for smooth functioning and maintaining of 139 Rail Madad portal. All the grievances are being attended and timely redressed.	RPF personnel are being deployed at Security Control Rooms 24x7 for smooth functioning and maintaining of security helpline No. 139 stern action is being taken by Staff manned at DSCNL.	RPF personnel are being deployed at Security Control Rooms 24x7 for smooth functioning and maintaining of 139 Rail Madad portal. All the grievances are being attended and timely redressed.	RPF personnel are being deployed at Security Control Rooms 24x7 for smooth functioning and maintaining of security helpline No. 182. There are total 21 lines available at Divisional Security Control Rooms i.e. BCT-06, BRC-03, ADI-03, RTM-03, RJT-03 & BVP-03. All calls are being attended and no calls lie on waiting.	RPF personnel are being deployed at Security Control Rooms 24x7 for smooth functioning and maintaining of 139 Rail Madad portal. All the grievances are being attended and timely redressed.

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10	Up-gradation of existing CCTV surveillance system at the Railway Stations for incorporating intelligent video analysis to get timely information when heavy crowd builds up within station premises and plan follow-up action	3419 CCTV cameras (2815 under ISS, 122 under MRVC and 482 under VSS) have been installed at important stations over MMCT division/Western Railway. Installation of 1214 CCTV cameras at 64 Railway Stations over MMCT division/Western Railway under VSS (Nirbhaya Fund) through Rail Tel Corporation Ltd is under process and 482 cameras Installed at 23 stations. Existing CCTV surveillance system at the railway stations needs to be upgraded to incorporate intelligent video analytics to get timely information when heavy crowd builds up within station premises	608 CCTV Cameras (598 under VSS and 10 by Construction department) have been installed at important stations over BRC division/Western Railway. Installation of 1087 CCTV cameras at 73 Railway Stations over BRC division/Western Railway under VSS (Nirbhaya Fund) through Rail Tel Corporation Ltd is under process and 598 cameras installed at 36 stations. Existing CCTV surveillance system at the railway stations needs to be upgraded to incorporate Intelligent video analytics to get timely information when heavy crowd builds up within station premises and plan follow-Up action. Pictures stored on CCTV system will be of immense help in identifying miscreants and in initiating legal action against such elements One of the intelligent video analytics envisaged for CCTV surveillance under the Integrated Security System is Crowd Management to signal for crowd density within station premises when it exceeds the prescribed limit.	1400 CCTV at 120 station under VSS is under Process, out of which 549 CCTV cameras at 40 stations have been installed. Moreover, under ISS 109 CCTVs (Including 12 FRS) have been installed	801 CCTV cameras (102 under ISS) have been installed at important stations over RTM division/Western Railway. Installation of 1800 CCTV cameras at Railway Stations over RTM division/Western Railway under VSS (Nirbhaya Fund) through Rail Tel Corporation Ltd is under process. Existing CCTV surveillance system at the - railway stations needs to be upgraded to incorporate intelligent video analytics to get timely information when heavy crowd builds up within station premises and plan follow-Up action. Pictures stored in CCTV system will be of immense help in identifying miscreants and initiating legal action against such elements.	448 CCTV cameras have been installed at important stations of RJT division/ Western Railway. Installation of 838 CCTV Cameras at 53 station under Nirbhaya fund through Rail Tel Corporation Ltd is under process A survey has been conducted in coordination with GRP, SSE/Tele and SSs and it has been contemplated to install 2815 Nos. (2729 CCG-VR & 86 ST) high-resolution CCTV cameras incorporating latest technology. Installation of 2729 CCTV cameras under ISS work in CCG VR is in progress, work likely to be completed in FY 2020-21. Proposal for installation of CCTV cameras at 50 Railway Stations over Western Railway under Nirbhaya Fund is under process through Rail Tel Corporation LTD. Existing CCTV surveillance system at the railway stations needs to be upgraded to incorporate intelligent video analytics to get timely information when heavy crowd builds up within station premises and plan follow-up action. Pictures stored on CCTV system will be of immense help in identifying miscreants and in initiating legal action against such elements. One of the intelligent video analytics envisaged for CCTV surveillance under the Integrated Security System is 'Crowd Management' to signal for crowd	604 CCTV cameras have been installed at important stations of BVP division/ Western Railway. Installation of 109 CCTV Cameras at 87 station under Nirbhaya fund through Rail Tel Corporation Ltd is under process under Nirbhaya Fund by Rail-Tel over BVP division. Apart from these total 1150 CCTV cameras to be installed at 90 Railway Stations over BVP division. Existing CCTV surveillance system all the railway stations needs to be upgraded to incorporate intelligent video analytics to information when heavy crowd builds up within station premises and plan follow-Up action. Footage stored in CCTV system will be of immense help in identifying miscreants/culprits who are found to indulged in illegal activities.

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						density within station premises when it exceeds the prescribed limit.	
11	RPF personnel training to develop capacity in bomb detection.	All the items of BDDS Equipment have been DSD-8 on 03.10.2025 except Blanket. Bomb detection teams have been formed in MMCT division and one BDDS has been procured and allotted to the teams. Total 02 staff of this division have successfully undergone BDDS course in different training centres More Staff will be directed as and when slots are allotted to this railway.	No BDDS Equipment is available in BRC division. Bomb detection teams have been formed in BRC division. Total 02 staff of this division have successfully undergone BDDS course in different training centers More Staff will be directed as and when slots are allotted to this railway.	05 staff of Ahmedabad division have undergone BDDS course in different training centers.	02 items of BDDS equipment are available in RTM division/WR. Total 02 staff of this division have successfully undergone BDDS course in different training centers More Staff will be directed as and when slots are allotted to this railway.	No BDDS Equipment is available in RJT division/WR. Bomb detection teams have been formed in every division and 19 BDDS equipment have been procured and allotted to the teams. Till date 37 staff of this railway have successfully undergone BDDS course in different training centres. More Staff will be directed as and when slots are allotted to this railway.	16 Nos. BDDS equipment are available for bomb detection One RPF staff fully trained is posted in BDDS. Total 03 staff of this division have successfully undergone BDDS course in different training centres. More Staff will be directed as and when slots are allotted to this division.
12	Availability of no. of trackers and sniffer dogs with RPF for detection of explosives and search.	13 Dogs working at BCT/Div. (05 Dogs Sniffer, 04 Dogs Tracker, 03 Dogs Narcotics & 01 Dog Wild life Sniffer)	There are 02 Sniffer, 01 narcotics detection, 02 tracker dogs. Total 05 Dogs are available over BRC Division/Western Railway.	05 sniffer dogs and 02 tracker dogs are available at the important posts over the division	There are 09 dogs in which 01 narcotics detection, 04 tracker and 04 Sniffer dogs are available.	There are 03 Sniffer dogs, 03 Tracker dogs. Total 06 Dogs are available over RJT Div.	02 Nos. of RPF dogs (01 Tracker and 01 Sniffer) are available over BVP division/Western Railway for detection of explosives and utilized for search. Apart for that 01 pup (Sniffer) is also available and due for training at BLTC/ Dayabasti in the month of February, 2024.
13	Compliance of Security Directorate Secret letter No. 2003/Sec (Spl.)200/14 dated 16.01.2008.	As per Security Directorate's Secret letter preventive measures are being taken RPF bomb detection and disposal squad teams are exist in MMCT division of Western Railway which is equipped with modern equipment. Trained RPF personnel and sniffer dogs are being utilized during bomb threat call, hoax	As per Security Directorate's Secret letter preventive measures are being taken RPF bomb detection and disposal squad teams are exist in BRC division of Western Railway which is equipped with modern equipment. Trained RPF personnel and sniffer dogs are being utilized during bomb threat call, hoax	As per Security Directorate's Secret letter, preventive measures are being taken. Trained RPF personnel and sniffer dogs are being utilized for Anti Sabotage Checks during bomb threat call, hoax call with the help of GRP and City Police. Explosive detection and disposal is a highly skilled and challenging	As per Security Directorate's Secret letter preventive measures are being taken Trained RPF personnel and sniffer dogs are being utilized during bomb threat call, hoax call with the help of GRP and City Police.	According to the security letter, preventive measures are being taken. Trained RPF personnel and Sniffer dogs are being used to respond to bomb threat calls and hoax calls, with the assistance of the GRP and city police bomb squads. Detecting and disposing of explosives is a highly skilled and difficult task. The bomb detection system is envisioned as part of the integrated security system.	As per Security Directorate's letter preventive measures are being taken RPF bomb detection and disposal squad teams are exist, BVP division of Western Railway which is equip with modern equipment. Trained RPF personnel and sniffer dogs are being utilized during bomb threat call, hoax call with the help

DISASTER MANAGEMENT PLAN

		call with the help of GRP and City Police. Explosive detection and disposal is a highly skilled and challenging job. Bomb detection system has been envisaged under Integrated Security System. RPF personnel are being trained in phased manner to develop capability in bomb detection over MMCT division/Western Railway.	call with the help of GRP and City Police. Explosive detection and disposal is a highly skilled and challenging job. Bomb detection system has been envisaged under Integrated Security System. RPF personnel are being trained in phased manner to develop capability in bomb detection over BRC division/Western Railway.	job. Bomb detection system has been envisaged under Integrated Security System. RPF personnel are being trained in phased manner to develop capability in bomb detection over Western Railway.	Bomb detection system has been envisaged under Integrated Security System. RPF personnel are being trained in phased manner to develop capability in bomb detection over RTM division/Western Railway.		of GRP and City Police Explosive detection and disposal as a highly skilled and challenging job. Bomb personnel are being trained in phased manner to develop capability in bomb detection over division/Western Railway.
14	Compliance of Procedures outlined in the Crisis Management Plans of the GOI, of the MHA and of the Ministry Such situations of Terrorist acts & Hijacking of trains.	Above mentioned secret documents are available with concerned authorities and action has to be ensured in accordance with the provisions mentioned in the above plans.	Above mentioned secret documents are available with concerned authorities and action has to be ensured in accordance with the provisions mentioned in the above plans.	Above mentioned secret documents are available with concerned authorities and action has to be ensured in accordance with the provisions mentioned in the above plans.	Above mentioned secret documents are available with concerned authorities and action has to be ensured in accordance with the provisions mentioned in the above plans.	Above mentioned secret documents are available with concerned authorities and action has to be ensured in accordance with the provisions mentioned in the above plans.	Above mentioned secret document are available with concerned authorities and action has to be ensured in accordance with the provisions mentioned in the above plans.
15	Availability of Quick Reaction Teams (QRTs) of RPF personnel round the clock at bigger stations to tackle terrorist attacks.	All-important Railway Stations are being manned by deploying Armed RPF QRT teams round the clock. The teams immense help to tackle such situations during initial phases especially in cases of terrorist attacks.	All-important Railway Stations are being manned by deploying Armed RPF QRT teams round the clock. The teams immense help to tackle such situations during initial phases especially in cases of terrorist attacks.	All-important Railway Stations are being manned by deploying Armed RPF QRT teams round the clock during festival/summer seasons. The teams immense help to tackle such situations during Initial phases especially in cases of terrorist attacks.	All-important Railway Stations are being manned by deploying Armed RPF QRT teams round the clock. The teams immense help to tackle such situations during initial phases especially in cases of terrorist attacks.	All-important Railway Stations are being manned by deploying Armed RPF QRT teams round the clock. The teams immense help to tackle such situations during initial phases especially in cases of terrorist attacks.	All-important Railway Stations are being manned by deploying Armed RPF QRT teams round the clock. The teams immense help to tackle such situations during initial phases especially in cases of terrorist attacks.
16	Fire detection and suppression system at important installations.	Important phone numbers like fire brigade, hospital, Police stations etc. are displayed in the duty room of every RPF post where 24x7 hrs. staff is deployed.	Important phone numbers like fire brigade, hospital, Police stations etc. are displayed in the duty room of every RPF post where 24x7 hrs. staff is deployed.	Important phone numbers like fire brigade, hospital, Police stations etc. are displayed in the duty room of every RPF post where 24x7 hrs. staff is deployed.	Important phone numbers like fire brigade, hospital, Police stations etc. are displayed in the duty room of every RPF post where 24x7 hrs. staff is deployed.	Important phone numbers like fire brigade, hospital, police stations etc are displayed in the duty room of every RPF post where 24x7 hrs. staff is deployed.	Important phone numbers like fire brigade hospital, Police stations etc. are displayed in the duty room of every RPF post where 24x7 hrs. staff is deployed.

CHAPTER - 9**DISASTER COMMUNICATION SYSTEM****9.1 Communication on Railways for Disaster Management:**

Railways have their own extensive communication systems which would be used for Disaster Management too. However, we need to have back-ups specially to ensure 100% communication availability in case of any type of man-made or natural disasters. Sharing of OFC network, where required with others may be ensured by tie-ups in advance. This will be also inter-linked with the communication system with outside agencies of the concerned Central and State Governments, IMD etc.

Preparatory work may be done for quick installation of communication system (satellite system) between Railway control set up for flood and affected locations /station. This can even be on make shift raft, boat etc. Similar arrangements can also be made in earthquake affected areas.

Prepared Ness of Western Railway:**❖ Optic Fibre Communication system:**

Western Railway has its own captive Optic fibre communication network for Railway operations. Railway communication networks are not being shared by any other service providers/outside Central or State agencies etc. These OFC communication networks have back up / ring protected route diversity on Rail Tel long haul network in most of the sections. The details of Communication System are as below: -

❖ OFC communication system:

Sections shown in table A are low density Traffic /small Section/Route where OFC is yet to be provided.

Table A			
S.N No.	Division	Gauge	Section
1	Vadodara	BG	Ankleshwar-Rajpipla
2	Ratlam	MG	DADN (Mhow)- Sanawad

Sections shown in table B are the sections where OFC is linear i.e. without route diversity. These sections are either branch lines or with low traffic density.

Table B			
Sr. No.	Division	Gauge	Section
1	Vadodara	BG	Vasad-Kathana
2	Vadodara	BG	Bharuch-Dahej
3	Vadodara	BG	Dabhoi - Jobat
4	Vadodara	BG	Nadiad - Kapadvanj- Modasa
5	Ratlam	BG	Rau-Tihi
6	Ahmedabad	BG	Gandhidham- Kandla Port
7	Ahmedabad	BG	Samakhiali- Gandhidham-Bhuj - Naliya
8	Ahmedabad	BG	Mahesana-Varetha
9	Rajkot	BG	Kanalus-Sikka
10	Rajkot	BG	Dahinsara-Navlakhi
11	Rajkot	BG	Kanalus - Okha
12	Rajkot	BG	Jamnagar Wind Mill - Bedi Port
13	Rajkot	BG	Rajkot -Bhaktinagar
14	Bhavnagar	BG	Sihore Jn.-Palitana
15	Bhavnagar	MG	Prachi Road - Kodinar
16	Bhavnagar	MG	Talala-Delvada non controlled
17	Bhavnagar	BG	Rajula Jn. -pipava

❖ **Satellite based communication system are provided at ARTs: -**

S. N	Div.	Location	I-SAT	VSAT (Manual tracking)	VSAT (auto tracking)
1	BCT	Bandra Terminus	Available	-	-
		Valsad	Available	-	-
		Udhana	Available	-	Available
		Nandurbar	Available		
2	BRC	Vadodara (Y)	Available	-	Available
3	RTM	Ratlam	Available	-	Available
		Ujjain	Available	-	-
		Dr. Ambedkar Nagar	Available		
		Chittaurgarh	Available	-	-
4	ADI	Kankaria	Available	Available	
		Gandhidham	Available	-	-
5	RJT	Rajkot	Available	Available	-
6	BVP	Bhavnagar Terminus	Available	Available	-
		Veraval	Available	-	-

❖ **Satellite based communication system are provided other than ARTs:**

Sr. No.	Division	Location	I-SAT
1	BCT	Disaster Management Room HQ Office	Available
		NOCC (Test Room) Mumbai Central	Available
		ARME / Valsad	Available
		ARME / Nandurbar	Available
		SPARME/Udhna	Available
2	BRC	SPART / Vadodara(P)	Available
		NOCC (Test Room) Pratapnagar	Available
		Disaster Room (Divisional office Pratapnagar)	Available
3	RTM	SPART/ Ratlam	Available
		ARME / Ujjain	Available
		ARME / Chittaurgarh	Available
		DADN (Heritage)	Available
		NOCC (Test Room) Ratlam	Available
4	RJT	NOCC (Test Room) Rajkot	Available
		ARME / Rajkot	Available
		SPART / Hapa	Available
5	ADI	Disaster Management Room - Ahmedbad	Available
		SPART-Gandhidham	Available
		SPART - Palanpur	Available
		SPART - Ahmedabad	Available
6	BVP	NOCC / Bhavnagar Para	Available
		SPART / Bhavnagar Terminus	Available
		ARME(MG)/ Veraval	Available
		SPART/ Porbandar	Available

Wherever possible, communication at the relief camps is being provided if the relief camps are located near the Railway Stations and it is physically possible as per the prevailing conditions at site. At other locations, communication is possible through CUG mobile phones wherever the coverage exists.

9.2 Back up Communication on Railways:

To handle any disaster by the Railways and to utilize its resources efficiently, Communication is an essential requirement. Where required, back up (alternatives) should be adequately available. One of the strengths of the Railways to handle a disaster is its own communication network. In handling a crisis or a disaster, reliability of communication has to be cent per cent.

At the Divisional level, the control rooms have to communicate with the stations, the telephone exchange have to function and the OFC and Quad cable network has to have reliable backups to be able to be effective.

Where there is no back up of the Railways owned OFC network, an arrangement of sharing with Government/Non-Government organization and other service providers has to be planned in advance. Or else, the alternative of satellite communication be resorted to. However, the speed of reconnecting a failed communication by which ever means is of essence.

Further to provide better communication facilities during disaster, it is necessary that either the Rail net intranet network of IR is extended to every railway station of Indian Railways. Alternatively, other means of communication is provided on all the stations. This will ensure quick setup of voice, video and data transmission facility at stations during any eventuality since IR's own V-Sat Hub is now established at Thomson Road, New Delhi, voice/data/video communication facilities from this centre to different railways and divisions need to be planned and catered to.

Backup Communication of Western Railway:

The captive communication system of Western Railway has backups available on most of the routes through channels provided by RCIL (a PSU under the Ministry of Railways). The divisional control rooms are able to communicate with all the stations through control phones. Communication at major stations, where telephone exchanges are provided, is also possible through auto telephones. In addition to this BSNL phones are also provided at the control rooms and way side stations. Therefore, there are multiple modes of communication between divisional control rooms and stations. These modes of communication are available in all Broad Gauge.

Wherever Railway owned OFC networks are not available, backup channels are being hired from service provider like BSNL. Railnet may be extended to those stations where Railway exchange are provided and stations where OFC route and POP available. V-SAT communication can be established after the arrival of ART at the site as these sets are provided in the divisional ART only using IR's own V-SAT hub established at Thomson Road, New Delhi.

9.3 Incident Response System (IRS):

The National Policy on Disaster Management lays down guidelines for a chain of command in a structured unit to handle various types of Disasters as under: -

A traditional command structure exists in the Railway hierarchy which manages disasters in Indian Railways. It has been planned to strengthen and professionalize the same by drawing upon the principles of the IRS with suitable modifications. The IRS is essentially a management system to organize various emergency functions in a standardized manner while responding to any disaster. It will provide for specialized incident management teams with an incident commander and officers trained in different aspects of incident management, such as logistics, operations planning, safety, media management, etc. This will facilitate optimum utilization of resources.

The Railways have their own IRS as they have had to deal with crises like situations and mini-disasters in the day to day operational working and especially with handling of train accidents.

9.4 Coordination – Integrated Command System of Railways with Integrated Operations Centre of MHA:

Traditionally the Control Room in each Division monitors on a “Real Time” basis the train operations. This Control Room is manned round the clock and has representatives of all the departments concerned with train operations as also with abnormalities which may affect train running. The “Command and Control” of the Divisions Control Room is with the operating department who plan, execute and monitor the running of trains (both freight and coaching trains). Assistance of other departments, viz. Mechanical (Power), Electrical (Power and OHE Traction Distribution), Mechanical (Carriage and Wagon), Civil Engineering (track maintenance and monitoring), Commercial (passenger information interface), Signal and Telecom (through a ‘Test Room’), Security (RPF) etc. is provided round the clock in the Operations Control Room.

This control room of the affected divisions on the Railways will monitor the activities post Disaster and coordinates with the various organizations (rescue, relief, mitigation etc.) in the disaster areas.

The Divisional control will coordinate with the “Zonal Control” where a similar control room exists, called the Emergency Control in the Headquarters of each Zonal Railway. However, unlike divisions the controls of respective departments are not in one place or building, being situated near the offices of their departments. But this does not result in any disadvantage as main liaison is required at the level of divisions. “Zonal Control will establish liaison with the Disaster Management Centre in the Railway Board which in turn coordinate with the IOC of the MHA right from the stage of receipt and issue of “Orange or Red Alerts” and also for providing/requesting help in relief/rescue/mitigation to other departments (or State Government) or from them respectively. The Zonal Control will constantly update the position to Railway Board.

9.5 Preparedness of Western Railway:

S. N	RB DMP	Preparedness
1	Need and availability of backup communication to ensure 100% communication availability in case of any man-made or natural disasters.	In case of Man-made Disasters: - • Railways have their own extensive communication systems which would be used for Disaster Management too. • Most of the circuits working on OFC network over Western Railway are in Ring protection with 100% communication availability. • 100% communication availability during any disaster in areas / location where W. Rly OFC is not in Ring protection can be ensured by hiring leased wired / wireless circuits from other Telecom service providers. In case of Natural Disasters: - • I-SAT and V-Sat in ART can be used for communication.
2	Need and availability of sharing of OFC & Quad cable network, where required with others.	OFC and Quad cable Network is not shared by Railway with others (Central and State Governments, other agencies)
3	Need and requirement of inter-linking the communication system with outside agencies of the concerned central and state Governments, IMD etc.	Communication system with outside agencies is not inter-linked by Railway (Central, State Governments, IMD & other agencies).
4	Preparation for quick installation of communication system (satellite system) between Railway control setup for flood & earthquake affected areas and affected locations/station.	• All ARTs over Western Railway are equipped with Satellite Communication (I-Sat phone or V-Sat) facility. • The communication system can be setup from the Railway Track (location up to which ART can be reached).
5	Availability of Rail net/internet network of IR to every railway station of Western Railway.	• Presently Rail net / Internet connections have been extended to Divisional Head quarter and important stations. • Rail net/internet network can be extended to disaster location / site with the help of V-Sat communication when the ARTs reach at site/ location.
6	Planning & progress of voice /data / video communication facilities from IR's own V-SAT hub established at Thomas Road, New Delhi, to different railway stations of all divisions of Western Railway.	• Voice / Data/ Video communication can be established through VSAT hub at disaster location after arrival of ART.

CHAPTER - 10**DISASTER INFORMATION FLOWS AND ALERTS OF DISASTER****10.1 Standard Operating Procedures (SOPs):**

The Ministry of Home Affairs (MHA), as the nodal Ministry is responsible for coordinating response and relief efforts with various Ministries/Departments of the Government of India, State Governments and District Authorities. They have prepared the Standard Operating Procedures (SOPs) for handling man-made disasters (for eq. Terrorism related disasters) for which they are earmarked as the lead Ministry for disaster response, relief and mitigation.

All Central Ministries, State Governments, District Authorities and other stakeholders will prepare SOPs in consonance with the National and State Plans. The SOPs will be prescribed for activities like search and rescue, medical assistance and casualty management, evacuation, restoration of essential services and communication at disaster sites, etc. the other important activities are provision of food, drinking water, sanitation, clothing and management of relief camps. Detailed SOPs will also be devised by all concerned for dispatch, receipt and deployment of central resources.

10.2 Levels of Disasters:

The Standard Operating Procedures (SOPs) will determine the levels of disasters and for issuing alerts to electronic messaging systems to various agencies about disasters have been formulated by Ministry of Home Affairs. These SOPs will be reviewed periodically for disaster response management in case of natural and man-made disasters.

10.3 Integrated Operation Centre of MHA:

Integrated Operation Centre (IOC) has been set up in the Ministry of Home Affairs to handle disaster situations on a 24X7 basis. IOC is responsible for initiating incident alert messages when a disaster is likely to occur or when it has actually taken place.

10.4 Categorization of Alerts:

A Standard Operating Procedure has been prepared for alerts of events of different types and identifies the situations when alerts are to be sent by the IOC.

Specific hazards have different categories of alerts. Accordingly, a uniform system has been devised by categorizing each type of alert in stages – **Yellow, Orange and Red.**

10.5 Action Plan for Communication of Alert Messages:

Whenever a crisis is about to be faced, Government of India has laid down systems for warning its respective departments through an 'Alert'. It should be understood that mere issue of an 'Alert' (Yellow or Orange) is not an indication of the occurrence of a Disaster. This only signifies the existence of a crisis for which provisions of the Crisis Management Plan would come into operation.

The Action Plan for Alert Messages lays down as under:

- (i) All concerned Ministries/Departments/Organisations/Agencies will report events to IOC, MHA.
- (ii) While generating and transmitting alerts to IOC (MHA), the concerned agency, will indicate the category of the event as well as its corresponding stage (Red/Orange/Yellow).
- (iii) For natural calamities and other crisis situations categorization of Alerts is as under:

(a) AVALANCHES (Defence Research & Development Organisation):

Category	Description	Stage
Low	Generally favourable condition. Triggering is generally possible only with high additional loads and on very few extreme slopes. Only stuffs possible and reach valley in small sizes. Valley movement is safe. Movement on slopes with care.	Yellow
Medium	Partly un-favourable condition. Triggering is possible on most avalanche prone slopes with low additional loads and may reach the valley in medium size. Movement on slopes with extreme care. Valley movements with caution. Avoid steep slopes. Routes should be selected with care.	Yellow
High	Unfavourable condition. Triggering possible from all avalanche prone slopes even with low additional loads and reach the valley in large size. Suspend all movements. Airborne avalanches likely.	Orange
All round	Very unfavourable condition. Numerous large avalanches are likely from all possible avalanche slopes even on moderately steep terrain. Suspend all movements. Airborne avalanches likely.	Red

(b) TSUNAMI (Department of Ocean Development):

Category	Description	Stage
No Yellow Stage		
Moderate	When an earthquake of greater than 6.0 is reported and/or a Tsunami watch alert is received from JMA/PTWC.	Orange
Great	When change in water level after an earthquake is reported by National Institute of Ocean Technology, ITWC would issue a Tsunami Warning * as per laid down channels.	Red

* The warning may be withdrawn after a better assessment of the level of rise in water level.

(c) LANDSLIDES (Geological Survey of India):

Category	Description	Stage
IV	Landslides of small dimensions that occur away from habitations and do not affect either humans or their possessions. These may occur near infrastructural installations, agricultural and forest lands and may not affect them in a significant manner. These slides may include small incidents that block communication routes for short periods or do not affect the society in a significant manner.	Yellow
III	Landslides which are fairly large and affect infrastructural installations like strategic and important highways and roads rail routes and other civil installations like various appurtenant structures of hydroelectric and irrigation projects. The landslides that enter large water bodies like reservoirs of hydroelectric projects and could damage some of components of these projects.	Orange
II	The landslides that may occur on the fringes of inhabited areas and result in limited loss of life and property. Landslides, which result in blockade of courses of relatively smaller natural drainages. If the blockade is of relatively smaller dimensions its impact would be of a lower order. Although a threat potential is there, it may not be immediate.	Orange
I	Landslides of large dimensions that are located over or in close vicinity of inhabited areas like urban settlements or fairly large rural settlements. Activity on these slides can result in loss of human lives, dwellings on large scale. These slides may also inflict heavy losses on urban infrastructure. The slides that block busy pilgrimage routes during peak times resulting in hardships to thousands of pilgrims and sometimes resulting in loss of human life. Landslides which result in blockade of courses of relatively large natural drainages. If the blockade is fairly large it could lead to formation of a very large reservoir of water behind it. Formation of a large landslide dam could result in sudden flooding of areas located upstream. Abrupt breaching of land slide dam would suddenly release enormous quantities of water in the downstream areas leading to flash floods that could result in loss of life and damage to property on large scale.	Red

(d) CYCLONE (India Meteorological Department):

Category	Description	Stage
Cyclone Alert	Issued 48 hrs. before the commencement of bad weather when a system is located about 500 km or more away from the coast. The forecast may not contain information about landfall and hence it is still of information type but at the same time meant to trigger preparatory actions. During this stage, Disaster Managers plans on the course of action required to be initiated once the system moves closer to the coast.	Yellow
Cyclone Warning	These messages are issued 24 hours before commencement of bad weather and are of a “ serious nature ”. During this stage the system is monitored closely and the expected place & time of landfall and the districts along the coastal areas likely to be affected are clearly indicated in the warning messages. The location of the system at this stage may still be 300 km – 500 km away from the coast. Disaster Management Machinery is expected to be geared up fully during this phase.	Orange
Post landfall outlook:	During this phase warning messages are issued about 12 hours before actual landfall and are of a “ very serious nature ”. At this stage, it is expected that the Disaster Management machinery is in full operational mode to face the impending disaster. All preparedness action should have been completed by this time. MHA would be closely monitoring steps taken by the concerned State Governments regarding evacuation and relief activities like food, sanitation etc. This phase is fit to be classified as “Great Danger” and all warning messages issued to MHA Control Room are required to be forwarded to senior officials of the PMO.	Red

(e) EARTHQUAKE (India Meteorological Department):

Category	Description	Stage
Slight	$M \leq 5.0$	Yellow
Moderate	$5.0 \leq M \leq 6.9$	Orange
Great	$M \geq 7.0$	Red

(f) FLOOD (Central Water Commission):

Category	Description	Stage
IV	Low Flood (Water level between Warning Level and Danger Level).	Yellow
III	Moderate Flood (Water level below 0.50m less than HFL and above Danger Level).	Yellow
II	High Flood (Water level less than Highest Flood Level but still within 0.50m of the HFL).	Orange
I	Unprecedented Flood (Water level equal and above Highest Flood Level (HFL)).	Red

(g) RAILWAYS (Ministry of Railways):

Category	Description	Stage
Minor	Consequential Passenger Train Accident not resulting to casualty.	Yellow
Medium	1-25 casualties.	Orange
Major	26 or more casualties.	Red

(h) FOREST FIRE (Ministry of Environment & Forests):

Category	Description	Stage
Ordinary Fire	Localised fires which can be controlled by the concerned territorial Conservator of Forests.	Yellow
Medium Fire	Where large forest area is under fire, which can be controlled by the State Government and no Central intervention is sought by the State Government.	Orange
Major Fire	Large fire, which may result in substantial loss of human lives, massive environmental degradation or loss of wildlife.	Red

10.6 Monitoring/Reporting of Effects of Disaster:

On the declaration of an incident as a Disaster by a State Government or District Administrator or even by the GM/AGM of the Zonal Railway, the PCSO would give time to time updates to the Safety Control in Railway Board of the Situation. Assistance of other departments would be made available by the GM to the Safety Department on the zonal Railways.

10.7 Standard Operating Procedure (SOP) on Railways:

(a) National Disasters:

The Civil Engineering Department at the field level and on the Divisions gets information through advance warning sent by the respective Government Departments on the possibility of Floods, Cyclones, Earthquakes, Landslides etc. Depending on the gravity of the disaster/crises/calamity expected the information would be passed on to the Divisional officers through the Emergency Control which will act as the IRS. Where train operations have to be suspended or regulated the operating departments would be suitably advised. After making the train regulation plan the divisional control would advise the commercial and security departments for management of the welfare of passengers. Alerts to the passengers would be issued through the PR Department of the Railway in the Print and Electronic Media.

The DRMs on the divisions shall ensure coordination amongst the departments for ensuring running of train services (including relief special trains) as also relief arrangements for the passengers and for the Welfare of Railways own staff. Assistance of other Divisions and from the Zonal Railways would be taken through the Headquarter of the Zonal Railways (i.e. by involving the General Manager). Coordination with the IOC of MHA and NDMA/NDRF would be through the Emergency Control of each zonal Headquarter.

(b) Man-made Disasters:

Different forms of terrorism fall under the ambit of these disasters. A major role has to be played by the Security Department of the Railways who will coordinate with the State Governments and when required the Paramilitary and other forces. The Security Control of the division will act as the IRS. The Headquarter Security Control will coordinate with the IOC of MHA.

A similar system would be followed as above in organizing regulation of train services by the operating department at the divisional, zonal level and also in the Railway Board.

Chapter 11

MEDIA MANAGEMENT

(Extracts of Manual for Public Relation Department, First Edition-2007)

11.1 Authority to Deal with The Media

- 11.1.1 At the Railway Board level**, only Ministers, Chairman, Members, Secretary Railway Board, Director Public Relations (DPR), Director Information & Publicity (DIP) or any other Officer(s) especially authorized by the Minister of Railways may give information or be accessible to the representatives of the media. Any other officer, if approached by the representatives of the media is to refer them to the DPR (***the official Spokesperson for the Ministry of Railways***) or in his absence to the Information Officer. The Chairman is to be kept informed of the press conferences, if any, being held by any Member of the Board.
- 11.1.2 At the Railway/PU Headquarters level**, the General Managers and the CPROs are authorized to meet the media in a formal Press Conference or informally depending upon the importance of the nature of the information to be given. However, the General Managers may especially authorize the PHODs to give information or be accessible to the representatives of the media. Any other officer, if approached, by the media, is to refer them to the CPRO.
- 11.1.3 At the Divisional Level**, Divisional Railway Managers (DRMs) are permitted to meet the representatives of the media approaching them for factual information on specific subjects. They may also send news items concerning the working of the Railways (particularly in their Division and other matters of local interest) to the media directly or through the local office of Press Information Bureau(if available). DRMs may also hold press conferences **occasionally**. However, in respect of queries on wider policy matters concerning the Zonal Railway or the Indian Railways, the representatives of the media may politely be directed to GM/CPRO or DPR/Railway Board. In order to ensure that no unauthorized information/material is supplied to the press, the DRMs should **generally not** delegate this work to a Divisional Officer except to ADRMs. All such information/material should have **DRMs approval** before it is supplied to the press. Services of PROs (wherever positioned) may be utilized for the purpose.
- 11.1.4** It is made clear that **no unauthorized person should speak to or interact with the media**, as it may amount to un-becoming of a railway servant. In this connection, the provisions relating to official documents and responsibility of railway servants (*contained in Rule-11 of Railway Servants (Conduct) Rules, 1966*) may also kept in view.

11.2 PUBLICITY DURING ACCIDENTS/OTHER UNUSUAL OCCURENCES

- 11.2.1** In the event of accidents, resulting in damage/causalities, the image of Railways invariably suffers because of adverse reactions in public and media. In such situations, Railways must **display greater responsibility** not only in relief and rescue operations but also in interacting with the media with correct and updated information.
- 11.2.2** Sometimes, newspapers publish **contrary versions** relating to any accidents attributing them to railway sources. It is, therefore, necessary that only the authorized officers (mentioned in **para 12.1.1 to 12.1.3**) interact with the media. Unauthorized person **should not** speak to the media (as mentioned in **para-12.1.4**).
- 11.2.3** It has to be ensured that the media is kept informed of the relief and rescue measures, passengers injured and dead, restorations of the traffic, etc. to avoid breeding of gossip, rumours and sensational reporting in the absence of authentic information.
- 11.2.4** The media persons must be **briefed** at the accident site and if necessary, **at least once every day** at the Divisional/Zonal Headquarters on regular basis. For this purpose, the executive departments should ensure that the PR Department is fed with the latest information and update at top priority.
- CPRO will deploy a suitable personnel/ team to scan the news on Electronic/ print/ Social media, so as to identify adverse reporting, contradictory reporting or similar, which require clarifications to be issued. Similar action will be taken at Divisional level.**
- 11.2.5** Appropriate **rejoinders and contradictions** must be issued and copies thereof should be sent to DPR, Railway Board for briefing the media at the national level. During such emergencies, a **close contact should be established with DPR**, Ministry of Railways. It is of prime importance that PR activities have a **common strategy and one voice**.
- 11.2.6** Sometimes, train services are disrupted badly because of other reasons such as **bandh calls, rail rook agitations, etc.** by political/pressure groups etc. for causes many a time not even remotely connected with railway operations.
- 11.2.7** In situations where **advance information** of such agitations is available, zonal railways must publicize about the possibility of train services getting affected from the relevant date through suitable press notifications. These notifications must make it amply clear that the agitations and bandh calls are responsible for the cancellations/diversions of the train services, if any. Wherever necessary advertisements can also be brought out in the newspapers, TV and Radio in this regard. Apart from conveying information, such initiatives may also generate opinion against such bandh calls/agitations.
- 11.2.8** A similar action may be taken for **publicizing disruption of traffic due to floods, fog etc.** regretting inconvenience caused to the passengers and stating clearly that the reasons for such disruptions are beyond the control of Railway Administrations.

11.3 MEDIA MANAGEMENT PLAN:**11.3.1. Objective:**

- (i) To post the public with factual information.
- (ii) To create a positive public opinion.
- (iii) To create a healthy relationship with the media.

11.3.2 Managing Media:

- Any accident which may reflect in the media shall be reported to Public relations branch by central control. The safety officials available in the control shall personally ensure that CPRO/PRO is informed of all the available details.
- Depending on the gravity of the situation, CPRO or his representative will immediately position himself in the Central control.
- Either CPRO or his representative shall proceed to the accident spot, whenever required, to take charge of PR work at the site.
- Meanwhile, PR official stationed at the Central Control will obtain more details from the site for information of media.
- The public relations officer, on arrival at the site of accident shall collect factual information from the officer-in-charge of the accident site and then relay the same to the media men at site and also to PR representatives in the control. Thus, an on line communication channel will be established to keep media informed of all-important details.
- Railway's endeavour shall be to ensure that only factually correct and confirmed information is relayed to the media and no inflated or exaggerated version of the fact reported in the press.

11.4 Preparedness of Western Railway:

S. N.	RB DMP	Preparedness
1	Interaction with media at HQ level	General Manager & CPRO
2	Interaction with media at Divisional Level	DRM of concerned division and PRO
3	No unauthorized person to speak to media	All PHODs and DRMs to regularly sensitize officers and staff that only authorized persons as per DMP & PR manual can speak to media. PHODs & DRMs may take action against any unauthorized person speaking to media
4	Monitoring of News channels & Print media	HQ & Divisional PR officials are equipped with televisions and scan newspapers to monitor the news being reported on media and any incorrect reporting would be immediately countered.
5	Media Briefing	GM/CPRO brief media at accident site or at any other suitable location in an organized manner in addition to phone and video briefing.
6	Updates on Social Media	PR Department posts updates on social media handles of WR and also shares the posts of divisional handles.

Chapter 12

GUIDELINES FOR MANAGEMENT OF DISASTERS (NATURAL HAZARDS)

12.1 Background

India is the seventh-largest country by area, the second-most populous country with over 1.38 billion people and the most populous democracy in the World. Bounded by the Indian Ocean on the south, the Arabian Sea on the south-west, and the Bay of Bengal on the south-east, it shares land borders with Pakistan to the west; China, Nepal, and Bhutan to the north-east; and Burma and Bangladesh to the east. In the Indian Ocean, India's neighbours are Sri Lanka and Maldives. Andaman and Nicobar Islands share a maritime border with Thailand and Indonesia.

12.2 Disaster Risks in India:

India is vulnerable, in varying degrees, to a large number of natural as well as man-made disasters. 59% of the landmass is prone to earthquakes of moderate to very high intensity; over 40 million hectares (12% of land) is prone to floods and river erosion; of the 7500 km long coastline, close to 5700 km is prone to cyclones and tsunamis; 68% of the cultivable area is vulnerable to drought and hilly areas are at risk from landslides and avalanches. Vulnerability to disasters/emergencies of Chemical, Biological, Radiological and Nuclear (CBRN) origin also exists. Heightened vulnerabilities to disaster risks can be related to expanding population, urbanization and industrialization, development within high-risk zones, environmental degradation and climate change.

12.3 Management of cyclones:

12.3.1 Cyclone vulnerability in India:

A long coastline of about 7,516 km of flat coastal terrain, shallow continental shelf, high population density, geographical location, and land physiological features of its coastal areas makes India, in the North Indian Ocean (NIO) Basin, extremely vulnerable to cyclones and its associated hazards like storm tide (the combined effects of storm surge and astronomical tide), high velocity wind and heavy rains.

Though the frequency of Tropical Cyclones (TCs) in the NIO covering the Bay of Bengal and the Arabian Sea is the least in the world (7% of the global total), their impact on the east coast of India as well as the Bangladesh coast is relatively more devastating. This is evident from the fact that in the last 270 years, 21 of the 23 major cyclones (with a loss of about 10,000 lives or more) worldwide occurred over the area surrounding the Indian subcontinent (India and Bangladesh). This is primarily due to the serious storm tide effect in the area.

Thirteen coastal states and Union Territories (UTs) in the country, encompassing 84 coastal districts, are affected by tropical cyclones. Four states (Tamil Nadu, Andhra Pradesh, Orissa and West Bengal) and one UT (Puducherry) on the east coast and one state (Gujarat) on the west coast are more vulnerable to hazards associated with cyclones.

About 8% of the area in the country is prone to cyclone-related disasters. Recurring cyclones account for large number of deaths, loss of livelihood opportunities, loss of public and private property and severe damage to rail infrastructure.

12.3.2 National Cyclone Risk Mitigation Project:

The National Cyclone Risk Mitigation Project (NCRMP), to be implemented with financial assistance from the World Bank, is envisaged to have four major components:

- **Component- A:** Improvement of early warning dissemination system by strengthening the Last Mile Connectivity (LMC) of cyclone warnings and advisories. Railways need to obtain advance warnings from the systems developed.
- **Component -B:** Cyclone risk mitigation investments. On the Railways, along the high-risk coastal rail infrastructure lengths, a similar protection needs to be planned where required.
- **Component- C:** Technical assistance for hazard risk management and capacity-building, where required on the railway infrastructure.
- **Component- D:** Project management and institutional support by advance coordination by the Sr. DEN/PCEs of the Divisions and Zonal Railways is essential to be able to obtain it at short notice.

Early warning to station masters and passengers is the key to informing concerned stake-holders in the DM Plan. Coastal *a forestation*, construction of protection walls, cyclone shelters near railway stations where required and strengthening of bridges and rail tracks are some of the mitigation measures which Indian Railways can play to undertake, in a phased manner, as per the mitigation plan. Zonal Railways should identify the affected places and put up mitigation projects for consideration and fund allocation. Not only floods, but management of all types of disasters is the basic responsibility of the States and Central Govt. role is restricted to that of support in terms of coordination, resource allocation and making available requisite funds.

12.3.3 Coordination by Railways regarding Cyclones Risk Management, Advance Warnings and Mitigation:

The Zonal Railways in the high-risk zone of cyclones (four states – Tamil Nadu, Andhra Pradesh, Orissa and West Bengal), one UT (Puducherry) on the east coast; and one state on the west coast (Gujarat)

have to be in close coordination with the respective Government departments for handling all phases of the cyclones. These include:

- Cyclone risk mitigation investments on rail track, colonies in the vicinity of high risk area.
- Capacity building on rail tracks/bridges and important rail installations both for reducing devastation from a cyclone, and for relief, restoration etc.
- Advance warning of a cyclone. Action for regulation mainly of Passenger trains follows thereafter.

The Railway infrastructure located in the vulnerable States in part either in a densely populated area or alternately where no significant population exists. While in the former case the resources of the District/State Government would also be concentrated for rescue/relief/mitigation, in the latter case the Railways would have to depend mostly on their own resources for restoration of Railway track.

12.3.3.1 Preparedness of Western Railway:

Coastal area of Gujarat state is prone to cyclone in western region and three divisions i.e. Bhavnagar, Rajkot and Ahmedabad come in cyclone prone regions.

All the divisions and Western Railway Head Quarter office are having close coordination with state governments of Gujarat, Maharashtra & Madhya Pradesh for handling all phases of the cyclones. The following issues have been taken care of:

1. All the railway bridges and embankments on Western Railway are safely designed against flood and stability to bear cyclone effect. These parameters are also taken into account for re-construction/replacement/newlines bridges and embankments.
2. All the major and important bridges are designed for maximum runoff during the flood for their catchment area/modified catchment area.
3. All the bridges are marked with high flood level (HFL) with year and danger level (DL) in red colour. In case of any water flow crossing danger level, the train movement will be suspended in the section till, inspected by responsible official and permitted or after water level falls and traffic will be restored only after physical check against the scouring near abutments and piers by sounding method and a safety certificate is issued by competent officer at site.
4. To avoid fly/falling of GI/Aluminium/AC sheets used in station platform sheds and other structures, the necessary J bolts are provided in more quantities with wind ties.
5. The roof of old staff quarters having AC/GI sheets have been replaced with RCC and abandoned structures are dismantled after declaring unsafe as a policy.
6. Necessary specified quantities of materials like boulders, sand/stone dust/moorum/coal ash etc. are kept at nominated stations/locations in the Divisions to attend post effects of cyclone i.e. washouts, breaches immediately in cases of small cyclones.
7. Capacity building on rail tracks/bridges and important rail installations both for reducing devastation from a cyclone, and for relief/restoration etc is completed in the coastal region of all three divisions coming in Gujarat state.

8. As soon as any information is received from Indian metrology department and other agencies like CWC, State Government, local bodies etc., advance warning of a cyclone should be communicated in affected area through Railway's own telecom and control lines through on duty station masters(24 hours) and various offices and installations.
9. All the residents i.e. staff and families residing in low lying areas should be taken at safe and higher places like platforms, institute building, other sheds/structures, shelter etc available at stations.

12.3.3.2 When a train is caught in a cyclone storm at mid- section/station:

1. Loco Pilot to stop the train clear of vulnerable cuttings, bridges and high embankments.
2. Train Manager, Loco Pilot and other Railway staff on train shall open all doors and windows of all coaches.
3. Station Master shall not start trains when the wind velocity exceeds the permitted level as stipulated in Station working rules based on the wind velocity measured by anemometer installed at the station.
4. Make announcement frequently to warn the public about the storm/cyclone.
5. Take all necessary action to provide shelter and other assistance to those affected by cyclone and storm.
6. There are stations on Western Railway where anemometers have been installed for measurement of wind speeds. The details of these locations and action to be taken are included in the Divisional Disaster Management Plan.

12.4 Management of Floods:

12.4.1 Vulnerability to Floods:

Floods have been a recurrent phenomenon in India and cause huge losses to lives, properties, livelihood systems, infrastructure and public utilities. India's high risk and vulnerability is highlighted by the fact that 40 million hectares out of a geographical area of 3290 lakh hectares is prone to floods. On an average every year, 75 lakh hectares of land is affected, 1600 lives are lost and the damage caused to crops, houses and public utilities is Rs. 1805 crores due to floods.

Eighty percent of the precipitation takes place in the monsoon months from June to September. The rivers bring heavy sediment load from the catchments. These, coupled with inadequate carrying capacity of the rivers are responsible for causing floods, drainage congestion and erosion of river-banks. Cyclones, cyclonic circulations and cloud bursts cause flash floods and lead to huge losses. The fact that some of the rivers causing damage in India originate in neighbouring countries, adds another complex dimension to the problem.

12.4.2 Institutional Framework:

As per the constitutional provision, Flood Management (FM) is a state subject and as such the primary responsibility for flood management lies with the states.

The Ministry of Water Resources is responsible for the technical aspects of Flood Management. The Ministries of Agriculture, Civil Aviation, Environment and Forests, Health, Space, Earth Sciences, Mines, Railways etc. also have an important role in the management of floods in their respective fields.

Not only floods, but management of all types of disasters is the basic responsibility of the States and Central Govt. role is restricted to that of support in terms of coordination, resource allocation and making available requisite funds.

12.4.3 India Meteorological Department:

The IMD established in 1875, is responsible for the National Meteorological Services and the principal government agency in all matters relating to meteorology, seismology and allied subjects. The IMD is mandated as follows:

To warn against severe weather phenomena like tropical cyclones, north-westerly dust storms, heavy rains and snow, cold and heat waves etc., which cause destruction of life and property.

For the convenience of administrative and technical control, there are six Regional Meteorological Centres (RMCs) located at Mumbai, Chennai, New Delhi, Kolkata, Nagpur and Guwahati. Under each RMC, there are different types of operational units such as meteorological centres at state capitals, forecasting offices, agro-meteorological advisory service centres, flood meteorological offices (FMOs) and area cyclone warning centres.

12.4.4 Activities for Minimizing Flood Risk and Losses:

(a) By Central/State Governments:

These activities include identification and marking of flood prone areas on maps, preparation of close contour and flood vulnerability maps, formulating plans for expansion and modernization of flood forecasting and warning systems, identification of priority flood protection and drainage improvement works, identification of reservoirs for review and modification of operation manuals and rule curves and undertaking special studies on problems of river erosion.

(b) Increase in Water Ways:

Examining adequacy and if required, increasing the water ways of bridges/culverts under roads railway embankments by the Ministry of Shipping, Road Transport and Highways (MOSRTH), Ministry of Railways, Ministry of Defence, National Highways Authority of India, Border Road Organisation and State governments.

12.4.5 Action Plan for Alignment, Location, Design and Provision of Waterway on Railways**Embankments:**

Roads and Railway embankments cut across the drainage lines and may lead to increase in vulnerability of the area, through which they pass and to flooding and drainage congestion, if they are not properly aligned, located and designated. In-adequate waterway in the form of vents/culverts/bridges/ causeways is another cause of increase in vulnerability to floods. Further, breaches in them may result in huge loss of life and properties. Insufficient height of rail embankments may result in overtopping and breaches.

The Ministry of Shipping, Road Transport and Highways (MOSRTH), MOR, MOD, NAHI, BRO, State Governments/SDMAs will ensure that national highways, state highways, district and other roads are aligned, located and designed properly with respect to height and width and provided with adequate waterway in the form of vents, culverts, bridges and causeways so as to make them flood safe and not increase the vulnerability of the area to flooding and drainage congestion. The safety of existing roads/railway embankments against floods will also be checked by the MOSRTH, MOR, MOD, NHAI, BRO and state governments/SDMAs/DDMAs and if found inadequate, measures by way of increasing height and width and augmenting water way by constructing additional bridges/culverts/causeways or by adding more spans to existing ones, will be taken up.

12.4.6 Flood Forecast:

Forecasts (stage/inflow) are issued whenever the river stage at the Flash Flood site exceeds or is likely to exceed a specified level called warning level of the site which is fixed in consultation with the concerned state government. The warning level is generally 1 m below the danger level of the site, although there is no-common format designed for issuing flood forecasts by various fields divisions, as forecasts are issued according to the user's convenience. In the forecast, the current date and time of issue of forecast, present water level/inflow and anticipated water level/inflow with corresponding date and time are normally included.

12.4.7 Dissemination of Flood Forecasts and Warnings:

On reaching a critical point, the final flood forecasts are then communicated to the user agencies such as the concerned administrative and engineering authorities of the state/central governments including railways, defence and other agencies connected with flood protection and DM by special messenger/telegram/wireless/ telephone/fax/e-mail.

12.4.8 The Central Water Commission's Flood Forecasting Network in India:

The CWC's FF network covers most of the flood prone inter-state river basins in the country. The CWC is presently issuing flood forecasts for 175 stations of which 147 stations are for river stage forecast and 28 for inflow forecast.

Role of CWC to be given out in detail as their warnings are more relevant for flood forecast and effecting evacuation. For Railways, early warnings are important for smooth movement of trains.

12.4.9 Flood Preparedness:

Railway Board has advised RDSO to compile the Flood vulnerable areas in Formation, Cutting Bridges and Buildings etc. along with a questionnaire.

Ministry of Railways has asked RDSO to coordinate IR activities for implementation of National Disaster Management Authority's guidelines on 'Management of floods (Jan.08) by zonal railways and production units. NDMA Guidelines have been made available to all zonal railway and production units.

12.4.9.1 Actions Taken by Western railway for minimizing flood risk and losses:

The activities proposed to be undertaken aimed at minimizing the flood risk and losses are implemented on Western Railway.

These activities include identification and marking of flood prone area on maps, preparation of close contour and flood vulnerability maps, formulating plans for expansion and modernization of flood forecasting and warning system, identification of priority flood protection and drainage improvement works, identification of reservoirs for review and modification of operation manuals and rule curves and undertaking special studies on problems of river erosion.

However, integration with the state government and Survey of India department to procure contour plans is regular practice. Design of linear water way of bridges is based on catchment area and contour maps. There are no major issues of river erosion on this railway.

Stipulations and procedure for allowing the train by the Engineering Department as prescribed in Chapter No.7 on Actions during accidents including breaches & Pre-monsoon Precautionary measures of IRPWM-2019. Further, the speed of rolling stock will be as prescribed for different rolling stocks, but in no case shall exceed the stipulations of IRPWM. However, Officer at site may have to take a decision due to peculiar circumstances to move the train to a safer place violating the above provisions. He/ She would be authorized to take such a decision in consultation with concerned officials of the Headquarter/ Division.

12.4.9.2 Action Plan and Current Status:

Sr. No.	Action Plan (IR DMP)	Action taken by Western Railway-
1	Flood/weather forecasting in consultation with IMD and other agencies like CWC, State Government, local bodies etc.	As soon as any information is received from Indian metrology department and other agencies like CWC, State Government, local bodies etc., advance warning of flood/weather forecasting can be communicated in affected area through Railway's own telecom and control lines through on duty station masters (24 hours) and various offices and installations. It is also placed on WhatsApp group of CUG of concerned officials.
2	Development of system of collecting data using modern techniques, Monitoring of landslides, flood danger to bridges, bridge approaches causing interruption to traffic.	Under water inspection by professional divers has been carried out on important bridges of western railway to check the soundness of foundation and substructure. All the bridges are marked high flood level (HFL) with year and danger level (DL) in red colour. In case of any water flow crossing danger level, the train movement will be suspended in the section till water level falls and physical check against scouring near abutments and piers is done by sounding method. The traffic will be restored only after physical check against the scouring near abutments and piers by sounding method after issue of a safety certificate by competent officer at site.
3	Identification of flood prone areas, RAT, RAW and information prone to erosion/breaches and marking them on railways system map. Monitoring of behaviour of rivers which pose danger to railway embankment.	The data from previous years of such prone areas is compiled by Railway and is well known to the Inspector in charge of the section and is also recorded in the section register. Major/important bridges likely to be affected by Dams on Upstream has been identified and marked in copies of System map for ready reference. River training work of rivers at the Bridge approach is in place in the form of guide bunds, spurs and retaining wall along embankment slopes on vulnerable embankments and bridges. Joint inspection of the Railway affecting tanks and Railway affecting works is carried out every year with the state government/local bodies who own and maintain that structures. <i>Starting from Year 2022, the RAT/RAW inspections are now digitized & are integrated into IR- Bridge Management System Module for better appreciation of risk management.</i>
4	Documentation of records of flood and breaches.	Documentation of records of flood and breaches is being kept at HQ office as well as in relevant divisions and their annual updating.

5	Flood Insurance of Railway properties - A pilot project to be taken by each Railway through help of suitable consultants.	So far, no such project is in force with engineering dept.
6	Mechanism for coordination with State Government and other Central Agencies on flood control and erosion etc.	Important phone number of Maharashtra, Madhya Pradesh, Rajasthan and Gujarat state of all concerned updated and incorporated in Monsoon precaution booklet.
7	Sanction and execution of Anti Erosion works of track, formations, bridges etc.	It is a regular exercise to inspect all the track, formation & bridges before and after monsoon, every year. The result of inspection is materialised to work execution by proposing work in revenue or in capital works for rectification thereafter. Any defect is noticed the same is reflected in bridge register of that particular year. If any major work is required that will be proposed after instructions given by the Chief Engineer while scrutinizing the bridge register of that year.
8	Improvement to water ways of bridges in track formation (if necessary) including sanction and execution of works.	At many places in Western Railway water ways for bridges have been improved by providing additional pipes and Box culverts across the tracks by studying flood pattern of the affected area.
9	Development of Flood Shelters for staff and passenger at suitable locations in the areas prone to repeated floods.	This is being done as an interim relief measure by railway on the flood affected location. All the residents i.e. staff and families residing in low lying areas can be taken at safe and higher places like platforms, institute buildings, other sheds/structures, shelters etc.
10	Implementation of Bye-laws for buildings in flood prone areas including modifications of Works Manual.	Provisions available in works manual are implemented over WR. Alteration to Works manual may be considered by Railway Board.
11	Training on Flood Management to officials in various Railway Training Schools and institutions by devising suitable syllabus.	Special Course on Hydraulic design, Breaches & floods and Restoration & Tunnelling is carried out in IRICEN Pune on regular basis.
12	Emergency response team on floods.	Position of monsoon reserve material kept at various locations & Availability of Machines/equipment/trucks/T&Ps are taken stock every year before monsoon. The ART & material train reserves are also replenished to meet with any railway emergency caused by flood.

13	Study of silting pattern resulting in reduction in reservoir/Dam's water holding capacity over years to forecast and extrapolate future impact on track due to over flow and need of additional waterway.	Survey & Construction unit of Engineering department while planning gauge conversion, construction of new line evaluates the linear waterway required for each bridge based on the HFL data, catchment area, data provided by dam authorities etc.
14	Study of changed water catchment area due to construction of highways, Dams.	Survey & Construction unit of Engineering department while planning gauge conversion, construction of new line in very special cases go in for catchment area study where previous railway records of HFL, rainfall and catchment is not available. However, river/stream in the upstream is inspected for any possible change of course prior to monsoon.
15	Study of changed rainy season month on a particular region.	This is not done by railway. Railways rely upon the forecast of rains provided by meteorological deptt.
16	Installation of Flood water level monitoring system.	The flood water level monitoring system has installed at 40 36 important Major bridges. In addition to above at all flood prone locations in Mumbai suburban section, flood gauges have been installed, for regular monitoring of water level over tracks during flood.

12.5 Management of Earthquakes:

12.5.1 Earthquake Risk in India:

India's high earthquake risk and vulnerability is evident from the fact that about 59 percent of India's land area could face moderate to severe earthquakes. During the period 1990 to 2006, more than 23,000 lives were lost due to 6 major earthquakes in India, which also caused enormous damage to property and public infrastructure. The occurrence of several devastating earthquakes in areas hitherto considered safe from earthquakes indicates that the built environment in the country is extremely fragile and our ability to prepare ourselves and effectively respond to earthquakes is inadequate. India witnessed several earthquakes like the Uttarkashi earthquake of 1991, the Latur earthquake of 1993, the Jabalpur earthquake of 1997, and the Chamoli earthquake of 1999. These were followed by the Bhuj earthquake of 26 January 2001 and the Jammu & Kashmir earthquake of 8 October 2005.

12.5.2 Nodal Ministry:

The Ministry of Earth Sciences (MoES), as the nodal ministry will prepare the Earthquake Management Plan covering all aspects like earthquake preparedness, mitigation, public awareness, capacity building, training, education, Research and Development (R&D), documentation earthquake response, rehabilitation and recovery.

12.5.3 Monitoring Seismic Activity and Safety Codes:

The Indian Meteorological Department (IMD) will be the nodal agency for the monitoring of seismic activity. The Bureau of Indian Standards (BIS) will be the nodal agency for preparing earthquake-resistant building codes and other safety codes. All such key stakeholders, including central ministries, departments and State Governments/SDMAs will develop detailed DM plans, recognising the seismic risk in their respective jurisdictions based on the Guidelines of NDMA.

Given the high seismic risk the earthquake vulnerability in India, the NDMA Guidelines require the Railways along with all other stakeholders to ensure that, hereafter, all new structures are built in compliance of earthquake-resistant building codes and town planning bye-laws. This will be taken up as a national resolve.

12.5.4 Structural Safety Audit and Strengthening:

The NDMA Guidelines emphasize the need for carrying out the structural safety audit of existing lifeline structures and other critical structures in earthquake-prone areas and carrying out selective seismic strengthening and retrofitting.

The critical factors responsible for the high seismic risk in India and consequently the prioritised six sets of critical interventions have been presented as the six pillars of earthquake management. They will help to: -

1. Ensure the incorporation of earthquake-resistant design features for the construction of new structures.
2. Facilitate selective strengthening and seismic retrofitting of existing priority and lifeline structures in earthquake-prone areas.
3. Improve the compliance regime through appropriate regulations and enforcement.
4. Improve the awareness and preparedness of all stakeholders.
5. Introduce appropriate capacity development interventions for effective earthquake management (including education, training, R&D, and documentation).
6. Strengthen the emergency response capability in earthquake-prone areas.

12.5.5 Institutionalization Earthquake-Resistant Design and Construction:

The Railways along with all central ministries and departments and State Governments will facilitate the implementation and enforcement of relevant standards for seismically safe design and construction of buildings, bridges, flyovers, ports and harbours, and other lifeline and operationally important structures including track infrastructure etc. falling within their administrative control.

12.5.6 Need for Seismic Strengthening of Existing Structures:

There are approximately 12 crores buildings in the country in seismic Zones III, IV and V. A review of the vulnerable buildings on the Railways needs to be similarly done. Out of these how many are critical to Railways operational needs have to be separately identified. As it is not practically feasible or financially viable to retrofit all the existing buildings, these Guidelines recommend the structural safety audit and retrofitting of select critical lifeline structures and high priority buildings. Such selection will be based on considerations such as the degree of risk, the potential loss of life and the estimated financial implications for each structure, especially in high-risk areas, i.e. in seismic Zones III, IV and V, where structures have to conform to IS-1893 specifications. All the Railway buildings and bridges are designed as per relevant latest seismic provisions.

Summary of NDMA Guidelines on Earthquakes and Floods:

Railway Infrastructure	Earthquake Proneness Review	Flood Proneness Review
- Railway Track Formation (incl. station Yards, bridges/culverts, ROBs/RUBs, etc. - Buildings housing signalling gears like RRI, SSI etc. - Buildings in open line maintenance work centres like loco sheds Coaching depots etc. - Station buildings - Control room, other important office building, etc. - High-rise residential buildings, other important residential buildings - Railway hospitals	- New Construction: - Must be earthquake resistant. - Existing Infrastructure - Identify existing railway infrastructure falling under various seismic zones. - Review for earthquake resistant adequacy based on age, foundation and other details. - Retrofit/rebuild to make it earthquake resistant. - Training of Engineers (at various levels). - Associated with design and construction of railway infrastructure.	New Construction: - Railway Station building should be located in such a fashion that they are above the levels corresponding to a 50/100-year frequency or the maximum observed flood levels. Similarly, they should also be above the levels corresponding to a 50- year rainfall and the likely subversion due to drainage congestion. - Government offices buildings should be above a level corresponding to a 25-year flood or a 10-year rainfall with stipulation that all buildings in vulnerable zones should be constructed on columns or stilts. - Railway track at levels well above the likely flood levels. Existing Infrastructure: - - Co-ordination with flood/rain forecasting agencies to get early warning so as to introduce patrolling. Speed restriction etc. as per the provisions in Railway's SR. - Inspections of Railway Affecting Works – to be streamlined and timely ensured. - Review of waterways for adequacy and alignment and measures to modify, if

		needed. ○ Status Note on the lessons learnt from the previous flood situations in the past 5 years. ○ Bye-laws for buildings in flood plains. ○ Making existing and new buildings and infrastructure capable of withstanding fury of floods.

12.5.6.1 Preparedness by Western Railway:

A small region of Gujarat state along the coastal bank and its surrounding area comes in seismic zone IV & V respectively on Western Railway. All the latest guidelines issued by RDSO for design and construction of bridges and building structures are being followed on Western railway. All new construction of all type structures and bridges are designed for seismic loads in Zone IV & V. Strengthening of major and important bridges is also planned and almost completed except few bridges, which are under process/progress or otherwise new bridges is being constructed on replacement account.

S. N	Action Plan (IR DMP)	Action taken by Western Railway-
1	Identification of existing structures which need retro fitment	No bridges are pending to be retrofitted over WR.
2	Gist of RDSO action plan for implementation in a year time frame	All the latest guidelines issued by RDSO for design and construction of bridges and building structures are being followed on Western railway.
3	Action to be taken by the field staff post-earthquake with regard to train operation and inspection of track/ bridges	The action to be taken after an earthquake is detailed in succeeding paragraphs.

12.5.6.2 Action when a train is caught in an Earthquake at Mid-Section/Station:

- (i) Loco Pilot will stop the train immediately and safely, when he feels disturbances due to earth quake.
- (ii) Both Assistant Loco Pilot and Train Manager will inspect the track on either side and try to clear train away from vulnerable cuttings, bridges and embankment if possible. At no time should the Locomotive be left unmanned.
- (iii) Station master shall not start any trains in the affected section and he will inform to all concerned.
- (iv) Concerned engineering officers/ supervisors will immediately move to inspect the section by trolley and light engine for any defects created in structures of bridges, cuttings, tunnels etc. and certify the track for inspected block section from one end to the other.
- (v) After certification of railway track, the train can be started in relevant section as per instructions mentioned in the certificate issued by engineering officials.

12.6 Management of Landslides and Snow Avalanches:**12.6.1 Landslide Risk:**

Landslides are one of the natural hazards that affect at least 15 percent of the land area of our country-an area which exceeds 0.49 million km. Landslides of different types are frequent in geo-dynamically active domains in the Himalayan and Arakan-Yome belt of the North-Eastern parts of the country as well as in the relatively stable domains of the Meghalaya Plateau, Western Ghats and Nilgiri Hills. In all, 22 states and parts of the Union Territory of Puducherry and Andaman and Nicobar Islands are affected by this hazard. The phenomenon of landslides is more pronounced during the monsoon period.

12.6.2 Nodal agency of Government of India:

The Geological Survey of India was declared the nodal agency for landslides by the Government in January 2004. The responsibilities of the Ministry of Mines/Geological Survey of India as the nodal ministry/agency include coordinating all the activities related to landslide hazard mitigation, and monitoring the occurrence of landslide in the country.

As per the Disaster management Act, the responsibility to cope with natural disasters is essentially that of state governments and the role of the central government is a supportive one in terms of supplementing physical and financial resources.

12.6.3 Monitoring and Forecasting of Landslides:

The monitoring and forecasting of landslides, which are two of the least developed fields of landslide management practice will be given special attention as a part of mitigating the risk arising from landslide hazard. Monitoring of landslides includes:

- (i) Surface measurements of landslide activity.
- (ii) Sub-surface measurements of landslide activity.

12.6.4 Management of Snow Avalanches:

The recording of avalanche data and their clearance is carried out by the Border Roads Organisation. The forecasting and control of snow avalanches are generally dealt with by the Snow and Avalanche Studies Establishment. According to the management of this hazard will be a collaborative work of the National Disaster Management Authority, District Administration, Border Roads Organisation, Snow and Avalanche Studies Establishment, and academic institutions active in carrying out research in this field.

Till the Kashmir Project is fully completed the Railway infrastructure is not likely to be affected by this except at a few locations in Himachal Pradesh. The Nilgiri Hills and Western Ghats are additional likely areas which may be affected by landslides and should be included in the DM Plan as vulnerable areas.

12.6.5 Action Plan:

Although management of landslides requires coordinated and multi-faceted activities among many stakeholders in the total disaster management cycle, one important recommendation for follow up by Civil Engineering Directorate of Railway Board is –

S.	Action Plan (IR-DMP)	Action taken by Western Railway-
1	Hazard zonation mapping in macro and micro scales after identification and prioritization of areas in consultation with Border Road Organization, state governments and local communities.	There is no problem of landslides and snow avalanches on Western Railway in any section however in case of any such incidents the following action to be taken; i) Whenever landslide/boulder falling is expected / experienced due to heavy down pour or otherwise all train services should be regulated. ii) Rescue team to be rushed for restoration work.

12.7 Management of Lightning/Thunderstorm:**12.7.1 Lightning/Thunderstorm Risk**

In India, on an average, more than 2,500 deaths are recorded due to thunderstorm and lightning every year (Source: Annual Report, NCRB). It accounted for about 39 per cent of deaths from natural disasters in the country from 1967 to 2012. Rural and forest areas are the most vulnerable due to presence of tall trees and water bodies. A majority of the lightning victims are people working in the fields in rural areas. Lightning is also a major cause of electrical power breakdowns and forest fires. It can also damage communication and computer equipment.

A severe thunderstorm can damage power and communication lines as well as roads, besides flooding of escape routes, breaking of tree branches, uprooting of large trees, etc.

Indian Institute of Tropical Meteorology (IITM), Pune, under the Ministry of Earth Sciences, has initiated a project to study the characteristics of lightning by using Lightning Location Network (LLN). This network can accurately detect the location of occurrence of a lightning strike and can help forewarn the public at least 1-2 hours before the occurrence of a thunderstorm.

12.7.2 Definition & classification of Lightning

Lightning is a high-energy luminous electrical discharge accompanied by thunder. It is of three types:

- 1) Thundercloud or Intra-cloud lightning (IC)
- 2) Cloud-to-cloud or Inter-cloud lightning (CC)
- 3) Cloud-to-ground lightning (CG)

The third type of lightning takes a toll on lives and property, and therefore, is of more concern to us. However, inter-cloud and intra-cloud lightning may hit aircrafts. These are also the precursor to cloud-to-ground lightning.

Lightning has a total path length of a few kilometres. Its peak power and total energy are very high, with the peak power discharge in the order of 100 million watts per meter of the channel and the peak channel temperature approaching 30,000 °C. Peak currents in a lightning discharge range up to hundreds of kilo amperes (kA) with its typical value being 40 kA. Predicting the precise time and location of lightning is very difficult. However, a season or a period of lightning occurrence is known for many regions.

12.7.3 Early Warning of Lightning

India Meteorological Department (IMD), Ministry of Earth Sciences, is the nodal agency for providing current weather information and forecast, including warnings for all weather-related hazards. Besides, States should establish their own independent early warning and monitoring systems to supplement warnings from the IMD.

A thunderstorm is a small-scale phenomenon and has a life cycle of about three hours. It has a dimension of 2 km to 20 km, and therefore, its detection is difficult. Geostationary Weather Satellite captures images from a height of 36,000 km above the earth. It takes about half an hour to capture the image and another half an hour to process the data. So, by the time someone sees the satellite imagery on IMD's website, it is already one hour late. Due to the short life cycle of thunderstorms, a satellite cannot capture its initiation unless it is a large-scale thunderstorm activity.

Lightning incidents can be detected by the ground-based Lightning Detection Network in real time. There is a need to create a high-density network in regions vulnerable to lightning strikes.

12.7.4 Roles and Responsibilities to deal with Lightning

All the stakeholder Ministries/Departments and agencies should work under a unified command to ensure effective implementation of prevention, preparedness and mitigation measures.

The Chief of Operations (Chief Secretary) will spell out the priorities and issue policy guidelines. The Relief Commissioner will coordinate the services of various stakeholders, including national/State agencies, and central government agencies.

The State Emergency operation centre (SEOC) is the nerve centre to support, coordinate and monitor disaster management activities at the State level, including training and research. It will, under normal circumstances, work under the supervision of the Relief Commissioner. During an emergency situation, it will work as the centre for decision making as long as the need for emergency relief operations continues or until the long-term plans for rehabilitation are finalised.

12.7.5 Action Plan of Ministry of Railways All essential establishments of railway's network viz. track distribution system, Signal & telecommunication equipment etc. are properly grounded. However, installation of lightning arrestors and sound earthing for each building is essential. Lightning shields are the most commonly employed structural protection measure for buildings and other structures. A lightning shield consists of the installation of a lightning conductor at a suitably high location at the top of the structure. The conductor is grounded using a metal strip of suitable conductance. The grounding of the conductor is also specially designed to ensure rapid dissipation of the electrical charge of a lightning strike into the ground.

12.7.5.1 Preparedness by Western Railways:

S. N	Action Plan (IR DMP)	Action taken by Western Railway-
1	All essential establishments of railway's network viz. Traction distribution system, S&T equipment etc. are properly grounded	All Signalling and Telecom equipment in the electrified section are properly earthed / grounded.
2	Installation of lightning arrestors and sound earthing for each building	Equipment earthing is done in accordance with the RE manual/ ACTM .
3	Provision of Lightning shields protection measure for buildings and other structures	In EI installation, Class A Lightning arrestors are installed on the top of building and these arrestors are properly earthed. Grounding of building installations and lightning arresters for buildings is installed as per the codal provisions.
4	The conductor is grounded using a metal strip of suitable conductance. The grounding of the conductor is also specially designed to ensure rapid dissipation of the electrical charge of a lightning strike into the ground	Ensured in signalling installations of electrified area.

CHAPTER 13**MANAGEMENT OF CBRN DISASTERS (HUMAN INDUCED DISASTERS)****13.1 Background**

The NPDM notes that rise in population, rapid urbanization and industrialization, development within high-risk zones, environmental degradation, and climate change aggravates the vulnerabilities to various kinds of disasters. Due to inadequate disaster preparedness, communities, and animals are at increased risk from many kinds of human-induced hazards arising from accidents (industrial, road, air, rail, on river or sea, building collapse, fires, mine flooding, oil spills, etc.). Chemical, Biological, Radiological, and Nuclear (CBRN) hazards rank very high in among the human-induced risks. Terrorist activities and secondary incidents add to these risks and call for adequate preparedness and planning.

13.2 Management of Chemical Disasters:**13.2.1 Guidelines by NDMA:**

National Disaster Management Authority (NDMA) has issued guidelines on the management of chemical disasters. These guidelines are directed more towards their prevention and mitigation of their effects, if these happen than on rescue and relief operations afterwards.

The main stakeholders in the management of chemical disasters are Ministry of Environment and Forests (MoEF; the nodal ministry); Ministry of Home Affairs (MHA); Ministry of Labour and Employment (MoLE); Ministry of Agriculture (MoA); Ministry of Shipping, Road Transport and Highways (MoSRT&H); Ministry of Defence (MoD); Ministry of Chemicals and Fertilizers (MoC&F); Ministry of Petroleum and Natural Gas (MoP&NG). Department of Atomic Energy (DAE).

13.2.2 Salient features of NDMA Guidelines:

The growth of chemical industries has led to an increase in the risk of occurrence of incidents associated with hazardous chemicals (HAZCHEM). With their proliferation, the demands on its transportation by rail have gone up significantly. Common causes for chemical accidents are deficiencies in safety management systems and human errors, or they may occur as a consequence of natural calamities or sabotage activities. Chemical accidents result in fire, explosion and/or toxic release. The nature of chemical agents and their concentration during exposure ultimately decides the toxicity and damaging effects on living organism in the form of symptoms and signs like irreversible pain, suffering, and death. Meteorological conditions such as wind speed, wind direction, height of inversion layer, stability class etc. also play an important role by affecting the dispersion pattern on toxic gas clouds. The Bhopal Gas tragedy of 1984 – the worst chemical disaster in history, where over 2000 people died due to the accidental release of the toxic gas Methyl Iso-cyanate, is still fresh in our memories.

13.2.3 Genesis of NDMA's Guidelines on Chemical Disasters:

Effective Chemical Disaster Management (CDM) is possible by the adoption of preventive and mitigation strategies as most chemical disasters are preventable in comparison to natural disasters that are difficult to predict and prevent.

In the NDMA's Guidelines comprehensive instructions for installations and storages (including isolated storages of HAZCHEM) that contain good engineering practices for safety, accident reporting, investigation and analysis checklists and safety promotional activities as important tools for effective CDM, are provided.

In the guidelines are instructions related to chemical accidents during transportation of HAZCHEM. The areas covered include:

- Preparation of a highway DM plan.
- Modification of rules pertaining to transport emergencies.
- Specific roles and responsibilities of MAH units, transporters, drivers, authorities and aspects related to emergency communication systems and training of various stake holders.
- The need for the development of an efficient pipeline management system.

13.2.4 Guidelines on Chemical Disasters: -

Railway's guidelines/instructions relevant to the zonal railways have been issued separately in detail for taking necessary action and incorporating suitable provisions in their respective DM Plans. These guidelines will add to the existing safeguards listed in the Red Tariff on handling, storage and transportation of hazardous material.

13.2.5 Railways Red Tariff – Transport of Hazchem:

Soft Copy at: <http://www.indianrailways.gov.in/railwayboard/uploads/Download%20File.pdf>

Indian Railways have also been transporting chemicals and hazardous materials e.g. petroleum products (petrol, Naphtha, HSD, etc.), Caustic soda, Alcohol, compressed gases (LPG gas etc.) Chemical manures, Acids, Matches etc. These goods are carried either in the SLRs or in the Parcel Vans or in the goods wagons or in containers. Quantum and type of transportation of such hazardous material varies from railway to railway and different zonal railways need to prepare themselves based on the type and extent of hazardous material being handled and transported by them.

Indian Railway's Rules for carrying dangerous (hazardous goods) by rail have been legislated in the Railway Red Tariff Rule 2000 as per which dangerous goods have been classified into following 8 classes:

- I Explosives
- II Gases, Compressed, liquefied or dissolved under pressure
- III Petroleum & other inflammable liquids
- IV Inflammable solids
- V Oxidising substance
- VI Poisonous (Toxic Substances)
- VII Radio-active substances
- VIII Acids & other Corrosives.

Chapter I to VIII deal with the above classes of dangerous goods which include General rules governing acceptance, handling, Carriage, storage, delivery and the list of commodities included in that class. Carriage of Goods of a hazardous nature other than those specified in these chapters shall not be accepted for transport by rail unless specially authorised by the railway administration as provided under these Rules.

Out of the above 8 classes of dangerous goods, classes II (Gases, Compressed, Liquefied or dissolved under pressure), III (Petroleum and other inflammable liquids) and VIII (Acids and other corrosives) are dealt in bulk on the railways whereas other classes of dangerous goods are dealt in piecemeal/small quantities in parcel vans/SLRs. Railways may refer to the specific paras pertaining to all these classes of dangerous goods.

13.2.6 Rescue Relief and Restoration Operations:

Railway's expertise in dealing with the mis-happenings like spillage, catching fire etc. of these dangerous goods is very limited. It is therefore imperative that the respective zonal railways will develop and nurture coordination with those agencies and Organisations on their system that has expertise in dealing with the hazardous material being handled and transported on the respective zonal railways. Contact details e.g. Name, Designation, Telephone Nos., Mobile Nos. etc. of such agencies should be available in the Divisional and Zonal Railway Disaster Management Plan so that these agencies can be called for without any delay during any untoward incident. Nominated staff of ARMVs, ARTs and few of the staff maintaining the rolling stock which is used for transportation of hazardous material may be trained and equipped with the equipment used for dealing with such material.

13.2.7 Preventive Action in the Rail Route of Movement of Hazchem:

Divisions located on the "Hazchem Rail Transportation Highways" have to be in close touch with specialized services available with IOC/GAIL and Pvt. Chemical Factories and NGOs to be able to call upon their men and firefighting fire extinguishers etc at short notice.

Vulnerability on this Highway needs to be reduced by the removal of Jhuggis from close to the track (say till at least 50 m away). This is essential as in the case of derailment of a Naphtha loaded (or even POL Tank Wagon etc) train, there is a high possibility of spillage of the dangerous products and its spread over a wide area. These products are highly prone to catch fire and even explode, resulting in fire in the Jhuggis etc.

13.2.7.1 Preparedness by Western Railways:

S.N	Action Plan (IR DMP)	Action taken by Western Railway-
1	Develop and nurture coordination with those agencies and Organisations on their system that has expertise in dealing with the hazardous material being handled and transported on the respective zonal railways	Co-ordination with IOCL, BPCL, HPCL, GAIL & ONGC is done for better preparedness of Railway to deal with hazardous material by Commercial Department . Firefighting units, Chemical units, NGOs and state administration are co-ordinated for their utilization during untoward incidence of fire etc.
2	Divisions located on the "Hazchem Rail Transportation Highways" have to be in close touch with specialized services available with IOC/GAIL and Pvt. Chemical Factories and NGOs to be able to call upon their men and firefighting fire extinguishers etc at short notices.	
3	Vulnerability on this Highway needs to be reduced by the removal of Jhuggis from close to the track (say till at least 50 m away). This is essential as in the case of derailment of a Naphtha loaded (or even POL Tank Wagon Etc.) train, there is a high possibility of spillage of the dangerous products and its spread over a wide area. These products are highly prone to catch fire and even explode, resulting in fire in the Jhuggis etc.	Sr. DEN in-charge of the land and assets is conducting regular drives for marking and removal of jhuggis from close to the track. All possible assistance is rendered by RPF in co-ordination with State Police.
4	Contact details e.g. Name, Designation, Telephone Nos., Mobile Nos. etc. of such agencies should be available in the Divisional and Zonal Railway Disaster Management Plans so that these agencies can be called for without any delay during any untoward incident.	The details of Disaster Management related information are available at all Divisional Control and Disaster Management team available over Western Railway. This information is Included in ZDMP-II as well as Divisional Disaster Management Plans.

5	Nominated staff of ARMVs, ARTs and few of the staff maintaining the rolling stock which is used for transportation of hazardous material may be trained and equipped with the equipment used for dealing with such material.	Staff are trained and utilized as per requirement. Mock Drills are conducted to refresh Railway staff for their role during such incidents.
6.	Medical	30 doctors and 67 paramedics have received basic training on CBRN at NDRF camp, Jarod near BRC. More training will be arranged for doctors and paramedics. Hospitals are equipped, to some extent to handle Chemical and biological situation.

13.3 Management of Biological Disasters:

13.3.1 Causes of Biological Disasters:

Biological disasters might be caused by epidemics, accidental release of virulent microorganism(s) or Bioterrorism (BT) with the use of biological agents such as anthrax, smallpox, etc. The existences of infectious diseases have been known among human communities and civilisations since the dawn of history.

In recent times travelling has become easier for which Railways have made a significant contribution. More and more people are travelling all over the world which exposes the whole world to epidemics. As our society is in a state of flux, novel pathogens emerge to pose challenges not only at the point of primary contact but in far removed locations. The Marburg virus illustrates this. The increased interaction between humans and animals has increased the possibilities of zoonotic diseases emerging in epidemic form.

13.3.2 Biological Warfare (BW) and Bio-Terrorism (BT):

The historical association between military action and outbreaks of infections suggest a strategic role for biological agents. The advances in bacteriology, virology and immunology in the late 19th century and early 20th century enabled nations to develop biological weapons. The Biological and Toxin Weapons Convention, however, resolved to eliminate these weapons of mass destruction. Despite considerable enthusiasm, the convention has been a non-starter.

13.3.3 Mitigation:

The essential protection against natural and artificial outbreaks of disease (bio-terrorism) will include the development of mechanisms for prompt detection of incipient outbreaks, isolation of the infected persons

and the people they have been in contact with and mobilisation of investigational and therapeutic countermeasures. In the case of deliberately generated outbreaks (bio-terrorism) the spectrum of possible pathogens is narrow, while natural outbreaks can have a wide range of pathogens. The mechanism required however, to face both can be similar if the service providers are adequately sensitized.

13.3.4 Nodal Ministry and support of other Ministries:

The response to these challenges will be coordinated by the nodal ministry-Ministry of Health and Family Welfare (MOH&FW) with inputs from the Ministry of Agriculture for agents affecting animals and crops. The support and input of other ministries like Ministry of Home Affairs, Ministry of Defence, Ministry of Railways and Ministry of Labour and Employment, who have their own medical care infrastructure with capability of casualty evacuation and treatment, have an important role to play. With a proper surveillance mechanism and response system in place, epidemics can be detected at the beginning stage of their outbreak and controlled.

13.3.5 Handling CBRN Disaster – Training:

For handling and to provide medical relief for all CBRN disaster which (include a Biological Disaster) and mitigation of BW and BT affected Railway staff, need to be incorporated in the Hospital DM Plan. Training of a skeleton numbers of Medical Doctors in each Divisional Railway Hospital to manage CBRN casualties is to be organised.

13.4 Management of Chemical (Terrorism) Disasters:

13.4.1 Introduction:

A terrorist attack involving chemical agents differs from a normal terrorist attack as it results in specific effects on health and can cause fatal injuries, create panic, and affect the morale of the community. The targets of terrorists include market places, densely populated areas, public functions, important dignitaries, water and electricity supplies, restaurants/food plazas, malls, places of entertainment, busy railway stations in metros and critical and sensitive military, civil and economic institutions.

Chemical terrorism is an act of violence to achieve professed aims using chemical agents. These chemical agents include poisonous gases, liquids or solids that have a deleterious effect on the biotic and non-biotic environment. Due to the relatively easy availability of hazardous chemicals in Major Accident Hazard units, storages and during transportation, terrorists can procure chemicals or even try to sabotage the facilities or transport vehicles as it offers them an easier and often more catastrophic method of anti-national activity. The mode of dispersal used for chemical agents would range from dissemination of aerosolised material to contamination of food and water.

13.4.2 NDMA's Guidelines:

The possibility of a chemical terrorism attack can be minimized by spreading general awareness and building the capacity of the community, institutions, and governmental and non-governmental organisations.

The approach followed in the NDMA's Guidelines lays emphasis on:

- (i) Security and surveillance measures for installations manufacturing/using/storing chemicals.
- (ii) Strengthening intelligence regarding the movement of chemicals.
- (iii) Preparedness for counter-terrorism measures:
 - (a) Issues regarding the safety of chemicals and risk reduction strategies etc.
 - (b) Strengthening of response through rescue and emergency medical resources.
 - (c) Preparedness of all emergency functionaries in terms of protection, detection, decontamination, de-corporation, capacity building and infrastructure development.
 - (d) Community-centric mechanism for the management of chemical (terrorism) disasters

13.4.3 CTD Preparedness Plan:

Implementation of the Guidelines at the national level shall begin with the preparation of a detailed action plan (involving programmes and activities) by the nodal ministry (MHA) that shall promote coherence among different CTD management practices and strengthen mass casualty management capacities at various levels. The concerned ministries like MoD, MoEF, Ministry of Railways (MoR), MoL&E (through Employees' State Insurance Corporation (ESIC), MoA etc., will also prepare their respective CTD preparedness plan as a part of all hazard DM Plans. The Railways has an important role in the management of mass casualties in the event of national calamities, they should also cater for developing additional capacities besides meeting their own requirements in their preparedness plan.

Railway Board has issued guidelines on precautions in handling, storage and transportation of chemicals. These are to supplement the guidelines laid down in the Red Tariff. The Commercial Department may keep the RPF official updated on the Goods Sheds which handle Hazchem so that adequate security systems can be strengthened. This may be a part of the Divisional DM Plans.

13.4.4 Preparedness for Emergency Response:

Preparedness for an emergency response at the incident site requires protection, detection, and decontamination. RPF and the Medical Department have a role to play in the relief and mitigation efforts. SOPs are required for all the emergency responders working under the overall supervision of the incident commander. This may be identified in the zonal DM Plan as the DRM of the respective division on the Railways where CTD has occurred. SOPs will be included for field decontamination. A well-orchestrated medical response to CTD will be possible only by having a command-and-control function at the divisional level by the Medical Department. The CMO/CMS will be the main coordinator for the management of CTD.

13.5 Management of Nuclear and Radiological Emergency (Disaster):

13.5.1 Nuclear/Radiological Emergency:

Any radiation incident resulting in or having a potential to result in exposure and/or contamination of the workers or the public in excess of the respective permissible limits can lead to a nuclear/radiological emergency.

After due consideration of the nature and consequences of the nature and consequences of all the possible scenarios, these radiological emergencies have been broadly classified into the following five categories:

- (i) An accident taking place in any nuclear facility of the nuclear fuel cycle including the nuclear reactor, or in a facility using radioactive sources, leading to a large-scale release of radioactivity in the environment.
- (ii) A 'criticality' accident in a nuclear fuel cycle facility where an uncontrolled nuclear chain reaction takes place inadvertently, leading to bursts of neutrons and gamma radiations.
- (iii) An accident during the transportation of radioactive material.
- (iv) The malevolent use of radioactive material as a Radiological Dispersal Device by terrorists for dispersing radioactive material in the environment.
- (v) A large-scale nuclear disaster, resulting from a nuclear weapon attack (as had happened at Hiroshima and Nagasaki) which would lead to mass casualties and destruction of large areas and property.

Normally, nuclear or radiological emergencies (referred to in points (i) to (iv) above) are within the coping capability of the plant/facility authorities. A nuclear emergency that can arise in nuclear fuel cycle facilities, including nuclear reactors, and the radiological emergency due to malevolent acts of using Radiological Dispersal Devices are the two scenarios that are of major concern. The impact of a nuclear disaster (scenario at (v)) will be well beyond the coping capability of the local authorities and it calls for handling at the national level.

13.5.2 Vulnerability of Nuclear Facilities:

Identification of a Rail network close to a nuclear facility needs to be done by the zonal Railways.

As regards the vulnerability of various nuclear fuel cycle facilities to terrorists' attacks, these facilities have elaborated physical protection arrangements in place to ensure their security. The structural design of these facilities ensures that even in the event of a physical attack, the structural barriers prevent the release of any radioactivity outside the plant area itself and hence the public are not likely to be exposed to radiation.

While their radioactive strength is in itself a deterrent to pilferage, the radioactive sources can still be stolen and used in a Radiological Dispersal Device or Improvised Nuclear Device. Essentially, a Radiological Dispersal Device is a conventional explosive device in which the radioactive material has been so added that, on its being exploded, there would be dispersal of radioactivity in the environment.

A Radiological Dispersal Device is not a Weapon of Mass Destruction. Normally, the use of a Radiological Dispersal Device by itself would not result in fatalities due to radiation. The fatalities, if any, would primarily be due to the explosion. However, it may contaminate a reasonably large area, besides its main potential of causing panic and disruption.

Accidents during the transportation of radioactive materials are of low probability due to the special design features of the containers in which they are transported and special safety and security measures (to take care of all possible threats/eventualities, including the threat from misguided elements) which are laid down to be followed during actual transportation.

A network of Emergency Response Centres has presently been established by the Bhabha Atomic Research Centre to cope with radiological emergencies in the public domain, like transport accidents, handling of orphan sources, explosion of Radiological Dispersal Devices etc. The task of these Emergency Response Centres is to monitor and detect radiation sources, train the stakeholders, maintain adequate inventory of monitoring instruments and protective gear, and provide technical advice to first responders and local authorities.

13.6 DOs & DONTs for the Disaster Magistrates in the event of CBRN (Chemical, Biological, Radiological & Nuclear) disasters issued by Ministry of Home Affairs, Disaster Management Division vide letter no.32-35/2003 NDM-II dated 21.07.2017.

DOs:

1. Chemical Disaster:

In case of accidental release of a quantity of toxic chemicals into environment, resulting in death or injury to workers or members of nearby communities, then it is a case of chemical disaster. In the event of a chemical disaster, the District Magistrate should immediately contact, the Nodal Ministry for chemical disasters i.e. Ministry of Environment, Forest and Climate Change. Contact details are given in ZDMP- Part-II.

2. Biological Disaster:

Biological disasters are events caused by microbial agent or its toxin in humans, animals or plants that is beyond the coping ability of the State. Such an event may occur due to

- (i) epidemic of infectious diseases caused by a microbial agent or toxin in humans, animals or plants
- (ii) Non-intentional accidental release of microbial agents such as from laboratories or during transportation of samples
- (iii) Intentional use of microbial agents to cause harm such as use of biological agents or toxins as weapons of mass destruction (biological warfare) or
- (iv) microbial agents or toxins used by terrorists to cause panic/harm to humans, crops or livestock (bioterrorism/agro-terrorism).

In the event of Biological disasters, the District Magistrates should immediately contact the nodal Ministry for Biological disasters i.e. the Ministry of Health & Family Welfare. The contact details are given in ZDMP- Part-II.

3. Nuclear/Radiological disasters-

Any radiation incident resulting in or having a potential to result in exposures and/or contamination of the workers public or environment in excess of the respective permissible limit can lead to a nuclear/radiological emergency.

In case of theft/loss of radioactive source from the institution/industrial unit/hospital premises/during transportation, it would normally be noticed first by the field person responsible for handling the same. The head of the concerned organization would be next person to get this information from his own field person. He in turn, would bring the incident to the notice of the local police station as well as to the **Atomic Energy Regulatory Board (AERB)** who is the regulator (as per Radiation Protection Rule 2004 under the Atomic Energy Act) for transportation, storage and use of radiation sources in the public domain. This will be the trigger mechanism for initiating any mitigation process by state agencies.

Further, in case of loss/theft of radioactive sources, the recommended response plan/SOP for recovery/retrieval and disposal of the radiological source would be as follow:

- (i) AERB will inform the Crisis Management Group (CMG), **DAE (Department of Atomic Energy)** through DAE Emergency Control Room (DAE-ECR), Contact Details of 24*7 operational DAE-Emergency Control Rooms are given in ZDMP Part-II. In addition, it is envisaged that the concerned public officials will follow their own SOP & intimate the concerned agencies for ensuring appropriate response.
- (ii) Expert response agencies (police/NDRF/relevant state authorities) after reaching the incident spot, if feel that they need an expert advice or technical support from nodal ministry (DAE); they should contact CMG, DAE through DAE-Emergency Control Room. While informing, they are requested to provide exact location, contract numbers of concerned DM/SP/local police station and details of incident with brief description of the object (if possible, along with photograph taken from the distance).
- (iii) Upon receipt of such information, the CMG, DAE will get activated and will get in touch with the local authorities to decide about further course of actions.
- (iv) CMG will decide and constitute a team of experts as per requirements. The team of experts will be dispatched to the site by quickest means possible.
- (v) Member Secretary, CMG (who is also the designated Nodal Officer of DAE) will get regular updates from concerned DAE experts/field agencies and will keep concerned authorities informed and as per scenario, will also keep MHA Control Room updated.
- (vi) DAE experts on recovery/retrieval of the source will examine the integrity of the radiation source & accordingly, AERB will decide about further course of action regarding safe keeping/disposal of the material.
- (vii) Responsibility of source transportation of radioactive material from incident site to a safe storage place should be undertaken by local police.
- (viii) If there is local contamination due to radioactive material, decontamination activities should be taken up by expert response agencies like NDRF and/or be performed under guidance of DAE's technical experts. Local district authorities should provide adequate resources for handling and transportation of the contaminated material to the safe disposal site.

- (ix) In case required, media briefing will be done by the designated state official. He may seek technical inputs from AERB, if he desires.
- (x) After recovery/retrieval of the source and after completing of activities related with decontamination and safe disposal (as per scenario requirements), with due concurrence of AERB, the closure of radiological emergency scenario will be declared by the concerned DM/SP.

DON'Ts

For response to CBRN Emergency:

- (i) Don't send untrained responders/volunteers.
- (ii) Don't send trained responders without proper PPEs and detection equipment.
- (iii) Don't send responders without taking proper guidance from the Nodal Ministry/Department.

CHAPTER - 14**MANAGING CROWDS****14.0 Guidelines by NDMA:**

National Disaster Management Authority (NDMA) has issued a guide for administrators and organizers of events and venues for managing crowds in 2014. The scope of the guidelines involves study of past crowd disasters, framework for administrators to plan and manage events better, to provide practical guidelines to venue managers and event organizers etc.

14.1 Salient features of NDMA guidelines:

Important aspects of planning for events/places of mass gathering includes understanding the visitors, various stake holders and their needs, crowd management strategies, risk analysis and preparedness, information management and dissemination, safety and security measures, facilities and emergency planning, transportation and traffic management. One of the important points to be kept in mind is the demand and supply gaps. Depending on the type of event, venue and type of crowd expected proper signage have to be planned. Specific focus should be on fire, electrical and structural safety. NDMA has suggested the following guidelines on Incidence Response System.

- (i) Systematic and complete planning process.
- (ii) Clear cut chain of command.
- (iii) System of accountability for the incident response team members.
- (iv) Well thought out pre-designed roles for each member of the response team.
- (v) Effective resource management.
- (vi) System for effectively integrating agencies into the planning and command structure without infringing on the independence of the concerned agencies;
- (vii) Integration of community resources in the response effect and
- (viii) Proper and coordinated communications set up.

14.2 Crowd control and management:

For effectiveness RPF, GRP and District Police have to act in a synchronized manner in consultation with magisterial authorities. Chapter 11 (Maintenance of Public Order and Tranquillity) of the Bharatiya Nagarik Suraksha Sanhita (BNSS-2023) deals with 'Unlawful Assemblies'. Legal procedures are outlined in Sections 148 to 151 of the BNSS-2023 for dealing with Unlawful Assemblies. These provisions empower Members and Officers of Armed Forces (RPF is an Armed Force of the Union) to deal with Unlawful Assemblies.

One of the intelligent video analytics to be incorporated in the Integrated Security System is related to signal for crowd density within station premises when it exceeds the prescribed limit. This will enable RPF personnel and railway authorities to get timely information when heavy crowd builds up within station premises and plan follow-up action. Pictures stored on CCTV system will be of immense help in identifying miscreants and in ensuring effective legal action.

We should prescribe preventive protocols, when laid down footfalls defined separately for important stations become extraordinarily high, as during Melas or other exceptional situations. It may not be out of place to ban all commercial vending and parcel handling on such occasions, supplement exists if possible, and bring more area under illumination.

It is important to press upon the District Magistrate (Dy. Commissioner) or the Civil Police (Senior Superintendent of Police) to give an approximate indication of the number of persons likely to reach Railway stations in the days when rush is expected. Even more important is the number of such persons reaching each Railway station within a one to two-hour time slots. Unless this information is given, it would not be possible for Railways to plan special trains. The OD flow of the passenger is very important to plan destination wise running of special trains. It may be kept in mind that often the Inward and outward passenger traffic is not equal; there are wide variations. Further the inward rush comes in a staggered and spaced interval; the outward rush goes back at one go. It would be essential for the Zonal Railway or Division to impress upon the State Government (or the District Magistrate) in writing of their peak capacity to clear rush, as also they can do so only direction wise. The District Administration has to regulate and control the entry of more than this number beyond which (in 1-2 hourly slots) the Railway would be unable to evacuate.

14.3 Role of responsibility of Zonal Railways/Divisions:

In order to regulate crowd and disperse mass gathering, specialized training courses on Maintenance of Public order and Mob Dispersal, Tear Smoke Weapons/Munitions has been made part of the training curriculums of RPF, wherein Force personnel are being imparted training on legalities involved in Public Order and Mob Dispersal, Fire Fighting, Handling of Tear Smoke munitions and launching methods etc. Tear Gas guns and cartridge have also been inducted in the RPF Arsenal.

Depending upon the past experience, Zonal Railways/divisions should identify events of mass gathering over their system. The events can be of periodic in nature or onetime events where mass gathering of passengers is expected in the station which is beyond the normal capacity that can be handled at that station.

Concerned Zonal Railway/division should have a close coordination with the organizers and law enforcement agencies to understand crowd arrival and departure, their numbers for each such event. Railway administration should identify the threats, assess the risk and plan accordingly. Based on the

past experience, a coordinating officer should be nominated for better planning and execution crowd management at the station. He should be designated as incident commander and shall be overall in charge of that particular station. He shall be assisted by staff drawn from the respective departments to discharge his/her functioning.

14.4 Crowd control and Management of rush at Railway Stations:

Specific defined areas of jurisdiction for crowd control and duties assigned to GRP/RPF and the city Police needs to be placed on record much before the expected days of rush. Close coordination has to be maintained between the 3 wings of security personnel Railway Protection Force, Civil Police and GRP with well-defined areas of responsibilities.

The car and other vehicle parking facility at a station may be discontinued; sale of Platform Tickets can also be banned for short period of time. RPF and GRP personnel deployed on each platform will monitor crowds and rush build up in the circulating areas, booking windows, station platforms and mainly on the FOBs. Special teams of commercial staff will liaise with the RPF/GRP and relay 2/4 hourly position to a centralized location viz. commercial control who will advise the need for running of special trains to specified destination to the operating departments control room.

14.5 Action to be taken for crowd management on Western Railway:

Adequate deployment of RPF & GRP personnel to be deployed at circulating area, holding area, platforms, booking window, FOBs, extras to monitor the crowd and rush build up.

The following actions should be planned to monitor and manage the crowd:

- (i) There should be separate entry and exit for smooth movement of the crowd. It should be ensured that stairs should be used in one direction i.e. ingoing & outgoing crowd should not share the same stairs.
- (ii) The flow of the crowd should be in unidirectional. There should be no crisscross movement of crowd to avoid stampede like situation.
- (iii) Emergency exits should be planned in advance. Preventive protocols, when laid down footfalls defined separately for important stations become extraordinarily high, as during Melas or other exceptional situations, should be prescribed.
- (iv) A holding area should be prepared either in the Circulating area or outside station building premises, to monitor access control and movement of crowd.
- (v) Sale of platform tickets should be banned during peak days in order to control unwanted crowd.
- (vi) Depending on the magnitude of the event the car & other vehicle parking at stations should be discontinued during the peak days.
- (vii) The berthing of the train should be planned well in advance and all relevant information should be displayed in the holding area, circulating area and at important visible places in the station building. The empty rakes should be placed on the platform in locked condition, so that the passengers waiting on the platform do not run / rush to enter in open coaches.

- (viii) There should be no change in platform under any circumstances in order to avoid confusion and stampede like situation. Platform should be designated and earmarked for departure of special trains. Regular announcement should be made before placement of empty rake on the platform.
- (ix) Ropes, barricades, queue makers etc. should be used extensively at platform entrances, circulating area, FOBs etc. for smooth movement of the crowd.
- (x) Intelligent video analytics should be used in CCTV surveillance to signal crowd density within station premises when it exceeds a prescribed limit. This will enable RPF personnel and railway authorities to get timely information when a heavy crowd builds up within station premises and plan follow-up action. Pictures stored on CCTV system will be of immense help in identifying miscreants and in ensuring effective legal action.
- (xi) During peak days, parcel handling including loading, unloading and stacking on platforms should be stopped. The loading / unloading may be done in yard / side areas in case of emergency. Movement of handcarts and thelas should be banned.
- (xii) The entire station premises should be well lit / illuminated so that miscreant activities are curbed.
- (xiii) A mini control room which will also act as an Emergency Response Centre should be established close to the premises / area where the crowd is to be monitored. The representatives of RPF, GRP / Police, Commercial, Electrical, Mechanical, Medical and Operating department should monitor the Control room round the clock.

14.6 The Emergency Operations Centre should act as under:

- (i) This Centre will by far possible, be near to the vicinity of the area it is going to control.
- (ii) The Centre should be in a safe area where it is not affected by any type of disasters, both man-made and natural, so that it can exercise control over its tasks under all circumstances.
- (iii) A Grid Map of the entire area under jurisdiction will be prepared to facilitate accuracy in pinpointing the troubled area and activate appropriate response.
- (iv) This map will contain all relevant data like position of volunteers / police, Ambulance, fireservices, Medical emergency room, ticket location etc.
- (v) All the staff involved in this activity will have a particular call sign and the grid map person. This will give them leverage in pre-empting a particular activity that ensures safety of the crowd or if they are nearest to the spot. It will aid them in initiating corrective action and feedback to the control centre.
- (vi) This Centre will exercise positive control over the crowd movement to and from the event venue.
- (vii) This Centre will not act under pressure of any sort from any individual or agency requesting speedy access to event / venue. It will exercise total discretion in allowing the same only if doing so may lead to safety and security concerns.
- (viii) The Centre will be the hub for information flow about the crowd movement both inward and outward.
- (ix) All emergency support services will be coordinated from this Centre.
- (x) This Centre will exercise direct control over the already parked ambulances, fire services and regulating their movement, in and out of the disaster-prone area.

- (xi) This Centre will pre-validate and decide the level & distance of accessibility of emergency services in the disaster area to avoid congestion and quick turnaround, there by speeding up movement of aid and vehicles.
- (xii) The Centre will also be responsible for validating the main routes for crowd movement and alternative routes (marked as standby for entry and exit.)
- (xiii) The Centre will exercise / regulate the positioning of food stalls, public facilities, watering points, rest areas and display systems for easing the flow of crowd and their anxiety level.
- (xiv) The entire communication network i.e. the public address system, wireless setup, display system etc. will be controlled by a dedicated team under the supervision of one competent person, who will in turn report to the Incident commander.

14.7 Duties of Security Department:

Main functions of the Security Department can be broadly classified as:

14.7.1 Liaison with Civil Police:

- (i) In case of sabotage, liaison with Local Police & officials of district administration and get early clearance.
- (ii) Clearance should be obtained as expeditiously as possible, for starting restoration work.
- (iii) Additional manpower should be requisitioned from local police officials and district administration for the purpose of crowd control.
- (iv) Exemption should be obtained from SP of the district for waiving off formalities of Post Mortem of dead bodies.
- (v) Obtain assistance from GRP and Local Police as and when required.

14.7.2 Crowd Management:

The first problem at an accident site is that of surging crowds. Carrying out any kind of rescue and relief operation becomes next to impossible. Railwaymen who try to undertake any kind of rescue and relief work become victims of mob fury.

- (i) Cordon off the site and prevent unauthorized entry of outsiders.
- (ii) Segregate the area of accident by putting up temporary barriers using nylon ropes or any other makeshift device available at the scene so that outsiders do not disturb the site or hamper rescue operations.
- (iii) These barriers should be at quite some distance away from the track, so that UCC, CAC and LCCs are inside the cordoned off area.
- (iv) Provided barricade and ask for additional force to control the crowd during VIP visit.

14.7.3 Protection of luggage:

- (i) Protect unclaimed luggage of passengers till these are duly taken over by the commercial department for safe custody.
- (ii) Unclaimed luggage of passengers should be isolated and stacked coach-wise, with proper labelling indicating coach no., from which recovered.
- (iii) If possible, the cabin number inside the coach should also be indicated.
- (iv) All such unclaimed luggage should be protected till they are handed over to claimants or taken over by the commercial department.
- (v) Unclaimed luggage should be stored in a safe place, preferably, part of the same school building which is being used for preserving dead bodies.
- (vi) These should be stored in separate rooms coach wise so that it is easy for relatives to identify.

14.7.4 Protection of railway property:

- (i) Protect Railway consignments/goods/parcels till these are duly taken over by commercial department and dispatched to nearest station for proper disposal.
- (ii) Guard perishables till they are auctioned off at site or till they are dispatched to the nearest station for being auctioned.
- (iii) RMS consignments on the train should be shifted to the school building for safe custody till Postal Authorities come and take over custody.
- (iv) Provide security for the cash withdrawn for payment of ex-gratia by the commercial department.
- (v) Preserve all clues and evidence regarding probable cause of the accident and ensure that these do not get disturbed.
- (vi) Ensure that no railway staff tampers with any track fittings, or rolling stock parts.
- (vii) Anybody found moving under suspicious circumstances should be questioned.
- (viii) No railway staff should be allowed to move about near the accident site with loose or piece meal equipment.

14.7.5 General:

- (i) RPF personnel should respond to any call for assistance to rescue victims and transport them to the nearest hospital.
- (ii) 3 – hourly bulletins will be updated by field personnel at the scene of incident to the RPF functionary in the UCC giving the latest situation.
- (iii) RPF Assistance Post will be established within the CAC so that people needing help can approach RPF.

14.8 Security arrangements Mock Drill:

Regular mock drills must be conducted to check the preparedness and iron out the deficiencies, if any, in the role of responsibility mentioned above.

CHAPTER - 15**DISASTER MANAGEMENT TRAINING****15.0 Disaster Management Training on the Railways:****15.1 National Institute of Disaster Management (NIDM):**

National Institute of Disaster Management (NIDM) has been envisaged as apex body on Disaster Management training & research in the country under the Disaster Management Act, 2005. NIDM runs several multi-disciplinary training programmes including the programmes on transportation related disasters in which railway officers have also been invited to attend. Services of NIDM may be made use of, if required, for training railway officials in Disaster Management at IRITM, Lucknow. Most of the States also have DM Training Institutes funded by the Centre.

15.2 Training Institutes of Railways

Indian Railway Institute of Disaster Management, Hejalla, Bangaluru has been set up and inaugurated in 2019 to play a crucial role in curbing train-related accidents across the country. An action plan has been approved by Railway Board that IRIDM, Bangaluru will impart safety training to all working officers. Each officer would have to undergo training at IRIDM to update and upgrade their disaster management skills.

In view of the utmost importance being given to safety, senior officers of Railways are already being imparted special training on “Safety Management” through regular courses conducted by Indian Railways Institute of Transport Management (IRITM), Lucknow to enhance the safety skills and knowledge. IRITM has been conducting this course regularly since January, 2018.

Apart from these, Indian Railways have many Central Training Institute (CTIs), Zonal Training Institute (ZRTIs), Supervisor Training Centres etc. where officers, supervisors and staff are imparted training on different specialised subjects.

15.3 DM Training on Zonal Railways and Divisions:

With the enactment of the Disaster Management Act, Indian Railways have also taken several initiatives to revamp Disaster Management training. Presently, training on disaster management of various tiers of railway officials does not envisage newer concepts like integration of disaster management into developmental planning, leveraging on the strengths of other non-railway agencies etc. Till now any training on the subject of Disaster. With a view to strengthen and revamp the Training on Disaster Management being imparted to several tiers of railway officials through Railway Training Institutes, Board has decided the following training schedule: Management implied subjects connected with Train Accidents only. There was no training given for natural calamities or for terrorism related items. With the adoption of this concept the training requirements for Lower, Middle and Higher Management officials of the Railways need to be re-oriented to cover these concepts. Hence the subjects of Disaster Management are vaster and more varied.

S.N.	Categories of Officials	New Training methodology and schedule	Action taken
1	Top Level Management (GMs, PHODs, DRMs and other SAG/S4 Officers).	5-day Disaster Management Modules are to be delivered at IRITM/LKO @ once every 3 months. Frequency of Training: Once every five years for SG/SAG Officers and above.	Top level management officers will be directed as and when slot for Disaster Management course allotted to this Railway from IRITM/LKO.
2	Middle Level Management (SG & JAG officers)	Some of the latest and relevant topics are included in the AMP and MDP programmes being delivered at NAIR/BRC IRITM, LKO is conducting a special module on Disaster Management developed by them Frequency of Training: Every SG/JAG officer need to undergo the module once every five yearseither at NAIR as regular MDP/AMP course or special DM module at IRITM.	Middle level management officers will be directed as and when slot for Disaster Management course allotted to this railway from IRITM/LKO. or NAIR/BRC
3	Lower Level Management (SS & JS officers including serving Group B officers).	Disaster management training to be imparted at IRITM/LKO Frequency of Training: Once every five years.	Lower level management officers will be directed as and when slot for Disaster Management course allotted to this railway from IRITM/LKO, NAIR BRC & IRIMEE/JMP.
4	Probationers and Group B officers attending induction courses	Topics listed in annexure 4 of detailed instructions are to be covered during the regular training programme at NAIR/Vadodara. Frequency of Training: As part of the course.	Probationers officers including group B will be directed as and when slot for Disaster Management course allotted to this railway from IRITM/LKO,NAIR BRC & IRIMEE/JMP.
5	Supervisors of all frontline departments (Mechanical, Electrical, Engg., S&T, Traffic Comml. & Optg.)	One-week course at ZRTIs Frequency of Training: Once every five years.	All frontline supervisors and staff are being imparted training once in every 5 years. Training of Disaster Management has been given to all supervisory staff of Security Department in initial training and promotion course. Disaster Management training will be given to the supervisory staff once in a five year. Medical department is giving trainingto all the staff as and when directed by the Department of training.

S.N.	Categories of Officials	New Training methodology and schedule	Action taken
6	Railway Staff on board passenger carrying train (TS, Dy. TS, TTEs & catering staff of Commercial Department, Coach attendants and AC Mechanics from Electrical Departments, some of the selected coach cleaners of Mechanical Departments, some of the RPF escorting staff and catering staff of contractor wherever out-sourced).	Disaster Management being a multidisciplinary effort during field operations, training in groups of such on board staff is more desirable and efficient then training them category wise. Role of on-board railway staff has been a matter of great criticism in most of the serious train accidents. On board staff are the first railway representatives to respond to any untoward incident and their empowerment will improve railways response in a big way. Such staff is to be trained in appropriate multidisciplinary groups at such locations in the divisions where there is concentration of such staff to obviate the need for their hostel accommodation, non-availability for longer periods, etc. Such training can be imparted at the selected country- wide locations to cover maximum number of staff in short period of time. This training can also be imparted in the Customer Care Institute. Only few select staff of Mechanical, Electrical (AC), RPF is to undergo this training who are deputed to escort trains. This training will be made mandatory in a phased manner for any staff to go on-board a passenger train. The staff of catering contractor is also to be imparted this training in Phase 2 to leverage their physical presence. Frequency of Training: Once every three years.	Traffic and commercial supervisors & front-line staff training is being ensured by a 6 days training module at Training institute Udaipur. Disaster Management training given all RPF staffs at the time of their initial and promotion training course. Staff will be directed as and when slots are allotted to this railway. All Electrical/Mechanical on board railway staff are being imparted training once in every 3 years.
7	Nominated ARMV and ART staff of Mechanical and Medical departments	Composite training of Mechanical and Medical Staff for relief and rescue operations is planned to be given at upcoming disaster management railway institute at Bangalore. Doctors and paramedics nominated for ARMVs and other rescue operations should be exclusively trained on trauma care management either at some nominated specialised institutions or in-house. IRITM is one of the Training Institutes under consideration. Frequency of Training: Once every three years.	Composite training of Mechanical and Medical Staff for relief and rescue operations is being ensured at Indian Railway Institute of Disaster Management (IRIDM) Bangalore. All medical officers, paramedics who are nominated for ARMV are well trained in Trauma Care Management. However, there is no separate institute available at present for such training in the railway.

S.N.	Categories of Officials	New Training methodology and schedule	Action taken
8.	Disaster management team of RPF staff & other RPF personnel associated with relief rescue operations.	As per recommendation no. 46 of HLC on disaster management there should be a disaster management team of RPF on each division comprising about 15 men in different ranks. Such teams should be trained in providing necessary support on relief rescue operations. The existing 5-day training module should be appropriately revised to make it suitable to achieve the above objective. Each of the above teams should be trained on this module at RPF Academy at Lucknow. In addition, training module may be appropriately developed separately for RPF Officers and staff and should be imparted at RPF Academy at Lucknow. The respective training modules should include role of RPF at the accident site, security at the railway premises like railway stations, trains etc. Frequency of Training: Once every three years for disaster management team of RPF. Once every five years for other subordinate officers and staff (other than disaster management team members. In addition, (i) At least 10% of the RPF personnel may be got trained in a training module of a minimum duration of 15 days with NDRF by GMs/Zonal Railways. (ii) All outdoor instructors of RPF zonal training centres and RPF Academy, Lucknow, may be trained in training of trainers (ToT) course in disaster management over a period of 2 years by a	Training of Disaster Management team of RPF comprising about 15 men as per recommendation no. 46 of HLC on disaster management are being directed once in every 3 years as and when vacancies allotted to this railway by JR/RPF Academy, LKO.

		national training institute nominated as nodal training institute for disaster management like NISA, Hyderabad. Coordination may also be done with NDRF to obtain the list of necessary resources and equipment along with their Quality Regulations & Trial Directives (QR/TD). The RPF Disaster Management Team will be equipped with this equipment and will be imparted the know-how to operate and maintain this equipment in association with NDRF.	
9	RPF Officers	Disaster Management training for RPF officers may be also organized in IRITM till such time the capability in RPF Academy is developed. Frequency of Training: Once every five years for other RPF officers and staff.	04 RPF officers have already attended Disaster Management course. Officers are being directed as and when nomination for Disaster Management course received from IRITM/LKO and JR/RPF Academy, LKO.

Mechanical (Traction) is the Nodal Directorate in Railway Board for Train Accident Management which includes all aspects of Policy on ART/ARME/Cranes and rescue, extrication, firefighting equipment etc. A nodal Training Institute for specialized rescue/extrication etc. for officers and for subordinates and a Safety Village are being set up in Bengaluru; the work on this Institute is being coordinated by Mechanical (Traction) Dte. Railway Board.

Respective Training Institutions on each zonal railway will ensure that the modules prescribed above are institutionalized and officials are imparted training to build capacity of human resource in disaster management.

CHAPTER - 16**NDMA GUIDELINES ON INCIDENT RESPONSE SYSTEM****16.1 DISASTER RISK IN INDIA:**

India is vulnerable, in varying degrees, to a large number of natural as well as man-made disasters. As stated in the National Policy on Disaster Management, 2009, in India, 58.6 per cent of the landmass is prone to earthquakes of moderate to very high intensity; over 40 million hectares is prone to floods and river erosion; of the 7516 Kms long coastline, close to 5,700 kms is prone to cyclones and tsunamis; 68 percent of the cultivable area is vulnerable to drought and hilly areas are at risk from landslides and avalanches.

16.2 OVERVIEW OF INCIDENT RESPONSE SYSTEM:

The Incident Response System (IRS) is an effective mechanism for reducing the scope for ad-hoc measures in response. It incorporates all the tasks that may be performed during DM irrespective of their level of complexity. The main purpose of these Guidelines is to lay down the roles and responsibilities of different functionaries and stakeholders, at State and District levels and how coordinates with the multi-tiered institutional mechanisms at the National, State and District level will be done. It also emphasizes the need for proper documentation of various activities for better planning, accountability and analysis. It will also help new responders to immediately get a comprehensive picture of the situation and go in for immediate action.

16.3 IRS ORGANISATION:

The IRS Organization functions through Incident Response Teams (IRTs) in the field. In line with our administrative structure and DM Act 2005, Responsible Officers (ROs) have been designated at the State and District level as overall in charge of the incident response management. The RO may however delegate responsibilities to the incident Commander (IC), who in turn will manage the incident through IRTs. The IRTs will be pre-designated at all levels; State, District, Sub-Division and Tehsil/Block. On receipt of Early Warnings, the RO will activate them. In case a disaster occurs without any warning, the local IRT will respond and contact RO for further support, if required. A Nodal Officer (NO) has to be designated for proper coordination between the District, State and National level in activating air support for response.

16.4 FEATURES OF IRS:

IRS is categorized with features like management by objectives, unity of command and Chain of command, Organizational flexibility, span of control, unified command, accountability, Resource management, etc.

16.5 SUMMARY OF ACTION POINTS:

IRS constitutes an important part of the Disaster Response at the State and District level. These Guidelines will help the States and the Districts in their disaster response. It will also help to reduce chaos and confusion during response. Everyone will know all has to be done and who is in command. The important thing is to get the team members trained in their respective roles. A time bound strategy with fixed responsibilities is essential to achieve this objective.

CHAPTER - 17**DISASTER MANAGEMENT SYSTEM, STRATEGIES, CRITICAL ACTIVITIES AND AVAILABLE RESOURCES****17.0. Rescue and Relief System on Indian Railways:**

The Indian Railways is having an organized system of rescue and relief operations for managing accidents with its own resources. Details of procedures and systems have been laid down in the Accident Manuals of the respective Zonal Railways. Each Zonal Railway has its own Accident Manual for dealing with Railway accidents and unusual occurrences. The manual contains various definitions of the terms used in accident management. Accidents have been classified into various types and categories depending upon the seriousness of the accident. Preparedness to manage accidents is also detailed in the Accident Manual by way of details of Accident Relief Medical vans (ARMVs) and Accident Relief Trains (ARTs), equipment contained therein, their beats, inspection schedules, turnout times, etc. The Accident Manual also lists the information to be maintained at the stations, like names, addresses and telephone numbers of nearby hospitals, local police, fire brigade etc. It also details various records and information to be maintained in the Divisional Control, like railway and non-railway hospitals, ambulance services, firefighting arrangement, contact information of officials of Civil Administration, road maps etc. for ensuring expeditious mustering of resources at the time of accidents. It also prescribes in details the duties of various railway officials and concerned departments to be discharged in managing accidents. The types of accident inquiries, their procedure and timeframe etc. for holding the inquiry are also detailed. It also prescribes the methodology of acceptance and disposal of the accident inquiry reports.

Steps are taken to provide prompt and effective relief to the affected passengers in the event of any serious train accident involving deaths. The senior-most officer at the accident site takes full charge of the situation, and supervises the overall relief operations. Special inquiry booths are opened at originating, terminating and important stations en-route. The affected passengers and their relatives are treated in order to alleviate their trauma and discomfort. Railway doctors are deputed to the hospitals where the injured are admitted, to render necessary assistance, including supply of required medicines, etc. Arrangements for supply of meals, drinking water, and beverages etc. to not only the injured, but also to other passengers of the affected trains are organized. STD-equipped telephones are made available to passengers, to enable them to communicate with their relatives. Officers and Inspectors are also deputed to contact the affected passengers and assist them in their onward travel. Special care is exercised to collect and provide security to the belongings of all passengers. Relief trains are arranged for clearing stranded passengers. A thorough and unbiased investigation into the adequacy of the relief measures is made after every serious accident. Crash courses on 'Disaster Management' for officers and staff at all levels are organized to sustain awareness of the importance of the situation. Timely information is given to the press to avoid misreporting and speculation about the casualties and the cause of the accident.

17.1 Disaster Management system and strategies on Indian Railways:

The Indian Railways is having an organized system of relief for managing accidents with its own resources. Details of procedures and systems have been laid down in the Accident Manuals of the respective Zonal Railways. Each Zonal Railway has its own Accident Manual for dealing with Railway accidents and unusual occurrences. The manual contains various definitions of the terms used in accident management. Accidents have been classified into various types and categories depending upon the seriousness of the accident. Preparedness to manage accidents is also detailed in the Accident Manual by way of details and Accident Relief Cranes their beats, inspection schedules, turnout times, etc. Presently there are 96 Nos. Cranes (73 Nos. of 140 T, 5 Nos. of 120 T and 18 Nos. of 35 T Cranes over Indian Railway system. **Presently in Western Railway 07 Nos. of 140 T Cranes are available. Details of Accident Relief Cranes, their beats, inspection schedules, turnout times and locations all over western railway is given in ZDMP-Part II.**

17.2 Areas of Focus on Disaster Management:

The main areas of focus on disaster management are: -

- (i) Faster Response
- (ii) Better facilities and equipment
- (iii) Expanding resources to meet requirements in major accidents
- (iv) Better customer focus
- (v) Training and Preparedness
- (vi) ART management to undergo major changes covering rolling stock management, status of equipment, monitoring of utilization of assets and availability and consumption of stores etc.

17.3 Critical Activities for Disaster Management:

- (i) 16 ARMVs (Including 10 SPARTs and 01 MG ARME and 05 BG ARMEs) and 15 Accident Relief trains ARTs (Including 02 MG ART), are positioned at strategic locations which cover the entire rail network of Western Railways.
- (ii) The details of ARMEs& ARTs with their strategic locations which over entire network of Western Railway for rushing to accident sites on top priority, along with doctors, para medical staff, rescue workers and engineers in ZDMP-Part II
- (iii) ARTs and ARMVs are equipped with rescue and relief equipment. These are located so as to cover an area not beyond a distance of 150 to 200 kms within 2 to 3 hours normally. Sometimes, the ARMV may take up to 4 hours to reach the accident site in a remote area. In addition, there are 320 stationary Accident Relief Medical Equipment (ARME) – Scale II consisting of three sets of Portable Medical Kit for Accidents (POMKA) units positioned at identified stations, placed 80- 100 kms apart in between ARMVs.
- (iv) In addition to the recommended list of ART Tools and Equipment, 13 additional items have been recommended by a committee for adding to the ARMV/ART which includes Life Detector, Scene Tape, Rope manila Nylon, Safety cone, stretcher folding, MFR Kit with Splints, Breathing

apparatus set, Portable DG sets, Higher capacity hydraulic, Portable Plasma cutting equipment for cutting stainless steel coaches, Portable Defibrillator, Abrasive cutting equipment and Life Jackets, etc.

- (v) On receiving information of an accident, the ARTs and ARMVs are dispatched to the accident site along with personnel trained in rescue and relief operations. ARMVs and ARTs are powered by locomotives brought from line in case of accidents/ derailments. To avoid delay in arranging locomotives, Self-Propelled ART was developed first time in 2001 indigenously by Rail Coach Factory (RCF), Kapurthala. This concept has been extended to Self-Propelled ARMV also. 52 Self Propelled ARTs and 11 Self Propelled ARMVs (manufactured at RCF, Kapurthala and ICF, Chennai), are working on IR network and more are being manufactured at ICF, Chennai so as to provide one per division as per High Level Committee on Disaster Management.
- (vi) Unlike many other countries where local bodies such as Fire Brigade, Police, Health Services and Civil Defence Organizations etc. are responsible completely for rescue and relief operations during railway accidents, Indian Railways has an organized system of relief and rescue operations for managing accidents mainly with its own resources. The local administrations; however, has the responsibility to support Railways.
- (vii) Preparedness to manage accidents is detailed in the Accident Manual of each Zonal Railway. It also contains detailed procedures, duties of various Railway Officials, details of rail-mounted relief and rescue equipment i.e., Accident Relief Medical vans (ARMVs) and Accident Relief Trains (ARTs) along with items contained therein, their beats, inspection schedules, turnout times, etc.
- (viii) ARTs and ARMVs are rail mounted and located at stations where Railways have suitably trained staff. Movement to the site depends upon operational conditions. Many a time Railway doctors, para-medics and other officials reach site of the accident by road, earlier than ART/ARMV.
- (ix) Target time for dispatch of ARMVs/ SPART is a maximum 20 minutes from double exit siding and 30" from single exit siding after their ordering. Target time for dispatch of ARTs is a maximum of 60 minutes in night and 45 minutes in day time from their ordering.
- (x) As Accident Relief Train may take up to 3 hours to reach a remote accident site, the resources available near the accident site are very important and pooled for immediate relief and rescue:
 - (a) On board staff e.g. Loco Pilot, Assistant Loco Pilot, Train Manager, Commercial Staff, Pantry staff, Carriage and Wagon/Electric staff etc.
 - (b) Staff nearby accident site e.g. Gang men, Station staff etc.
 - (c) Help from local people in nearby vicinity.
 - (d) Local administration e.g. Civil administration, Police, Health, Fire etc.
 - (e) National Disaster Response Force
 - (f) Air Force/Military services

It is seen that by pooling the resources of local, state and central government and help from local people, effective disaster management can be done during the Golden Hour. Casualties/injuries is reduced effectively with integration of resources belonging to all the stakeholders for managing disasters.

(xi) The main activities undertaken by Railway administration at accident site are:

- (i) The medical team participates in rescue and stabilisation of injured passengers, those seriously injured are transported to nearby hospitals.
- (ii) The cost of such treatment is borne by the Railways. Deaths are certified by doctors and dead bodies are handed over to Police for further action such as autopsy etc. for medico-legal purpose.
- (iii) Railway doctors are deputed to the hospitals where the injured are admitted, to render necessary assistance, including supply of required medicines, etc.
- (iv) In addition to the above own resources, nearby ambulances and doctors with paramedics, fire brigades; other necessary resources are also requisitioned as per need for expeditious operations.
- (v) Information like names, addresses and telephone numbers of nearby hospitals, local police, fire brigade, officials of Civil Administration etc are available at Stations/Divisional controls and immediate relief is sought at the time of accident.
- (vi) In case of serious accidents involving passengers, National Disaster Response Force (NDRF) is also requisitioned. 24X7 control room of Ministry of Home Affairs (MHA) or the control room of concerned ministry is contacted for mustering help from defence services including help of Air Force.
- (vii) Relief trains are arranged for clearing stranded passengers.
- (viii) Arrangements for supply of meals, drinking water, and beverages etc. are made not only for the injured, but also to other passengers of the affected trains.
- (ix) Once affected passengers are attended, accident site is restored back to normal traffic with the help of break-down cranes, hydraulic rescue equipment, etc.
- (x) The accident inquiries are conducted within a time frame and preventive/corrective actions are taken accordingly.
- (xi) Timely information is given to the press to avoid misreporting and speculation about the casualties and the cause of the accident.
- (xii) Disaster Management at Divisional, Zonal and Ministry level are integrated with each other, and are comprehensive and fully prepared to handle disasters.

17.4 Responsibility for Rescue and relief Operations:

Unlike India, in many countries, local bodies such as Fire Brigade, Police, Health Services and Civil Defence Organizations etc. are responsible for rescue and relief operations during railway accidents. The Indian Railways has occasionally been criticized that the railway rescue teams reach the accident site later than the local people. As the railways are spread out over a vast geographical area, it is humanly not possible to maintain rescue and relief equipment and teams at every station. ARMVs can only be located at stations having adequate medical back-up facilities. At times it takes some time for the relief teams and equipment to reach the accident site from the nearest railway rescue facility, depending upon the accessibility to the accident site. Further, consequent to the Disaster Management (DM) Act coming into force, National Disaster Response Force (NDRF) has been constituted at different locations throughout the country. NDRF is a force specialized in handling rescue and relief operations in all types of disasters in the country and Railways take their help in major accidents involving passenger trains.

17.5 High Level Committees on Disaster Management on Indian Railways:

- **Constituted by the Ministry of Railway in September 2002.**
 - To review the existing DM system over IR related to train accidents and natural calamities and to suggest improvements.
 - To identify additional technological and managerial inputs to quicken pace of relief and rescue operations.
 - To institute a standing arrangement with other central Ministries, State government and armed forces to enable quick and smooth restoration operations without any legal or procedural hurdles.
- All 111 recommendations have been accepted by MR in March, 2003.
- The financial implications of implementing these recommendations were estimated to be around Rs. 400 crores.
- 8 recommendations have been dropped by appropriate authority.
- 104 recommendations have been implemented.
- Balance 07 are under implementation.
- **111 recommendations can be broadly grouped in 5 groups.**
 - Faster response.
 - Better facilities and equipment-technological inputs.
 - Expanding resources.
 - HRD
 - Other logistics.

Another Disaster management review committee was appointed on 27.02.07 under the chairmanship of Shri Gajendra Narain, an ex-IPS officer with the following terms of reference:

- i) Comprehensive study and audit of current preparedness and management practices referring to all types of disasters/hazards for different phases of disaster management i.e. prevention, mitigation, rescue, relief and rehabilitation;
- ii) Suggest ways and means for integration of disaster reduction concept into development planning;
- iii) Identify the recommended areas needing development of multi-stakeholder partnership and citizen participation with a view to establish a coordinated mechanism for disaster reduction, response and rehabilitation;
- iv) Study existing statutory provisions for effective disaster management on IR and suggest changes, if any;
- v) Suggest best suited management structure for effective delivery along with enabling tools; and
- vi) Suggest any other measures which committee may consider appropriate within the scope of disaster management.

The Committee gave 106 recommendations, recommendation no. 2 has three parts (A, B & C), thus actually there are 108 recommendations, out of which 41 recommendations have been accepted and 67 have not been accepted. Out of the 41 accepted recommendations, 40 have already been implemented and only 1 is under implementation.

An Expert Group committee for Modernization of Indian Railways was constituted by Ministry of Railways which submitted its report in February, 2012. The Committee recommended for up gradation of Disaster Management facilities which inter-alia included provision of high-speed self-propelled Accident Relief Trains and Medical Vans, Road Cum Rail Vehicles for accident relief, 175 T cranes, setting up of Disaster Management and other Training Centres.

17.6 Disaster Management Plans:

The High-Level Committee on Disaster management over Indian Railway stipulated that each Zonal Railway and Division must write its disaster Management Plan dovetailing the same with concerned State Government/District. The Disaster Management Plans are to be prepared to ensure proper coordination and mutual co-operation among Divisions and Zonal Railway Authorities with the state/District authorities in managing severe accidents in the Indian Railways and disasters in general. The Railway should also be fully aware of the local, civil, army and other resources available for supplementing the Disaster Management efforts as and when required. The Disaster Management Plan must include who is responsible for what activities in detail, to ensure the basis steps as below:

- Rapid access to the site of the accident.
- Effective site management by making best use of on-board and locally available resources.
- Quick extrication of victims.
- Speedy transportation of victims to hospital.
- Proper communication system both for assisting the stranded passengers as well as giving out timely information to the relatives of passengers in the train involved in the accident and also to the media.

In compliance to the above instructions of the Railway Board, all 17 Zonal railway Headquarters and 68 divisions have prepared their respective Disaster Management Plans. Zonal Railways have also hosted their Disaster Management Plans on the Rail net site and also uploaded the same on Safety Information Management System (SIMS) site of Railway board for the widespread sharing.

CHAPTER 18**DISASTER MANAGEMENT PLAN OF RAILWAYS – PERIODICAL REVIEW****18.0 Background**

Regular maintenance is critical to ensure the relevance and effectiveness of the DM plans. Plan maintenance is the dynamic process. The plan must be periodically updated to make it consistent with the changes in Government policies, initiatives, and priorities as well as to incorporate technological changes and global experiences. Development in Railways, Location of Relief trains contact details etc. should also be updated. Evaluating the effectiveness of plans involves a combination of training events, exercises, and real-world incidents to determine whether the goals, objectives, decisions, actions, and timing outlined in the plan led to a successful response. In this way, the emergency preparedness exercises become an integral part of the planning process. The DM planners must be aware of lessons and practices from various parts of India as well as lessons from across the world. The trainings, mock drills and exercises are crucial. Mock Drills conducted with NDRF/Local bodies and lessons learnt from actual train accidents will help in evaluating the operational aspects of the plan, rectify gaps, and improving the efficiency of the plan. The likelihoods of emergencies and actual occurrences are also occasions for evaluating the plan, making innovations, and for updating the plan, SOPs and guidelines. At times, operations experience setbacks due to outdated information, ineffective procedures, incorrect role assignments, and outdated norms. Further, the priorities for a jurisdiction may change over time as the makeup of the included communities change, as resources expand or contract, and as capabilities evolve.

18.1 Mock Drills/Exercises and Training

For coordination and management during Disaster/major train accident, Indian Railways conducts mock drills with NDRF and each NDRF battalion carry out at least one or two exercises/coordination meeting with each Zonal Railways every year. Coordinating DIG/NDRF and ED/Safety(M), Railway Board finalize the calendar and circulate to concerned Zones/Divisions for conducting Full Scale Disaster Management Exercise with NDRF. Such programs are crucial to ensure full preparedness and to maintain operational readiness of the disaster response operation teams, institutional mechanisms, and the equipment. These drills are organized to test their readiness to deploy within the shortest possible time. Various courses on Safety and Disaster management are also conducted at training institutes of Railways. The trainings are crucial because they go beyond concepts and guidelines into inculcating in the individuals the critical importance of working as a coherent team for emergency response with a clear chain of command. The workshops and drills will also provide an opportunity to practice SOPs.

Zonal Railways also conduct Mock drills periodically in each division utilizing the resources of Railways i.e. accident Relief Train (ART), Accident Relief Medical Van (ARMV) etc.; as per norms. Shortcomings noticed and lessons learnt during the mock drill should be documented for corrective action and to improve SOPs.

18.1.1 MOCK DRILL:

Trained manpower is an essential ingredient of any Disaster Management system. Mere provision of sophisticated equipment without trained manpower is futile. For handling an unforeseen situation like managing a Disaster, training of all railway personnel concerned is an inevitable input. To acquire necessary knowledge and skill, all relevant officials should be given periodic training regarding their duties and that of their department.

18.2 Testing the Plan and Learning to Improve

Evaluating the effectiveness of a plan involves a combination of training events, exercises and real-time incidents to determine whether the goals, objectives, decisions, actions and timings outlined in the plan led to a successful response. The purpose of exercises and drills is to promote preparedness by testing the plan with equal participation of all relevant stakeholders. The process of evaluation and remedial actions will identify, illuminate, and correct problems with the DMP. This process must capture information from exercises, post disaster critiques, self-assessments, audits, administrative reviews, or lessons-learned processes that may indicate that deficiencies exist. Members of the planning team should reconvene to discuss the problem and to consider and assign responsibility for generating remedies across all mission areas. Remedial actions may involve revising planning assumptions and operational concepts, changing organizational tasks, or modifying organizational implementing instructions (i.e., the SOPs/SOGs). Remedial actions may also involve reassessment of capabilities, revisiting assumptions made in the DMP, and finding solutions to overcome the deficiencies. The final component of a remedial action process is a mechanism for tracking and following up on the assigned actions. As appropriate, significant issues and problems identified through a remedial action process and/or the annual review should provide the information needed to allow the planning team to make the necessary revision(s) to the plan.

18.3 Preparation of DM Plans on Western Railways (Zonal & Divisional)

Western Railway has prepared Disaster Management Plan at Zonal and Divisional Level as per the provision of Disaster Management Act, 2005 as detailed in the earlier chapters and the Disaster Management Plan of the Indian Railways (prepared by Railway Board). These Plans will encompass the National Policy of Disaster Management (NPDM) and Guidelines issued by NDMA; as also all types of disasters that can occur on the Railway system. It is reiterated that the High-Level Committee on Disaster Management Constituted in 2003 had mainly dealt with the up gradation of Railways relief/rescue facilities to handle train accidents. These are, therefore, only of limited use and relevance in the Disaster Management plan and have now been framed based on the new concept of a Disaster as given in the DM Act, 2005. These Plan of the Western Railway detail all types of disasters, the preventive, and mitigation and preparedness measures being taken by this railway both at Zonal & Divisional level, and also the rescue, relief and restoration systems in place to meet with them.

NDMA guidelines, instructions issued by the Boards office from time to time and the action plan framed by Western railway form the backbone of these Disaster Management Plans. Further, these plans have been dovetailed with the State and District Disaster Management Plans wherever the same have been prepared.

Western Railway has focused on the developments happening in their local area in the Government, non-govt. and private sector and bulletin the expertise-based all-inclusive approach as envisaged in the Disaster Management Act, 2005.

For ensuring the uniformity and best possible use of the information, Western Railway has made an effort to broadly format these plans as under:

18.3.1 Divisional Disaster Management Plans on Western Railway contain division specific information. It contains divisional action plan for dealing with all types of railway disaster and is not restricted only to detailed inventory of Railway and non-Railway resources as envisaged in. These Divisional Disaster Management Plans focus mainly on further new developments of sharing of resources with all stakeholders. Further, it contains divisional specific information like road maps, etc. Information common to all divisions of Western Railway are replicated uniformly in all Divisional Disaster Management Plans. Divisional Disaster Management on Western Railway contains information about the following: -

1. Role and responsibilities of officials and other stakeholders at the accident site and in the divisional control room.
2. Site Management plans
3. Do's and don'ts in handling various types of accidents involving chemicals, oil and natural gas, nuclear materials etc.,
4. Precautions to be taken in case of fire accidents.
5. Action plan for Management of Crowd at stations during festivals and events of mass gathering.
6. Details of Incidence Response System
7. Passenger care and Managing of Dead Bodies.
8. Media Management
9. Vulnerability profile of the division from various natural disasters like Earth Quakes, Tsunami, Floods, Avalanches, Landslides, Cyclones etc.,
10. Details of Vulnerable bridges and their location.
11. Telephone Nos. including Mobile Nos. of all-important railway officials at both Zonal & Divisional level and telephone Nos. of all stations, blocks etc.
12. Location of ART&ARME/SPART and of adjoining division and of adjoining Zonal Railways.
13. Inventory of medical facilities within Division, Doctors, Hospitals including their specialization/No of beds, Nursing Home, Ambulances etc.,
14. Details of District & State Officials
15. Details of Fire service stations.
16. Details of Defence establishment including Army, Navy & Air Force.
17. Details of Helipads/location where a small plane or helicopter can land.
18. Contact details of Oil and Gas companies and Chemical industries.

19. Details of social organization/NGOs.
20. Inventory of agencies with earth moving equipment like road crane, bulldozer, boats, diving equipment etc.
21. Details of skilled divers with their name and contact details.
22. Details of road transport facilities, distance map superimposed on division map, detailed road maps etc.
23. Details of forensic personal.
24. List of materials in ART&ARME.
25. Details of para military establishments.
26. List of Government and private helicopter service providers/their contact numbers.
27. Contact numbers of Scouts and Guides.
28. Contact details of St. John Ambulance services

18.3.2 Western Railway Zonal Disaster Management Plan has incorporated information common to all divisions of Western Railway. Western Railway's action plan contains Action Plan & preparedness of the Railway for dealing with all types of Railway disasters. This plan further, contains action items along with their progress detailed for all type Railway disasters. Contrary to the divisional Plan this is more centric towards prevention, mitigation and preparedness than rescue and relief. Information like formation of relief and rescue teams at the accident site, Disaster Management Control Cell, Duties of various officers/officials etc. in addition to the information specific to headquarter is incorporated in this plan. Divisional Specific information is incorporated in the Divisional DM Plan.

18.4 Periodical Review of Disaster Management Plans:

This step closes the loop in the planning process. It focuses on adding the information gained by subjecting the plan to the lessons learnt while executing, and start the planning cycle all over again. All the relevant stakeholders should establish a process for reviewing and revising the plan. Reviews should be a recurring activity. It should also be reviewed and updated as indicated below:

- Major review and revisions after each major incident
- After significant change in operational resources (e.g., policy, personnel, organizational structures, management processes, facilities, equipment)
- Subsequent to any notification or formal update of planning guidance or standards
- After every case of plan activation in anticipation of an emergency
- After the completion of major exercises
- A change in the district's demographics or hazard or threat profile
- Enactment of new or amended rules, laws or ordinances

On Western Railway the Disaster Management Plans both at Zonal & Divisional level are reviewed and updated at least once a year, i.e. January. In the review changes in policy (including the NPDM) issued by NDMA/NEC and by the Central Governments, Disaster Management Plans of Western Railway and Railway Board are being made. The changes in the Disaster Management Plans of the State Governments and of the Districts are incorporated in the respective Divisional Disaster Management plans.

18.5 Nodal Department for Policy Formulation and Updation of Disaster Management plan:

Disaster Management plan of Ministry of Railways, Zonal and Divisional plans has to be prepared by the safety department in coordination with the concerned departments of the railways and all other stake holders. Each Disaster Management plan must be reviewed at least once in a year i.e. in January.

The Hospital DM plans and the Security arrangements (drills etc.) shall be prepared and coordinated by the Medical and the Security department respectively.

The Management of Floods, Cyclones, Earthquakes, Landslides, etc., and preventive action/ mitigation shall be coordinated by the Civil Engineering Department.

The Rescue and Restoration centric DM including preparation of plans and procurement of specialized equipment and rescue centric training of personnel has to be coordinated by the Mechanical Department.

On Western Railway Safety department is responsible for compilation of Disaster Management Plans at HQ and Divisional Levels which are reviewed in January every year. These Plans are also hosted on the rail-net server of the Western Railway and on Safety Information Management System (SIMS) in an interactive format so that the information can be shared and its retrieval is simpler.

CHAPTER – 19**HEADQUARTER DISASTER MANAGEMENT CELL & CRISIS MANAGEMENT****19.1 Functioning of Disaster Management Cell:**

The Disaster Management Cell will operate at HQ and shall be attended by nominated Officers. BSNL Telephone no. of Disaster Management Cell, HQ – CCG is 022-22067931 & 22067932. The departmental wise nodal officers along with their duties are listed below:

19.1.1 Safety Department: Nodal Officer- Dy. CSO (Traffic/Mech.)

The Officer representing Safety Department shall co-ordinate the functioning of Disaster Management Cell. He shall report the accident to Railway Board/CRS/GM and update the restoration details from time to time. He shall also monitor ordering of Relief Train for evacuation of involved passengers from the site of accident. The officers attending the Disaster Management Cell shall obtain the full details of the accident from Divisional Control/Site of accident and shall monitor the movement of Breakdown Train and Relief Train. Top-most priority is to be given for rescue and relief operations, for transferring the injured passengers from the site of accident to the nearest hospitals and for sending medical aid from Civil/Military/private hospitals.

19.1.2 Medical department: Nodal Officer- ACMD (IH)

The Officer representing Medical Department shall ensure utmost medical care and attention to the injured passengers. He shall ensure all medical assistance from the nearby resources. He shall obtain all details regarding casualties/injuries to passengers involved in the accident and shall maintain liaison with the Accident Site/Referral Hospitals and Dispensaries, and shall consolidate the list of injured/casualties in minimum time so that the same can be faxed to concerned station/division for display in Emergency Control and Emergency Information Booths.

19.1.3 Commercial department: Nodal Officer- Dy. CCM (G)

The Officer representing Commercial Department shall ensure ordering of refreshment for the passengers of involved train, payment of ex-gratia to the injured and to the next-of-kin of the dead passengers, arrange for transshipment of goods and passengers' luggage, and hire private buses for transport of passengers from site of accident to the nearest Rail Head. He shall also ensure transmission of details information regarding injured/casualties to originating/destination stations, to Railway Board, and to headquarters of the originating/destination Railways. He shall also ensure opening of Emergency Information Booths at important junction stations enroute within the Railways.

19.1.4 Operating department: Nodal Officer- Dy. COM (R)

The Officer representing Operating Department shall manage relief and restoration operations at headquarters level. He shall record all events related to the accident chronologically. He shall ensure regulation and diversions of train keeping in view the likely time of restoration at accident site. He shall ensure that the passenger carrying trains are regulated at such stations where water and catering facilities are available. He shall also monitor the movement of ARTs/ARMVs/SPART/SPARME/ Labour Special trains ordered from the adjoining divisions and zones.

19.1.5 Mechanical department: Nodal Officer- Dy. CME (Freight)

The Officer representing Mechanical Department shall monitor and assess the requirement of additional Medical Vans/Breakdown train and shall liaison with adjoining Railway/Division for ordering the same. He shall also monitor the movement of breakdown trains. He shall obtain the details of rolling stock involved in the accident and its PRO particulars. He shall obtain the restoration details regarding re- railment / toppling wagons/coaches done by each individual Breakdown Train. He shall obtain the bio- data of the crew involved in the accident.

19.1.6 Engineering department: Nodal Officer- Dy. CE (TO & TP) CCG

The Officer representing Engineering Department shall obtain the information regarding damage to track and shall ensure ordering of material train if required. The details of track structure and other relevant details such as USFD particulars, last inspections profile of the track, etc. shall be obtained within minimum time. He shall organize ordering of additional Labour and material Specials, as per the requirement at site, from the adjoining divisions/ zones. DYCE (TS)CCG shall be the standby officer.

19.1.7 Electrical department: Nodal Officer – Dy. CEE(L/OP)

The Officer representing Electrical Department shall obtain the details of extent damage to OHE/Loco. He shall obtain the bio-data of crew involved in the accident. He shall assess the requirement of additional material at the site and shall organize movement of Tower Wagon/Material-Special to the site of accident and also the arrangement of lighting at the site.

19.1.8 S&T department: Nodal Officer- CCE

The Officer representing S&T Department shall ensure efficient communication. A line should be dedicated for the emergency transmission from site of accident/division control to Disaster Management Cell at HQ. He shall ensure installation of BSNL Phone/Railway Phone at the site of accident involving passenger train and establishing the communication and data link with the site to get information and video feed in real time. He shall obtain the details of S&T gears involved, if any, in the accident.

19.1.9 Security department: Nodal Officer SO to PCSC

PCSC/Dy. CSC co-ordinate with State police for formalities for the dead, managing the crowds and maintaining law and order. He will ensure protection of the belongings of affected passengers and render assistance to them. Maintain and protect railway properties during public agitation. Maintain liaison and Co-ordinate Army/Paramilitary forces for assistance.

19.2 Liaison with Railway Board:

Western Railway Disaster Management Cell will maintain constant liaison with the Emergency Cell, Safety Directorate at Railway Board for following activities:

- (1) Movement of ARTS/ARMVs/SPART/SPARME from adjoining Zones.
- (2) Diversion, regulation, cancellation, rescheduling etc. of Mail/Express trains.
- (3) Movement of men and material from adjoining Zones/Divisions.
- (4) Opening of Helpline enquiry booths on other Zonal Railways and at;
- (5) Originating and destination station of the accident involved train and at all Major/Junction stations falling on the route of the train and at Divisional headquarters of originating and terminating divisions.
- (6) Movement program for visit of MR/MOSR, CRB& CEO, other Railway Board Members and DGs to the accident site.
- (7) Assistance required from Armed Forces, para-military forces, State Govts. Should be conveyed to Railway Board.
- (8) Progress of rescue and restoration operation.
- (9) Prima-facie cause of the accident.

19.3 Duties of Quick Response Team:

This team shall meet immediately to stock the situation and monitor rescue, relief and restoration works. The team may arrange several sittings to monitor the progress. The committee shall be responsible for –

- (1) Keeping in regular touch with the division as well as the accident site, to monitor the rescue, relief and restoration works.
- (2) Taking stock of the position to Railway Board and convey information to GM/AGM and nominated officer of the Railway Board, and Ministry of Home affairs for assistance as needed in all respect.
- (3) Keeping in touch with Army, Air Force, Navy or other higher authorities for rendering assistance.

19.4 Telephone Numbers for Railway Accident Information:

HQ of WR and BCT, BRC, RTM, ADI, RJT & BVP Divisions of Western Railway are allotted 4 digits DOT telephone No. 1077 for giving Railway Accident Information. Normally this telephone will be manned by punctuality controllers. During railway passenger train accident, the phones will be manned by multi-disaster resistance control cell to provide information to public regarding type of train accident, place and time of accident, train/trains involved, affected Coach Nos. injuries/causalities etc.

19.5 Difference between a Crisis and Disaster:

A Crisis indicates either an impending calamity, or the occurrence of an incident which would adversely affect the society and human population. A Disaster is a much bigger occurrence of an event which would cause large scale devastation, damage to property and loss of human life etc. While a Crisis may or may not turn into a Disaster, the opposite is normally true, but with the condition the crises situation is more in the initial stages.

19.6 Crisis Types:

There can be broadly 4 types of crisis situation which the Ministry of Railways may be confronted with:

- (i) National level crisis developed in the Railways and is specific to railways, which is to be managed with the help and assistance of other Ministries. All India Railway Strike is only such crisis identified in the CMP 2019 for which Ministry of Railways is the nodal ministry.
- (ii) National level crisis affects the country including Railways and different ministries/departments have to help and assist each other based on their strengths. Cyclone, Earthquake etc. can be such crisis where Railways have to assist by running special trains. Ministry of Home Affairs has to assist railways under security related crisis situations like sabotage, bomb blasts, etc.
- (iii) Crisis situation which is not a national level crisis affects Railway system, which is to be managed with the help and assistance of other Ministries/departments. Chemical explosion in train, fire in train, train falling in river, etc may be such situations.
- (iv) Crisis situation which is not a national level crisis affects Railway system, which can be managed with the help of internal resources from the Railways only.

19.7 National Level Crisis: -

The Crisis Management Plan deals with National level crisis situations as under:

- (i) **All India Railway Strike** - Ministry of Railways is the nodal ministry
- (ii) **Terrorism/Security related Crisis** - Ministry of Home Affairs is the nodal ministry but Railways have to maintain liaison and flow of information.
- (iii) **Natural Factor(s) related Crisis leading to traffic disruption** - Ministry of Home Affairs is the nodal ministry but Railways have to maintain liaison and flow of information for assistance to restore the affected railway system.
- (iv) **Crisis where Railways have to help other ministries** by way of rail transport. Ministries concerned will make their own Crisis Management Plans bringing out the assistance that the Railways will be required to provide to them.

19.8 Zonal Management Group / Quick Response team of WR:

There is high level monitoring committee at Zonal Headquarter called as Quick Response Team (QRT) of Western Railway, Churchgate comprising of: -

Additional General Manager	Convenor
Principal Chief Engineer/Chief Engineer (Co)	Member/ Alternate Convenor
Principal Chief Security Commissioner	Member
Principal Chief Personnel Officer	Member
Principal Chief Operations Manager	Member
Principal Chief Mechanical Engineer	Member
Principal Chief Electrical Engineer	Member
Principal Chief Signal & Telecommunication Engineer	Member
Principal Chief Safety Officer	Member
Chief Public Relations Officer	Member

19.9. Drill for handling Crisis:

The Crisis Management Plan (CMP) is intended to deal with the afore-mentioned crisis situations only. The drill to be followed in the Ministry of Railways (Railway Board) as well as on the Zonal Railways in respect of crisis group, functioning of the Control room, communication etc., are basically the same for all crisis situations and the same general drill will follow, to be supplemented by the special instructions depending upon the nature of the crisis.

19.10. Action plan for Diesel outage:

Railway board vide its **letter no. No. 2014/TT-I/27/04 issued by Joint Director Traffic Trans-III dated 03.04.2024** has advised to make action plan for Diesel outage, which is required to be maintained (including maintenance spares) so as to ensure continued essential traffic movement during emergencies and disasters. The basic idea should be to ensure that a diesel loco reaches the required location within 60 minutes. The plan should be based on:

- (i) Restoration of traffic after accidents / derailment in OHE section.
- (ii) Major yards can have diesel locos which can be used in inferior services and
- (iii) for normal running of trains.
- (iv) Type of diesel locos required and section wise requirement of diesel crew.
- (v) In case of disaster like complete black out.
- (vi) Strategic importance.
- (vii) For fuelling it should not move more than 250 km and for minor schedules it should not move more than 500 km.

CHAPTER – 20

PRIME MINISTER'S 10 POINT AGENDA

Honorable Prime Minister Ten Points Agenda

The collection of data and formulation of vulnerability Atlas is a prime step to work towards Disaster Risk Reduction (DRR). During the Asian Ministerial Conference in Nov'2016, Indian Government committed on Disaster related issues and Prime Minister of India announced a Ten Point Agenda outlining the Indian Government's commitment to Disaster Risk Reduction (DRR). As a follow up action vulnerability Atlas was launched on 2nd March 2019 by Building Material Technology Promotion Council (BMTPC).

This Ten point agenda has become a guiding factor for all Disaster Risk Reduction (DRR) activities and Programmes. National Disaster Management Authority (NDMA) has finalized the National Disaster Management Plan - 2019 giving special emphasis to the Ten Point Agenda

Sl. No.	10 Point Agenda items	Action Taken Report
1.	All development sectors must imbibe the principles of disaster risk Management.	- The WR has formulated Disaster Management Plan in conformity with the recommendations of High Level Committee on Disaster Management-2003, Disaster Management Oct, 2005 and the guidelines issued by National Disaster Management Authority (NDMA), which is updated periodically from time to time. - The objective of this DM Plan is to make The system prompt, receptive and efficient enough to respond quickly in case of any Disaster and to establish a disaster management culture and make all officials aware of their respective roles and responsibilities
2.	Work towards risk coverage for all – starting from poor households to small and medium enterprises to multi-national corporations to nation states.	- Railway employees irrespective of their posts have been covered under free medical treatment in Railway hospitals and other approved specialised Hospitals. - Appointment of the eligible ward of the deceased railway employee on compassionate grounds is available in Railways as part of risk coverage apart from grant of family pension. - There is provision of risk coverage for train passengers and goods transported through rail in case of accidents/disaster as per provisions contained in Indian Railways Act.
3.	Encourage greater involvement and leadership of women in disaster risk management.	- Many women employees are associated with Disaster Risk Management activities in Railways like rescue and relief operations, medical services at the site of disaster / rail accident, communication of information to general public and security services (RPF/GRP) etc. - Services of Guides are also rendered during such exigencies. - Women employees are encouraged by suitably rewarding for their

		contribution towards Railway work including disaster related activities by Railway administration. Women employees (especially doctors, nursing staff hospital attendants etc.) have rendered commendable services with utmost commitment and dedication during COVID-19 pandemic.
4.	Invest in risk mapping globally.	- Multi hazard risk assessment and risk mapping on account of disasters such as cyclones, floods, breaches, landslides, earthquakes, fire etc. are incorporated in the WR Disaster Management Plan. - Further, detailed risk mapping indicating the vulnerable locations like bridges, tunnels, RATs, deep cutting locations, landslide etc. have also been included in the WR Blue Book on Monsoon Instructions and Standard Instructions for Monsoon Patrolling, which are updated periodically. - Rescue and relief machinery is kept ready at strategic locations as part of disaster risk reduction.
5.	Leverage Technology to enhance the efficiency of our disaster risk management efforts.	- The appropriate latest technology is adopted by Railways in regard to various aspects / activities involved in the disaster risk management process such as: - Establishment of reliable communication system even from remote areas with installation of satellite based communication equipment (VSAT) and dissemination of information to the general public and the media about the incident. - Communication equipment like (VHF sets) walkie-talkies, mobile phones (CUG) provided to the field staff involved in train operations, maintenance of assets etc. in safety categories for conveying / passing on the information about disaster. - The latest technology systems for prevention of train collisions / accidents viz. TCAS, TCWS, ATP etc. are being provided on IR and TCAS is under implementation and has been commissioned on some sections over WR. - Modern tools and equipment, machinery etc. are provided in rescue and relief special trains SPART/SPARMV. - In addition, the system is in place for mobilizing any extra equipment, machinery, skilled personnel etc. from open market / private agencies in the quickest possible time.
6.	Develop a network of universities to work on disaster issues.	- Zonal Railways have established network of institutions, training centres such as ZRTI, MDTs, ETTC, STC etc. to cater for the training of Supervisors and staff in different disciplines in regard to train operations, maintenance of assets, disaster management efforts etc. - Further, centralized training institutions such as NAIR, IRIMEE, IRICEN, IRIEEN, IRISSET, IRITM etc. who have collaboration with reputed technical

		and Management institutions, Universities, research Organisations etc. cater to the training of the Railway officers in different streams in respect of train operations, maintenance of assets, disaster management etc. IRIDM (Indian Railway Institute of Disaster Management) has been set up recently at Bangalore which caters for training of Officers and Supervisors and staff exclusively in Disaster Management and relief efforts, has been established in Bangalore.
7.	Utilize the opportunities provided by social media and mobile technologies.	- Helpline numbers are provided at major stations for giving information on disaster to all concerned and public. Also these numbers are shared with electronic and print media for communicating to the people. - Various platforms of Social media i.e., Twitter / Facebook are being used to disseminate information to rail users and their relatives in case of any untoward incident. - To ensure better DM, VSAT and satellite phones are effectively utilized for real time onsite videography to provide required inputs even in those areas which are not approachable and inaccessible.
8.	Build on local capacity and initiative.	- Station wise DM phone numbers are exhibited in every station to take the help of local bodies for relief and rescue operations during train accidents. DM board is provided at all stations showing the information of local authorities like Dist. Collector, S.P., hospitals, Disaster Management Teams etc. Whenever it is needed, Railways seek assistance from the local authorities. - On hand practical training and skill development programmes are imparted periodically / regularly to the Supervisors and staff in different technical categories in handling of equipment, tools & plant, machinery etc, by senior railway staff / OEM officials is imparted. - Further, Mock drills in coordination with respective regional NDRF units, Fire department of the respective State Government are conducted at different stations / mid sections duly simulating disaster / accident scenario. This enables better co-ordination of Railways with other local agencies and facilitates better Disaster Management. - Electrical Safety Week, International Level Crossing Awareness Week etc. are organised involving railway staff, road users and all concerned stake holders.
9.	Ensure that The opportunity to learn from a Disaster is not wasted.	The mechanism is in place on Railways for detailed analysis of every disaster / accident so as to improve the response and disaster governance and also to improvise policy guidelines. Each Railway Disaster / Accident is analysed through inter-disciplinary committee of officials at appropriate level to arrive at the cause of the accident and recommendations to avoid recurrence of such incidents and also to bring

		out the system deficiencies if any and to make suggestions for further improvement and to enhance safety. • Serious accidents are analysed through enquiry by Commissioner of Railway Safety (an independent Authority under the Ministry of Civil Aviation), their recommendations are considered by Ministry of Railways for implementation. • All the accident enquiry reports are uploaded by zonal railway in SIMS (Safety Information Management System), so that the information is shared among the Officers and Supervisors of all Zonal Railways, which serves as a platform for learning so as to set right such shortcomings / deficiencies (that resulted in accidents), if any, in their respective work areas. • Apart from the above, the case studies of such disasters / accidents are also discussed as part of the Initial and Refresher courses in the training institutes at different levels. • Periodical safety bulletins at zonal and divisional level are published by safety wing of zonal Railways for circulation among the Railway staff. In addition, monthly fly leaves are issued by safety wing detailing the safety precautions to be observed, rules and regulations to be adhered to etc. in respect of the disasters / accidents that have occurred in the recent past. • Fortnightly / Monthly Safety Drives are ordered and undertaken by Railways on different aspects related to safe train operations, maintenance of assets so as to prevent accidents. The deficiencies noted in such safety drives are attended in time-bound manner as part of Disaster Risk Reduction.
10	Bring about greater cohesion in international response to disasters	• Indian Railways have played a vital role in providing logistic support, in terms of transport of requisite relief materials like food grains, clothes etc. in case of disasters / exigencies to neighbouring countries as per the guidelines of Govt. of India. • During the COVID 19 pandemic, Liquid Medical Oxygen (LMO) in containers by rail has been transported by running oxygen express trains across length and breadth of the country which served as lifesaving to many hospitalized patients due to COVID 19 pandemic. This LMO produced domestically and imported from other countries has been transported through these oxygen specials via. Green corridors to meet the oxygen demand during the peak surge of COVID-19.

CHAPTER – 21

STANDARD OPERATING PROCEDURE (SOP) TO DEAL WITH FIRE AT STATIONARY ESTABLISHMENTS

1. **CLASSIFICATION OF FIRES**- Fires may be classified as follows:

Class A: Fires involving solid combustible materials of organic nature such as wood, paper, rubber, plastics etc. where the cooling effect of water is essential.

Class B: Fires involving flammable liquids or liquefiable solids or the like where a blanketing effect is essential.

Class C: Fires involving flammable gases under pressure including liquefied gases, where it is necessary to inhibit the burning gas at fast rate with an inert gas, powder or vaporizing liquid for extinguishment

Class D: Fires involving combustible metals such as magnesium, aluminum, zinc, sodium, potassium, etc, when the burning metals are reactive to water containing agents and in certain cases carbon dioxide, halogenated hydrocarbons and ordinary dry powders. These fires required special media and techniques to extinguish.

The suitability of various types of fire extinguishers is mentioned under main clause 10 of IS-2190: 2010 and its important extract with respect to their suitability according to class of fire is reproduced below:-

- a) Class A fires : Water, foam, ABC dry powder and halocarbons.
- b) Class B fires : Foam, dry powder, clean agent and carbon dioxide extinguishers.
- c) Class C fires : Dry powder, clean agent and carbon dioxide extinguishers.
- d) Class D fires : Extinguishers with special dry powder for metal fires.

The clauses 10.2 to 10.11 of above IS further describe in detail their applicability with reference to different level of hazards or emergencies.

2. CLASSIFICATION OF HAZARDS:

i. LIGHT (LOW) HAZRD-LH

Light hazard occupancies are locations where the total amount of Class A combustible materials, including furnishings, decorations, and contents, is of minor quantity. This can include some buildings or rooms occupied as offices, classrooms, churches, assembly halls, guest room areas of hotels/motels, and so forth. This classification anticipates that the majority of content items are either non-combustible or so arranged that a fire is not likely to spread rapidly. Duplicating machines, art departments, offices, classrooms, place of worship, assembly halls, guest room areas etc and so forth, are included, where Class B flammable liquids are less than 4 litre and provided that they are kept in closed containers and safely stored.

ii. ORDINARY (MODERATE) HAZARD-MH

Ordinary hazard occupancies are locations where the total amount of Class A combustibles and Class B flammables are present in greater amounts that expected under light (low) hazard occupancies. These occupancies could consist of dining areas, mercantile shop and storage, light manufacturing operations, research labs, auto showrooms, packing garages workshops etc of light.

(low) hazard occupancies, and warehouses containing Class-I or Class-II commodities where Class B flammable liquids are 4 to 20 litre and provided that they are kept in closed containers and safely stored.

iii. EXTRA (HIGH) HAZARD-HH

Extra hazard occupancies are locations where the total amount of Class A combustibles and Class B flammables present, in storage, production, use, finished product, or combination thereof, is over and above those expected in occupancies classed as ordinary (moderate) hazard. These occupancies could consist of woodworking; vehicle repair; aircraft and boat servicing; cooking area; individual product display showrooms; product convention centre displays; and storage and manufacturing processes such as painting; dipping, and coating, including flammable liquid handling. Also included is warehousing of or in-process storage of other than Class I and Class II commodities. The flammable liquids may be more than 20 litre.

3. FIRE EXINGUSHERS TO BE DEPLOYED IN STATION AREAS (OTHER THAN PLATFORMS)

Type of Structure	Type of occupancy	Nature of occupancy	Class of fire	Recommended Scale of Equipment
Passenger terminal with accommodation more than 300 persons	D-3	MH	Class A	Two 9 litre water expelling extinguishers or ABC 5kg/6kg fire extinguisher, for every 200Sq.m. with minimum of 4 extinguishers per compartment/floor. Extinguishers should be so located as To be available within15m radius.
Passenger terminal with accommodation less than 300 persons	D-4	LH	Class A	One 9 litre water expelling extinguishers or ABC 5kg/6kg fire extinguisher, for every 200 Sq. m. or part thereof with minimum of 2 extinguishers per compartment or floor of the building. The extinguisher should be so located as to be available within15m radius.
Offices	E-1	SH	Class A	One 4.5 Kg capacity carbon dioxide or one 2/3kg capacity clean agent extinguisher for every 100Sq. m. of floor area or part thereof with minimum of two extinguishers so located as to be available within 10 m radius.
Parcel office and Goods shed	H	MH	Class B	Two 9 litre foam extinguisher, mechanical type, or 5/6kg dry powder extinguisher (or one of each type) for every 200 Sq. meter, are with minimum of four extinguisher per compartment. Extinguisher should be available within15m radius.

4. FIRE EXINGUSHERS TO BE DEPLOYED AT KITCHENS, CANTEENS & STALLS.**PANEL (ASM) ROOM (HAVING SIGNAL OPERATION)**

Type Structure of	Class & Type of occupancy	Nature of occupancy	Class of Fire	Recommended Scale of Equipment
Kitchens & Canteens	Group G	MH	Class B	Two 9 litre foam extinguisher, mechanical type, or 5/6 kg dry powder extinguisher (or one of each type) for every 200 Sq. m., are with minimum off our extinguisher per compartment. Extinguisher should be available within15m radius.
Stalls	Group F	MH	Class A	Two 9 litre water expelling extinguishers or ABC 5kg/6kg fire extinguisher, for every 200Sq. m. with minimum of 4 extinguishers per compartment/ floor. The extinguishers should be so located as to be available within15 m radius.
Panel (ASM) Room (having Signal Operation)	Group G	MH	B&C	One 6.5 kg carbon dioxide extinguisher or 5kg clean agent for 100Sq.m. of floor area or part thereof, with minimum of one extinguishers of the same type for every compartment; extinguisher Should be available within a radius of 15 m.

- i. Station manager/Master shall be responsible for provision of firefighting equipment at stations and buildings attached to stations with passenger interface & Panel (ASM) Room (having Signal Operation).
- ii. Fire safety at buildings and establishments other than those indicated above shall be the responsibility of the officer-in-charge of the building.
- iii. Station Manager / Station Master shall be responsible for provision, upkeep & maintenance of these firefighting equipment.
- iv. Level of hazard of the zone of station shall be decided by a committee of SS, SSE/P-Way & SSE/E letter referred above and shall be approved by AOM/DOM of the division.
- v. A framed plan showing the location of fire extinguishers, means of access and other useful information should be displayed at suitable places, but should be available preferably near to the entrance to the premises.
- vi. For outsourced establishments like stalls & kitchens, parcel activities etc, the contractor shall be responsible for provision, upkeep & maintenance of these firefighting equipment and necessary provisions shall be made in the contract agreement. However, the supervisor concerned shall bring the deficiencies in the notice of the contractor in writing.

5. **FIRE EXTINGUISHERS TO BE DEPLOYED IN SIGNALLING INSTALLATIONS**

Type Structure of	Class & Type of occupancy	Nature of occupancy	Class of Fire	Recommended Scale of Equipment
Big yards, RRs, Junction, Important stations etc	Group-G —	HH	Class B&C	6.5kg Carbon Dioxide (CO ₂) extinguisher, for every 100 Sq. m. of floor area or part thereof, subject to a minimum of two extinguishers of same type per room or compartment. Extinguishers should be available within a radius of 10m.
Wayside stations	Group-G	MH	Class B&C	6.5kg Carbon Dioxide (CO ₂) extinguisher, for every 100 Sq. meter. of floor area or part thereof, with minimum of one extinguisher of the same type for Every compartment. Extinguisher should be available within a radius of 15 m.
SSE/JE/ Maintainer's Room, Mini Store room etc	Group-G	MH	Class B&C	6.5kg Carbon Dioxide (CO ₂) extinguisher, for every 100 Sq. meter. of floor area or part thereof, with minimum of one extinguisher of the same type for every compartment. Extinguisher should be available within a radius of 15 m

6. FIRE EXTINGUISHERS TO BE DEPLOYED IN TELECOM INSTALLATIONS VIZ. OFC ROOM, TELEPHONE EXCHANGES, TELECOM POWER SUPPLY ROOM, BATTERY ROOM, PASSENGER AMENITY EQUIPMENT ROOM, NETWORK/RAILNET SERVER ROOM, TEST ROOM IN CONTROL OFFICE ETC.

Type Structure of	Class & Type of occupancy	Nature of occupancy	Class of Fire	Recommended Scale of Equipment
Zonal HQ, Divisional HQ & Important Stations	Group - G	HH	Class B&C	6.5kg Carbon Dioxide (CO ₂) extinguisher, for every 100 Sq. meter of floor area or part thereof, subject to a minimum of two extinguishers of same type per room or compartment. Extinguishers should be available within a radius of 10m.
Wayside stations	Group - G —	MH	Class B&C	6.5kg Carbon Dioxide (CO ₂) extinguisher, for every 100 Sq. meter of floor area or part thereof, with minimum of one extinguisher of the same type for every compartment. Extinguisher should be available within a radius of 5 m.
Mini Store room	Group- G	MH	Class B&C	6.5kg Carbon Dioxide (CO ₂) extinguisher, for every 100 Sq. meter of floor area or part thereof, with minimum of one extinguisher of the same type for every compartment. Extinguisher should be available within a radius of 15 m.

7. FIRE FIGHTING FACILITIES TO BE PROVIDED AT FUELLING INSTALLATIONS

Items	Major Installation	Medium Installation	Minor Installation
DCP fire extinguishers -70kg.	4 Nos. around storage tank	4 Nos. around storage tank	4 Nos. around pump room Generator Room
DCP fire extinguishers-10kg.	8 Nos. around pump Room Generator Room	8 Nos. around pump Room Generator Room	-
DCP fire extinguishers-5 kg.	1No.at each fuelling point	1No.at each fuelling point	1No.at each fuelling point
CO ₂ fire extinguishers-5 kg.	3 Nos. for tackling computer and electrical fire	2 Nos. for tackling computer and electrical fire	1 No. for tackling Computer and electrical fire
Sand Buckets	8 Nos.	8 Nos.	4 Nos.
Hand Operated Siren (dynamically balanced) With range of 1.5 Kms.	01	01	01

8. FIRE EXTINGUISHERS TO DEPLOYED FOR RAILWAY OFFICES

- i. Railway offices are located at Zonal Headquarters, Divisional Headquarters, Sub-divisional offices, Offices of SSEs etc.
- ii. Most of these offices deal with paper work in large scale and also have computer installation, electrical wiring, air conditioning, wooden furniture, wooden partitions and other similar fire prone materials. Hence, it is necessary to provide all firefighting arrangement as per the National Building Code.
- iii. The construction of Railway office buildings should be made as per provisions of National Building Code and an engineering design approach should be adopted for ensuring a fire safe design for the buildings.
- iv. Qualified and trained fire protection engineers may be associated with planning of buildings and also fire audits, so that adequate fire protection measures could be incorporated in the building design.
- v. Railway Board vide letter No.2012/Safety(DM)/6/12/2 dated 16.11.2015, advised the scale of fire extinguishers to be deployed for Railway offices based on the IS 2190 : 2010. Committee recommends to follow these norms for all offices, as given below.

Type of Structure	Type of occupancy	Nature of occupancy	Class of fire	Recommended Scale of Equipment
Offices	E-1	SH	Class A	One 4.5 Kg capacity carbon dioxide or one 2/3 kg capacity clean agent extinguisher for every 100 Sq. m. offloor area or part thereof with minimum of two extinguishers so located as to be available within 10m radius.

- vi. Engineering branch shall be responsible for provision, upkeep & maintenance of firefighting equipment at the office buildings.

9. FIRE EXTINGUISHERS TO BE PROVIDED AT WORKSHOPS AND SHEDS INCLUDING LOCO SHEDS

- i. These areas do not have public footfall or interface. Only adequately trained and conversant employees are allowed.
- ii. A sample illustration of requirement of fire extinguishers for Railway Workshops is given below for reference. (as in Lower Parel Work Shop)

DISASTER MANAGEMENT PLAN

Sr. No	Location	Area Sq. m	Shape of room	No. of fire extinguishers	Type & weight of fire extinguishers	Flammable items	Class of type		Recommendations of fire Extinguishers as per IS2190:2010	
							Class A	Class B	Class C	
1	Administrative Block	4897	Rectangular	19	ABC-6 Kg-05BC-5 Kg-14	Papers	LH			24 nos. ABC, 6Kg
2	PCO & Account	549	Rectangular	07	BC-5Kg-07	Papers	LH			03 nos. ABC, 6Kg
3	TO & Drawing Office	196	Rectangular	02	BC-5Kg-02	Papers	LH			02 nos. ABC, 6Kg
4	Canteen	645	Rectangular	06	ABC-6Kg-02 BC- 5Kg-04	Gas cylinder			MH	12 nos. ABC, 6Kg
5	Fiat shop	3515	Rectangular	10	BC-5Kg-10	Paper, Rubber material.	MH			18 nos. ABC, 6Kg
6	Bogie-I shop	4839	Rectangular	21	ABC-6 Kg-05BC-5Kg-16	Paper, Gas cylinder, Rubber material, Waste cotton.	MH			24 nos. ABC, 6Kg
7	Wheel shop	2811	Rectangular	14	BC-5Kg-14	Waste cotton, Paper, Machine oil.	MH			14 nos. ABC, 6Kg
8	Roller Bearing shop	3178.7	Rectangular	21	ABC-6 Kg-05BC-5Kg-16	Paper, Grease, Kerosene, Waste cotton.		MH		32 nos. ABC, 6Kg
9	Air Brake shop	1145	Rectangular	04	ABC-6 Kg-02BC-5Kg-02	Paper, gas cylinder, Rubber material, Kerosene.	MH			06 nos. ABC, 6Kg
10	Light Machine Shop	3087	Rectangular	05	BC-5Kg-05	Machines	LH			15 nos. ABC, 6Kg
11	Fitting-I shop	7059	Rectangular	5	ABC-6Kg-02 BC-5Kg-03	Paper, gas cylinder, Waste cotton.	MH			35 nos. ABC, 6Kg
12	Fitting-II shop		Rectangular	7	ABC-6 Kg-03BC-5Kg-04	Paper, wood, coal.	MH			
13	Trimming shop		Rectangular	5	ABC-6Kg-02 BC-5Kg-03	Paper, Foam, Rexene, Adhesive.	MH			
14	RAC shop	8233	Rectangular	19	ABC-6 Kg-10BC-5Kg-09	Paper, Gas cylinder, Rubber material, Waste cotton.	MH			41 nos. ABC, 6Kg
15	ACC shop		Rectangular	19	ABC-6 Kg-10BC-5Kg-09	Paper, gas cylinder, Sunmica, Rubber material.	MH			
16	CR-I shop & Shed	15708	Rectangular	26	ABC-6Kg-12 BC-5Kg-14	Paper, gas cylinder, Rubber material.	LH			79 nos. ABC, 6Kg
17	CR-II shop	6815	Rectangular	30	ABC-6Kg-05 BC-5Kg-25	Paper, gas cylinder, Rubber material.	LH			34nos. ABC, 6Kg,
18	CR-III shop		Rectangular	15	ABC-6Kg-08 BC-5Kg-07	Paper, gas cylinder, Rubber material.	LH			
19	CR-IV shop	976	Rectangular	09	ABC-6Kg-03 BC-5Kg-06	Paper, Rubber material.	LH			05nos. ABC, 6Kg,
20	Train lighting shop	1923	Rectangular	21	ABC-6 Kg-10BC-5Kg-11	Paper, Electrical Components, Rubber material.			LH	38nos. ABC, 6Kg,
21	Battery shop		Rectangular	04	BC-5Kg-04	Battery, Electrical Components.				
22	Power shop	635	Rectangular	05	ABC-6 Kg-03BC-5Kg-02	Paper, Electrical cables, Transformer oil.		MH		06 nos. ABC, 6Kg
23	Power Cubicle	1157	Rectangular	33	ABC-6Kg-15 BC-5Kg-18	Transformer, Electrical cables.			MH	24 nos. ABC, 6Kg

24	Mill Wright shop	745	Rectangular	05	BC-5Kg-05	Paper, Rubber material, Kerosene, Grease, Machine oil.		MH		08 nos. ABC, 6Kg
25	Auto Repair	530	Rectangular	05	ABC-6Kg-03 BC-5Kg-02	Platform Truck, Battery7Charger.			MH	10 nos. ABC, 6Kg
26	BTC	625	Rectangular	07	ABC-6Kg-04 BC-5Kg-03	Paper	LH			03 nos. ABC, 6Kg
27	Paint shop	8417	Rectangular	20	ABC-6Kg-10 BC-5Kg-10	Paint, Turpentine, Cotton waste.		MH		84nos. ABC, 6Kg
28	Electroplating Shop	469	Rectangular	05	BC-5Kg-05	Rubber Material, Paper.	LH			02nos. ABC, 6Kg
29	Paint Ward	621	Rectangular	07	ABC-6Kg-05	Paint, Plastic material, Kerosene.		MH		08nos. ABC, 6Kg
30	Oil Store	227.5	Rectangular		BC-5Kg-02					
31	Timber Ward	4405	Rectangular	07	ABC-6Kg-05 BC-5Kg-02	Plywood, Sun mica.	LH			22nos. ABC, 6Kg
32	ASRS &Store	1254	Rectangular	09	ABC-6Kg-04 BC-5Kg-05	Paper, Rubber item.	LH			06nos. ABC, 6Kg
33	Ward-25	864	Rectangular	03	BC-5Kg-03	Wooden pickings, Rubber material.	LH			04nos. ABC, 6Kg
34	Gas Godown		Rectangular	05	ABC-6Kg-02 BC-5Kg-03	Oxygen and Cutting gas			MH	

Though above recommended scale of fire extinguishers is as per IS 2190, however, for the sake of clarity it is prudent to refer to NFPA Chapter 6- Installation of Fire extinguishers that throws light and renders more clarity on size and placement of fire extinguishers for different class of fire and different level of hazards

10. **GENERAL INSTRUCTIONS**

- i. Fire extinguishers should be provided both for protecting building structure as well as occupancy hazard contained therein.
- ii. The number and size of fire extinguishers required shall be determined to minimize the hazards by the appropriate authority taking into consideration the severity of incipient fire anticipated behaviour characteristics of different materials and structure elements of buildings, rapidity Page 10 of 14 with which a fire may spread, intensity of heat that may be developed, accessibility to fire, type of extinguisher, the smoke contributed by the burning material, special features of building construction and nature of occupancy (single or mixed) and electrical fitting, equipment, etc, installed therein.
- iii. Adequate number of firefighting equipment should be available inside Relay room, Power equipment room, battery room and Operating Panel room or as per zonal railway instructions at such locations from where equipment is clearly visible and easily approachable from working place.
- iv. The required number of fire extinguishers may be determined by considering any single extinguisher of suitable type or a combination of two or more types.
- v. Always use the correct type of fire extinguisher.
- vi. The extinguishers should be placed in conspicuous positions and shall be readily accessible for immediate use in all parts of the occupancy. It should always be borne in mind while selecting locations that fire extinguisher are intended only for the use on

incipient fire and they will be of little value if the fire is not extinguished or brought under control, in the early stages.

- vii. Generally, fire extinguishers should be placed as near as possible to exits or stair lands without hindering the escape routes. Wherever possible, advantage should be taken of normal routes of escape by placing these in positions where these shall readily be seen by persons following the natural impulse to get out of danger.
- viii. The extinguishers should be available for immediate use at all times. Extinguishers should be sited in such a way that the user may not have to travel more than the distance specified, from the site of the fire to reach the extinguishers.
- ix. The extinguisher should be placed properly i.e. either in a trolley or mounted on wall firmly.
- x. The extinguisher should not be placed in a position where it is likely to gain heat from the surrounding equipment or process.
- xi. A framed plan showing the location of fire extinguishers, means of access and other useful information should be displayed at suitable places, but should be available near to the entrance to the premises preferably.
- xii. Where energized electrical equipment is involved in a fire, non-conductivity of the of the extinguishing media is of utmost importance, and only extinguishers expelling dry powder, carbon dioxide (without metal horn) or clean agent should be used. Once the electrical equipment is de-energized, extinguishers suitable for the class of the fire risk involved can be used safely.
- xiii. Concerned in charge Station Manager / Station Master / SSE (Works / Electrical / Signal / Telecom / Mechanical) shall inspect all these firefighting equipment every 3 months and record in a register in following format

Date of Inspection	Location	No. of equipment		Type of equipment		Due date of refilling / replacement	Shortfall if any	Sign
		Prescribed	Prescribed	Prescribed	Available			

- xiv. Officers, during their inspections shall check the availability & adequacy of the firefighting arrangements.
- xv. Fire Safety Audits shall be conducted every year by a committee nominated by Competent Authority.
- xvi. Fire Safety Drills shall be conducted every year by a committee nominated by Competent Authority.
- xvii. It is recommended that Fire Safety Audits shall be conducted once in every three years by Qualified and trained fire protection engineers.
- xviii. There are several provisions in the National Building Code & IS2190 related to construction of buildings and elaborate firefighting arrangements. Committee proposes that, along with the implementations of this report, these provisions should also be considered for implementation under guidance of Qualified and trained fire protection engineers.

11. MAINTENANCE CHECK LIST FOR FIRE EXTINGUISHERS (FOR ROUTINE CHECK AND QUARTERLY MAINTENANCE)

NOTE: - During inspection/maintenance of extinguisher the general safety precautions prescribed under **11.10* of IS 2190** should be complied with.

FIRE EXTINGUISHER, WATER TYPE GAS CARTRIDGE (see IS 940, IS 13385 and IS 15683)

- (a) Open the extinguisher, see the water level and throw away the water charge.
- (b) Examine the extinguisher body internally and externally for corrosion and damaged conditions with illuminating probe. Damaged and corroded extinguishers should be removed from service. Corroded gas cartridges should also be replaced.
- (c) Examine the gas cartridge for mass. If there is loss of more than 10 percent of original mass, the cartridge should be sent for re- charging after being replaced by a charged one. For re-charging, procedure given in **12.4** should be followed.
- (d) Examine nozzle, strainer, vent holes, internal discharge tube and sealing washer; replace them if not in good condition. Otherwise clean them thoroughly.
- (e) Check the operating mechanism for free movement and piercing mechanism if working properly.
- (f) Refill the fire extinguisher with clean water.

FIRE EXTINGUISHER, WATER STORED PRESSURE TYPE (see IS 6234 and IS 15683)

- (a) Examine and verify that the pressure gauge or any other pressure indicating device fitted in is indicating the internal pressure correctly, if the extinguisher shows a loss of pressure of more than 10 percent, refer to the manufacturer's instructions for appropriate action.
- (b) Examine the extinguisher body externally for corrosion or damage (see **11.10***).
- (c) Weigh the extinguisher (with or without the operating mechanism according to the manufacturer's alternate means to check that it contains the correct mass of liquid. Check the mass against the mass recorded when it was first put into service.
- (d) Examine the nozzle and hose and clean, if necessary.
- (e) Examine the hose for wear and replace, if not in good condition.
- (f) Where the extinguishers are designed to have the operation mechanism removed, check the operating mechanism and discharge control (where fitted) for free movement, clean, rectify or replace, if necessary.
- (g) Replace safety clip/wire seal or equivalent device as originally fitted.
- (h) Refill the fire extinguisher with clean water.

NOTE: - As this type of extinguisher is pressurized, it can be opened for inspection only after discharge of the extinguisher. It should be subjected to discharge/ performance test every two years.

FIRE EXTINGUISHER, FOAM TYPE MECHANICAL (see IS 10204, IS 13386 and IS 15683)

- (a) Open the extinguisher, check the liquid level. Pour liquid in separate clean receptacle to see if there is any sediment at the bottom of the cylinder. Reject the charge if there is sufficient sludge formation.
- (b) Examine the extinguisher externally and internally for any corrosion or damage. Damaged and corroded extinguisher should be removed from service. Corroded gas cartridge should also be replaced.
- (c) Examine the gas cartridge of mass. If there is loss of more than 10 percent of original mass, replace it with fully charged one.
- (d) Examine the foam generating nozzle, strainer, vent holes, internal discharge tube ceiling washer, etc. Replace them, if not in good condition. Otherwise clean them thoroughly.
- (e) Check the operating mechanism for free movement and piercing mechanism for proper working. Clean the hose assembly and check it for any dust/sediment at either shank ends.

FIRE EXTINGUISHER, FOAM TYPE MECHANICAL STORED PRESSURE (see IS 15397 and IS 15683)

Examine and verify that the pressure gauge or any other pressure indicating device fitted in is indicating the internal pressure correctly, if the extinguisher shows a loss of pressure of more than 10 percent, refer to the Manufacturer's instructions for appropriate action.

Open the extinguisher, check the liquid level. Pour liquid in separate clean receptacle to see if there is any sediment at the bottom of the cylinder. Reject the charge, if there is sufficient sludge formation.

- (a) Examine the extinguisher body externally for corrosion or damage (see 11.10*).
- (b) Examine the foam generating nozzle, strainer, vent holes, internal discharge tube ceiling washer, etc. Replace them, if not in good condition. Otherwise clean them thoroughly.
- (c) Weigh the extinguisher (with or without the operating mechanism according to the manufacturer's alternate means to check that it contains the correct mass of liquid. Check the mass against the mass recorded when it was first put into service.
- (d) Examine the nozzle and hose and clean, if necessary.
- (e) Examine the hose for wear and replace, if not in good condition.
- (f) Where the extinguishers are designed to have the operation mechanism removed, check the operating mechanism and discharge control (where fitted) for free movement, clean, rectify or replace, if necessary.
- (g) Replace safety clip/wire seal or equivalent device as originally fitted.
- (h) Refill the fire extinguisher with compound.

FIRE EXTINGUISHER, DRY POWDER TYPE GAS CARTRIDGE (see IS 2171, IS 10658, IS 11833 and IS 15683)

All dry powder extinguishers should be inspected and maintained in accordance with the following. The dry powder extinguisher should be opened in a dry room and for a minimum possible time to avoid effect to atmospheric moisture on powder.

- (a) Dry powder extinguisher, where discharge control is fitted on the nozzle, should be operated before opening the extinguisher to ensure that there is no pressure in the extinguisher.
- (b) Weigh the extinguisher to check the correct mass of powder filled in it which should be marked on the body of extinguisher and record book when it was first put into service.
- (c) Open the extinguisher and remove gas cartridge and see that sealing disc is intact. Weigh and compare its mass with full mass of cartridge marked on it. In case, loss of mass is more than 10 percent, it should be replaced by new cartridge.
- (d) Check the operating mechanism, discharge control for fire movement and closing. Examine nozzle, hose, vent holes, piercing mechanism of cap cartridge holder, grease and wipe clean.
- (e) Remove the inner shell (if any) and clean portholes.
- (f) Empty the dry powder in a dry container and examine for caking, lumps and foreign matter, in which case replace it with new dry powder charge.
- (g) Examine the extinguisher body internally for any damage or corrosion and replace corroded or damaged extinguisher.
- (h) Clean the extinguisher using dry air.
- (i) Return the original charge to the extinguisher and fit the cartridge and other fittings.
- (j) In case of higher capacity dry powder fire extinguisher as per IS 10658, remove the carbon dioxide cylinder and check the weight marked on the cylinder to ensure that the size conforms to that stipulated in the specification. On weighing, if the loss of mass is more than 10 percent it should be sent for recharging. Also examine the wheel carriage and discharge hose assembly with control nozzle for free flow and test it with dry air.
- (k) In case of dry powder extinguisher for metal fire as per IS 11833, in addition to (j) above, examine the applicator pipe and the discharge shower head for freedom from clogging and clean it with dry air. Sample of the dry powder for metal fire may be tested on a small fire of magnesium turning or chips to ensure that the powder is suitable for metallic fire risks.
- (l) The safety valves and pressure gauges fitted on higher capacity extinguishers should be calibrated once in 3 years and recorded in the register.

FIRE EXTINGUISHER, CARBON DIOXIDE TYPE (see IS 2878, IS 8149 and IS 15683)

- (a) Examine extinguisher body externally. Damaged or corroded extinguisher should be replaced.
- (b) Weigh the extinguisher, compare mass against the mass marked on it for fully, charged extinguisher. It should be sent for refilling if the loss is more than 10 percent of mass. Clean and polish externally.
- (c) Examine hose, horn and assembly and clean. In case of trolley mounted extinguisher, examine the wheel carriage for free movement.

FIRE EXTINGUISHER, CLEAN AGENT GAS TYPE (see IS 15683)

- (a) Examine extinguisher body externally. Damaged or corroded extinguisher should be replaced.
- (b) Check the pressure gauge to see that extinguisher is pressured correctly. Extinguisher showing loss in pressure should be sent to manufacturer for pressurization.
- (c) Weigh the extinguisher to check its contents of the extinguishing media and compare it with mass recorded on the cylinder. In case of loss of more than 10 percent, the extinguisher should be sent for recharging.

FIRE EXTINGUISHER, DRY POWDER TYPE STORED PRESSURE (see IS 849 and IS 15683)

All dry powder extinguishers should be inspected and maintained in accordance with the following. The dry powder extinguisher should be opened in a dry room and for a minimum possible time to avoid effect to atmospheric moisture on powder.

- (a) Examine and verify that the pressure gauge or any other pressure indicating device fitted in is indicating the internal pressure correctly, if the extinguisher shows a loss of pressure of more than 10 percent, refer to the manufacturer's instructions for appropriate action.
- (b) Examine extinguisher body externally. Damaged or corroded extinguisher should be replaced.

12. REFILLING SCHEDULE FOR FIRE EXTINGUISHERS AND SCHEDULE FOR OPERATIONAL TEST ON FIRE EXTINGUISHERS (ANNEX-'D' Clauses 11.4.1 and 12.3 of IS 2190:2010)

EXTINGUISHERS TO BE REFILLED/ OPERATED FOR PERFORMANCE TEST IN ANNUALLY CYCLIC MANNER

Once in Two Years

- (a) Portable fire extinguisher, water type stored pressure.
- (b) Portable fire extinguisher, mechanical foam type stored pressure.
- (c) 135 litre fire engine, foam type.

Once in Three Years

BC and ABC powder extinguisher confirming to IS 4308 and IS 14609 respectively.

Once in Five Years

- (a) Portable fire extinguisher, water type 9 litre (gas cartridge).
- (b) Portable fire extinguisher, mechanical foam type 9 litre (cartridge type).
- (c) Portable fire extinguisher, water type 50 litre (gas cartridge).
- (d) Portable fire extinguisher, mechanical foam type 50 litre (cartridge type).
- (e) Fire extinguisher, carbon dioxide type (portable and trolley mounted).
- (f) Higher capacity dry powder fire extinguisher (trolley mounted).
- (g) Dry powder fire extinguisher for metal fires.
- (h) Clean agent fire extinguishers.

NOTES:

- (i) In corrosive environments, it is desirable to have the discharge test carried out at half the frequency mentioned.
- (ii) As per the restriction on release of halon in atmosphere, it need not be necessary to refill/operate Halon 1211 type portable fire extinguisher with in any stipulated period. However, as regards the pressure of injections gas that is dry N2 should be checked up for the adequate pressure on the pressure gauge/ indicating gauge and the contents by weighing the fire extinguisher.

13. SCHEDULE FOR HYDRAULIC PRESSRE TESTING OF FIRE EXTINGUISHERS (ANNEX-‘E’)
(Clauses 12.2.1 and 12.2.2 (g) of IS 2190:2010)

Every extinguisher installed in premises shall be hydraulically pressure tested as per the schedule given below. There shall not be any leakage or visible distortion. Extinguisher which fails in this requirement shall be replaced.

The carbon dioxide type and clean agent type fire extinguishers shall be pressure tested every time when the cylinders are sent for recharging (after periodic discharge test or otherwise) to the pressure specified in the relevant Indian Standard specifications.

Sl. No.	Type of Extinguisher	Test Interval Year	Test Pressure Kg/cm ²	Pressure Maintained For min
i)	Water type (gas cartridge) (IS 940)	3	35	2.5
ii)	Water type (stored pressure) (IS 6234)	3	35	2.5
iii)	Water type (gas cartridge) IS 13385)	3	35	2.5
iv)	Mechanical foam type (gas pressure) (IS 10204)	3	35	2.5
v)	Mechanical foam type (gas pressure) (IS 15397)	3	35	2.5
vi)	Mechanical foam type (gas pressure) (IS 13386)	3	35	2.5
vii)	Mechanical foam type (gas pressure) 135 litre (IS 14951)	3	35	2.5
viii)	Dry powder (Stored pressure) IS 13849)	3	35	2.5
ix)	Carbon dioxide IS 2878	5	250	2.5
x)	Clean agent (IS 15683)	3	35	2.5
xi)	Dry powder (gas cartridge) (IS 2171, IS 10658 and IS 11833)	3	35	2.5
Note: <i>Extinguishers should be hydraulically tested with cap.</i>				

14. LIFE OF FIRE EXTINGUISHERS (ANNEX- 'F' Clause 12.2.1 of IS 2190:2010)

Sl. No.	Type of Extinguisher	Life Time, Year
i)	Water type	10
ii)	Foam type	10
iii)	Powder type	10
iv)	Carbon dioxide	15
v)	Clean agent	10
Notes: 1. Life of extinguishers shall be considered from date of manufacture of extinguishers. 2 In case of failure in hydraulic pressure testing, extinguisher shall be rejected immediately before the life time given above.		

CHAPTER – 22

COVID-19 PROTOCOLS AND GUIDELINES

SPECIAL GUIDELINES

1. In case the Road ART/MFD Van is to be sent, the number of staff sent should be kept to minimum with unskilled/skilled helping hands arranged from the location of accident (with prior decision before sending MFD), if feasible, to avoid crowding in the Road Truck.
2. For ART the complement of staff is stipulated but exception can be made by Sr. DME/DME to reduce the number depending on the nature and magnitude of accident/incident till the issue of Covid-19 is present
 - I. In A class ARTs additional GS/SLR/GSCN may be provided to ensure “SOCIAL DISTANCING”
 - II. Develop/procure the hands-free “SANITIZATION” arrangement in the ART/ARME, which can be used in depot/at site

GENERAL GUIDELINES

1. Download ‘Aarogya-Setu’
 - i. This App is an important step in fight against Covid-19. By leveraging the technology, it provides information of nearest Covid +ve person. As more and more people use it, its effectiveness will increase.
 - ii. Install the app in your smart phone as well as in your family members’ smartphone
 - iii. Switch on Bluetooth and location. Set location sharing to ‘Always’
 - iv. Update your status in ‘Aarogya-Setu’ Mobile App, whenever your condition changes
 - v. Take a dose of Homeopathic /Ayurveda Medicine prescribed by Ministry of Ayush for yourself and give it to your family members
2. If you are feeling fatigued for no reason, having breathing, report to your supervisor about health status over telephone and seeks medical advice
3. If you are in containment zone, inform your reporting official at the first opportunity.
4. Always wear “FACEMASK” once you step out of your home.
5. Wash hands frequently using soap and water or use alcohol-based hand sanitizer
6. Avoid touching things and surface unnecessarily. Be aware about habit of touching as we often do these unconsciously. Sanitize the surfaces you are required to compulsorily touch.
7. Don’t share the things like pen, mobile, water bottle, earphone and other objects and sanitize before use, if unavoidable.
8. Do regular exercise/Yoga or other health enhancing practices.
9. Avoid crowds and maintain social distancing.
10. Avoid spitting in public and use either a dustbin or wash basin if you have to.
11. Smoking/Chewing Tobacco is dangerous for you and others. Quit if you consume it or at least don’t do it in public places and offices.
12. Use the approved/acceptable/proven disinfectants etc. For sanitization

13. Reduce the use of cash and switch over to e-payments
14. Read the guidelines issued by Ministry of health and other ministries on this subject from time to time apart from being updated on the guide lines issued by Railway Board, HQ and the division.

BEFORE STARTING FROM HOME

- Start for work place only if you feel well.
- Before leaving home for office, please ensure that you wear facemask, and have soap & sanitizer with you. Please don't share these items with anyone else. Keep one or two extra face-masks with you.
- Keep a torch fully charged/with good and strong cells as you may be stuck up/leave at night
- Super visors to permit working from home depending on requirement
 - a. To personnel having morbidities causing severity in case of COVID-19.
 - b. Pregnant Women employees

TRAVEL FROM HOME TO WORKPLACE

1. Continue wearing mask. Avoid touching it. Do not put it down
2. Use your personal vehicle to commute between home and office, as far as possible
3. Using common transport, follow MHA guidelines, which presently are: One driver and two passengers in four-wheeler. Only driver in two-wheeler.
4. Avoid crowding the boarding door of the vehicle
5. Maintain social distancing of 6 feet (do Gaz ki doori) from fellow travellers or any human being by staggered seating etc.
6. Do not accept anything from other and share anything with fellow travellers. Not even water bottle, mobile, earphones, pens and cigarettes.
7. Avoid touching any surface unnecessarily (use hand gloves, if you have to). Sanitize the handle bar and handles if you have to hold on to it in the vehicle. Don't venture into crowded areas.

ON ARRIVAL AT ART/ARME/SPART

1. No handshakes.
2. Body temperature taken using remote thermometer at the entrance of ART/ARME/SPART. If temperature > 98.6°F/37°C, leave the workplace immediately and seek medical advice.
3. No staff will be allowed to enter into ART/ARME/SPART without facemask
4. Declare health status in prescribed format as requested.
5. Wash hands thoroughly with soap immediately after entering, without touching any surfaces unnecessarily. It is preferable to have a handsfree wash basin/sanitization arrangement installed.
6. Maintain social distancing of 6 feet from human beings at all times. No hugging/ touching/ patting the back of colleagues on meeting and during work.
7. Maintain queue wherever one has to wait or pass through narrow ware as like doors/corridor etc. To follow social distancing.
8. Staff shall continue to wear face-mask all the time at the ART/ARME/SPART.
9. Silence is Golden. Talk only when essential. Practice this for the duration you are out of home. And silence at home is equally helpful.

WHILE DEPARTING IN ART/ARME/SPART TRAINS TO SITE OF ACCIDENT

1. Disinfect the coach surfaces to be used/touched, before start/during run, using prescribed chemical solutions.
2. Sufficient quantity of hand wash so a pin bathroom & alcohol based sanitizer should be available at prominent locations
3. Maintain social distancing of 6 feet, while sitting in the coach. Avoid more than 2 occupants per seat as far as feasible.
4. Use your arm/elbow/foot, not your hand to open washroom's door.
5. Flush commode before and after use.
6. Don't spit or spoil the basin at drinking water place.
7. Don't share Glass bottle/utensils for drinking water. Disposable type cups should be made available.
8. Use the washroom, if you feel the urge to spit. Wash the wash basin after spitting.
9. Don't use used linen (bed sheet, blanket, pillows). Use only freshly washed & packed linen.

WHILE WORKING AT ACCIDENT SITE

1. Disinfect the equipment and work area a likely to be touched using prescribed chemical solutions and at regular interval thereafter, when using these; such as handles of equipment/tools, shutters, machine levers etc. Take care to clean the electrical switch board so that the liquid cleans the surface only and does not go inside.
2. Personal protective clothing like Helmets, Jackets, Welding Apron, and Welding Hand Gloves etc. Should be available for individuals and should not be shared between staff. For this it is advisable that these items have name/notation of individual marked on it. In case this leads to short fall, additional should be procured.
3. Provide isolated hooks (with mini social distance) for hanging dresses in change room/area.
4. Commonly used equipment like walkie-talkie, torch, bucket, etc. to be sanitized after use by each person - the person picking up for use shall sanitize it-that way he will be sure.
5. Staff to keep separate water bottles/flask for drinking water.
6. Each ART/ARME should have adequate stock of sanitizer, disinfectant liquid, face-masks & hand gloves for staff as well as passengers.
7. Operation theatre table, other medical equipment, stretcher etc. Of ARME should be sanitized frequently.
8. No lunch in groups and no sharing of food. Organize staggered lunch break.
9. Maintain social distance of at least 6 feet for all kind of activities including loading/unloading equipment/Jacks, packing material like wooden sleeper etc. Handling of heavy items is likely to cause infringement of social distances. Please take care to avoid physical contact and ensure the duration of infringement is as little as possible. The corollary to this is that such works should be, as far as possible, be done by younger staff and those not having morbidities.
10. Use trolley for transporting these materials from coach to site.
11. Staff should continue to wear face-mask all the time.
12. Maintain queue to have social distance wherever one has to wait for use of facilities like water cooler, locker, having food.
13. Do not touch the machines or any objects unnecessarily.
14. Wash hand at regular intervals.

15. After the work is over, wash the hands and exposed parts of the body with soap and water.
16. Observe the above precautions while going back to the HQ station and then to your home.

AFTER REACHING HOME

1. Leave your shoes/umbrella outside and do not touch any object/person/surface.
2. Dispose the mask in closed dustbin (if disposable) or put in your pocket and wash it while you take bath.
3. Try to go to the bathroom for a wash of exposed parts of your body or take bath (preferable).
4. Sanitize/wash with soap and water the keys, key ring, spectacles, pen etc. You use. Sanitize the items which can't be washed. Clean the currency notes collected on making purchases, if any, with soap and water (or hot iron them).
5. Drop your clothes for laundry or wash them as you take bath.
6. Preferably do not eat anything till you wash/take bath.
7. Follow guidelines issued by Ministry of health and other ministries on this subject from time to time apart from being updated on the guidelines issued by Railway. Board, HQ and the division.

HOW TO USE FACE-MASK

1. Before wearing a mask, wash your hands with an alcohol based (more than 60% alcohol content) sanitizer or with soap and water
2. Cover your mouth and nose with the mask and make sure the mask is firmly pressed against your face. Do not share face mask & hand loves with anyone, even with other family members.
3. Don't touch front portion of face-mask while wearing/taking out.
4. Take off mask by pulling straps and wash your hand immediately.
5. Replace the mask as soon as it gets wet.
6. Do not reuse disposable masks. Discard a disposable mask in closed dustbin and then wash your hands
7. Put reusable face-mask in boiling water or soap solution pot. After washing thoroughly, dry face-mask in sun or iron it for 05 minutes.
8. Keep at least two face- masks at home per person. Use one while another is in washing/drying.
9. While sneezing always cover mouth with hand kerchief or cough into the arm.

CHAPTER – 23

VULNERABILITY ATLAS

Hon'ble Prime Minister released the Third Edition of Vulnerability Atlas of India on the occasion of Global Housing Technology Challenge - India (GHTC-India), Construction Technology India 2019 Expo-cum-Conference on 2nd March, 2019 at New Delhi.

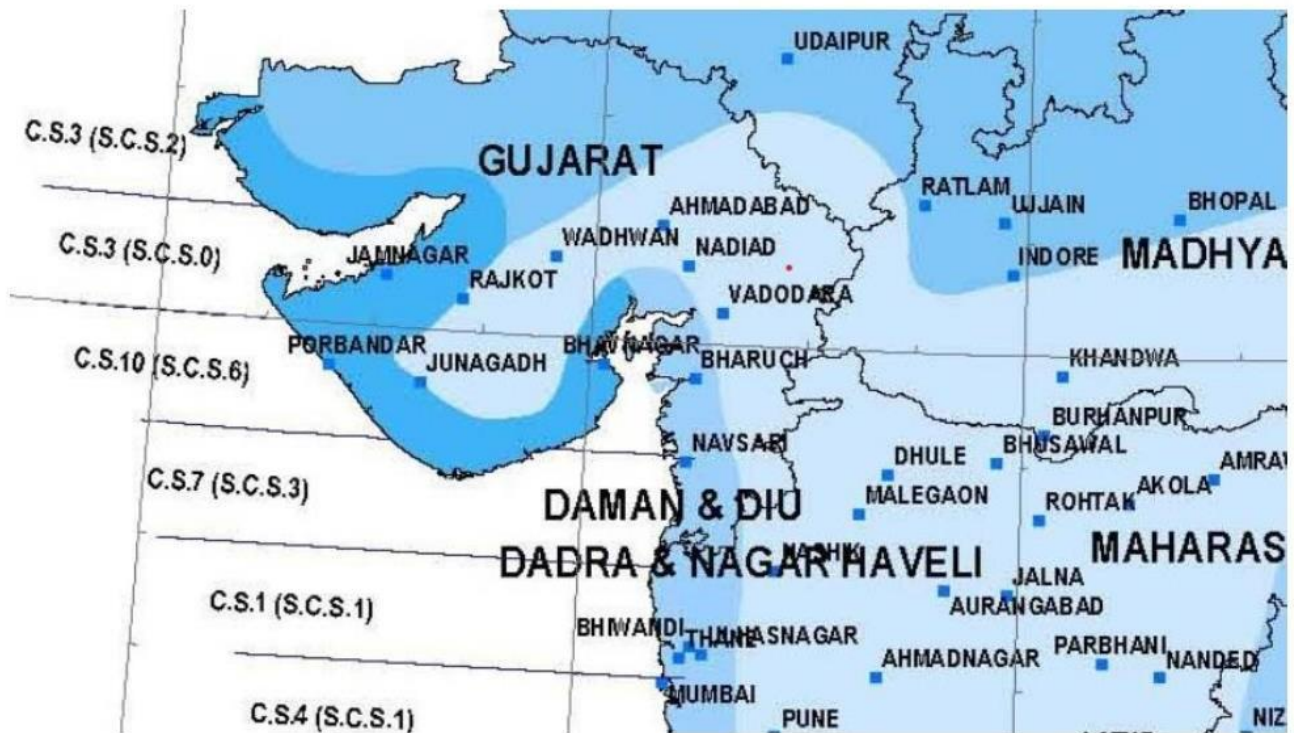
The third edition of Vulnerability Atlas of India, brought out by BMTPC, is collation of the existing hazard scenario for the entire country and presents the digitized State/UT-wise Hazard Maps with respect to Earthquakes, Winds & Floods for district-wise identification of vulnerable areas. This edition contains additional digitized maps for Thunderstorms, Cyclones and Landslides.

The Atlas also presents the district-wise Housing Vulnerability Risk Tables based on wall types and roof types as per 2011 Census Housing data. The Atlas is a useful tool not only for public but also for urban managers, State & National Authorities dealing with disaster mitigation and management.

The Atlas provides districts maps on Hazard events and vulnerability for all the calendar months and at annual scale. The Hazard maps are prepared based on the climatological data, census data on population and housing density and using different statistical and mathematical methods.

Hazardous / Vulnerable locations of WR are given in Annexure 4

Wind Hazard Map

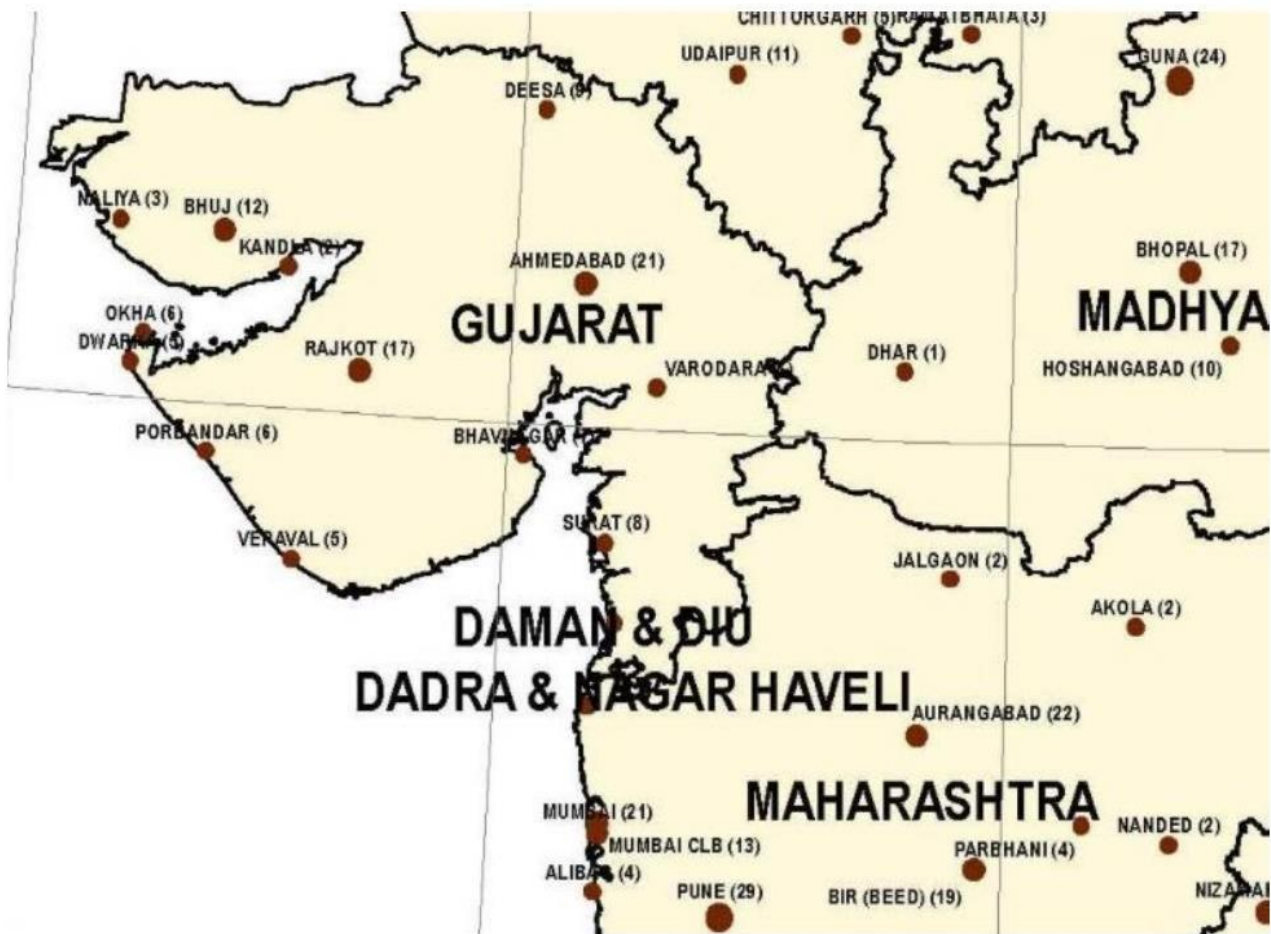


C.S. = Cyclonic Storm Crossing one degree Latitude.
(S.C.S.) = Severe Cyclonic Storm Crossing one degree Latitude

Note :

1. Number of C.S. (S.C.S.) between 21° N and 22° N as shown are upto 90° E, hence the number crossing Indian coast upto about 89° E will be less

Thunderstorm Incidence Map



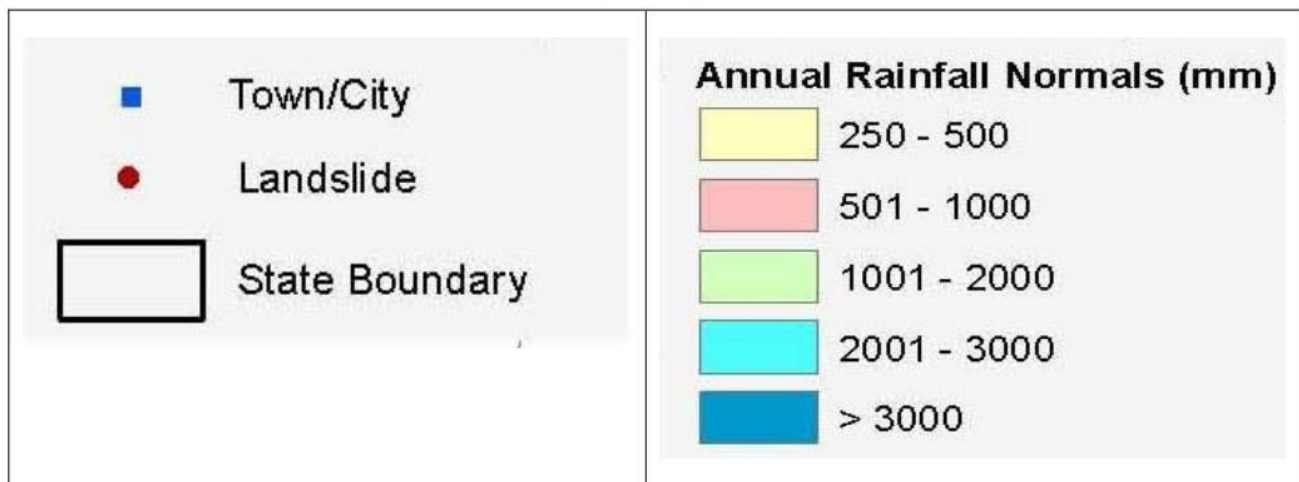
Thunderstorm at a Location

- 1-15 Nos.
- 16-30 Nos.
- 31-45 Nos.
- 46-60 Nos.
- 61-75 Nos.
- 76-89 Nos.

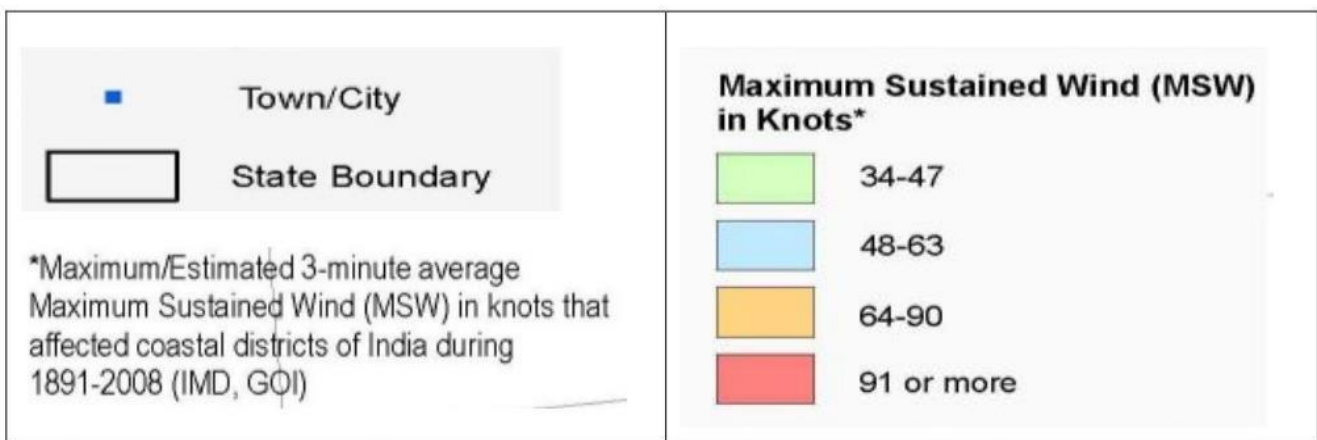
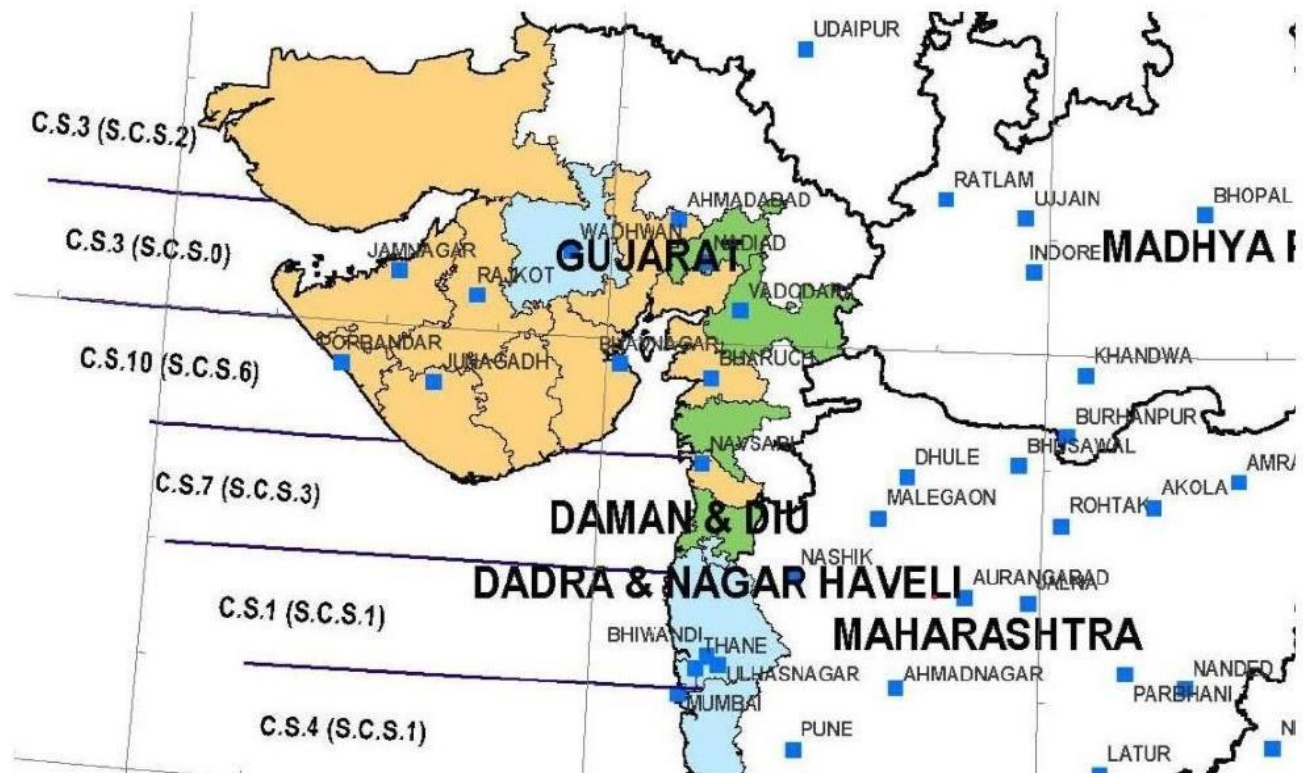


State Boundary

Landslide Incidence Map

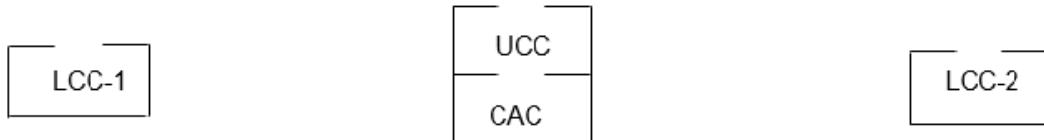
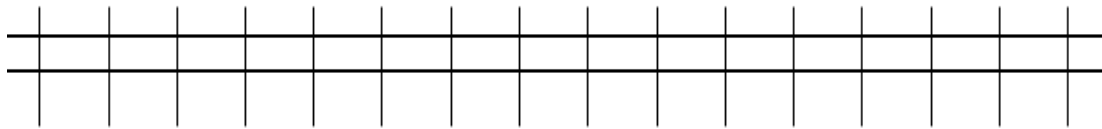


Cyclone Occurrence Map



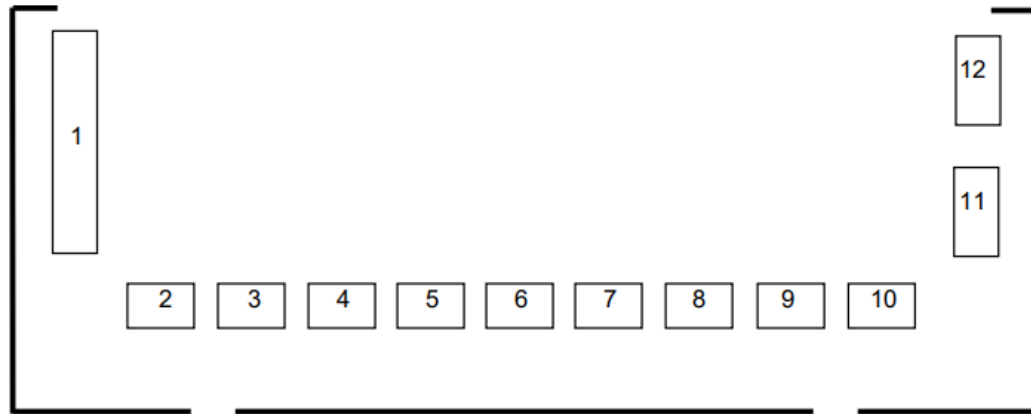
Annexure – 1

OUTLINE SCHEMATIC PLAN OF UCC/CAC/LCCs

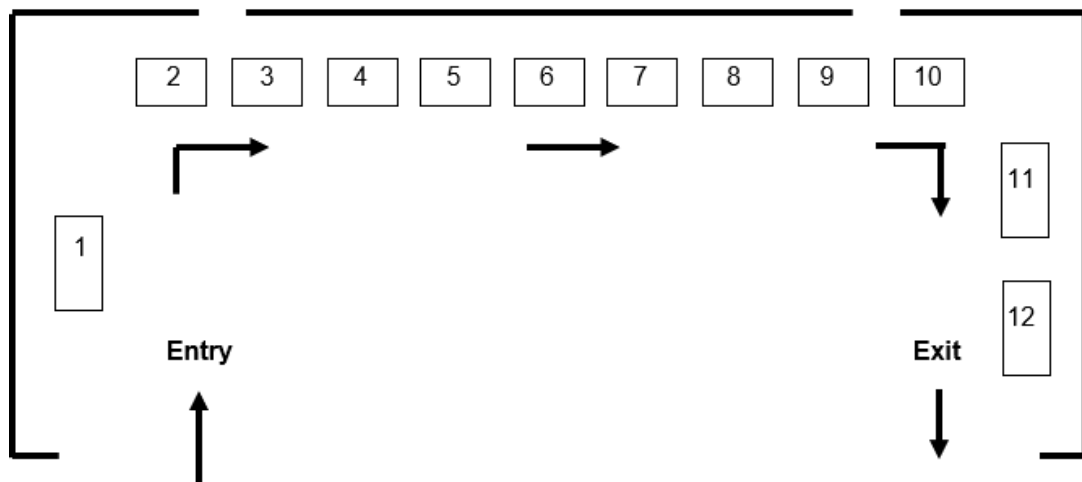


UCC	:	Unified Command Centre
CAC	:	Combined Assistance Centre
LCC-1	:	Local Command Centre-1
LCC-2	:	Local Command Centre-2

DETAIL SCHEMATIC PLAN OF UCC



1.	Medical	7.	OC Site and Officers
2.	Commercial	8.	Mechanical
3.	Operating	9.	Electrical
4.	Safety	10.	S & T
5.	Security	11.	Civil
6.	Public Relations	12.	Spare

DETAIL SCHEMATIC PLAN OF CAC

1. Commercial – Reservation Chart 2. Medical – List of dead and injured. 3. Commercial – Provision of escort and vehicle 4. Railway Doctor – Issue of Medical Death Certificate 5. Govt. Doctor – Issue of Post Mortem Report 6. CAC in-Charge and Officers	7. Municipality Official – Issue of Official Death Certificate. 8. RPF/Local Police – Issue of authority for handing over dead body 9. Commercial – Payment of Exgratia, Issue of Claims Forms. 10. Commercial – Assistance for performing Of last rites. 11. Personnel – Issue of Return Journey Pass 12. Operating–Arrangement for Return Journey

Hazardous / Vulnerability locations

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
1	BCT	Cutting location	NOL-JL	UP	KKRD	USD	74	729	74	732	Bridge	81UP	Bank	During Monsoon Heavy flow of storm water from TPH Yard
2	BCT	Cutting location	NOL-JL	DN	KKRD	USD	74	729	74	732	Bridge	81	Bank	During Monsoon Heavy flow of storm water from TPH Yard
3	BCT	Flooding/water logging	NOL-JL	UP	BGMR	GGAR	18	635	18	714	Bridge	17 UP	Bank	During Monsoon Heavy flow of storm water
4	BCT	Flooding/water logging	NOL-JL	DN	BGMR	GGAR	18	635	18	714	Bridge	17DN	Bank	During Monsoon Heavy flow of storm water
5	BCT	Flooding/water logging	NOL-JL	UP	TBV	MID	34	674	34	711	Bridge	31UP	Bank	During Monsoon Heavy flow of storm water
6	BCT	Flooding/water logging	NOL-JL	DN	TBV	MID	34	674	34	711	Bridge	31-DN	Bank	During Monsoon Heavy flow of storm water
7	BCT	Flooding/water logging	NOL-JL	UP	KKRD	USD	72	478	72	491	Bridge	76UP	Bank	During Monsoon Heavy flow of storm water
8	BCT	Flooding/water logging	NOL-JL	DN	KKRD	USD	72	478	72	491	Bridge	76DN	Bank	During Monsoon Heavy flow of storm water
9	BCT	Flooding/water logging	BIM-BHET	UP	NVS	MRL	240	617	240	747	Track	-	Bank	-
10	BCT	High Embankment	BIM-BHET	DN	BIM	AML	218	15	218	301	Bridge	368 DN	Bank	River area and low level
11	BCT	High Embankment	BIM-BHET	UP	BIM	AML	218	15	218	301	Bridge	368UP	Bank	River area and low level
12	BCT	High Embankment	BIM-BHET	DN	BIM	AML	219	80	219	133	Bridge	369 DN	Bank	River area and low level
13	BCT	High Embankment	BIM-BHET	UP	BIM	AML	219	80	219	133	Bridge	369 UP	Bank	River area and low level
14	BCT	High Embankment	BIM-BHET	DN	BIM	AML	219	332	219	373	Bridge	370DN	Bank	River area and low level
15	BCT	High Embankment	BIM-BHET	UP	BIM	AML	219	332	219	373	Bridge	370 UP	Bank	River area and low level
16	BCT	High Embankment	BIM-BHET	UP	BIM	AML	220	277	220	331	Bridge	372 UP	Bank	River area and low level
17	BCT	High Embankment	BIM-BHET	DN	BIM	AML	220	277	220	331	Bridge	372DN	Bank	River area and low level
18	BCT	High Embankment	BIM-BHET	UP	VDH	NVS	230	8	230	65	Bridge	387 UP	Bank	River area and low level
19	BCT	High Embankment	BIM-BHET	DN	VDH	NVS	230	8	230	65	Bridge	387 DN	Bank	River area and low level
20	BCT	High Embankment	BIM-BHET	UP	NVS	MRL	238	178	238	343	Bridge	400UP	Bank	River area and dam water release
21	BCT	High Embankment	BIM-BHET	DN	NVS	MRL	238	178	238	343	Bridge	400DN	Bank	River area and dam water release
22	BCT	High Embankment	BIM-BHET	UP	NVS	MRL	238	937	239	280	Bridge	401UP	Bank	River area and dam water release
23	BCT	High Embankment	BIM-BHET	DN	NVS	MRL	238	937	239	280	Bridge	401DN	Bank	River area and dam water release
24	BCT	High Embankment	BIM-BHET	DN	NVS	MRL	240	385	340	462	Bridge	405 DN	Bank	River area and low level
25	BCT	High Embankment	BIM-BHET	UP	NVS	MRL	240	385	340	462	Bridge	405 UP	Bank	River area and low level
26	BCT	High Embankment	BIM-BHET	DN	NVS	MRL	242	627	242	665	Bridge	411 DN	Bank	River area and low level
27	BCT	High Embankment	BIM-BHET	UP	NVS	MRL	242	627	242	665	Bridge	411 UP	Bank	River area and low level
28	BCT	High Embankment	BIM-BHET	DN	MRL	SCH	249	421	249	669	Bridge	417 DN	Bank	River area and low level
29	BCT	High Embankment	BIM-BHET	UP	MRL	SCH	249	421	249	669	Bridge	417 UP	Bank	River area and low level
30	BCT	High Embankment	BSR-BIM	UP	DGI	BIM	213	731	213	922	Bridge	358 UP	Bank	River area and dam water release
31	BCT	High Embankment	BSR-BIM	UP	DGI	BIM	213	731	213	922	Bridge	358 DN	Bank	River area and dam water release

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
32	BCT	High Embankment	BSR-BIM	UP	DGI	BIM	214	67	214	277	Bridge	359 UP	Bank	River area and dam water release
33	BCT	High Embankment	BSR-BIM	DN	DGI	BIM	214	67	214	277	Bridge	359 DN	Bank	River area and dam water release
34	BCT	Flooding/water logging	CCG-DDR	UP	CCG	MEL	0	774	1	258	Track	-	Yard	At the time of high tide and heavy rainfall/ 2023 Due to coastal road work
35	BCT	Flooding/water logging	CCG-DDR	DN	CCG	MEL	0	774	1	258	Track	-	Yard	At the time of high tide and heavy rainfall/ 2023 Due to coastal road work
36	BCT	Flooding/water logging	CCG-DDR	Slow Line UP	CCG	MEL	0	774	1	258	Track	-	Yard	At the time of high tide and heavy rainfall/ 2023 Due to coastal road work
37	BCT	Flooding/water logging	CCG-DDR	Slow Line DN	CCG	MEL	0	774	1	258	Track	-	Yard	At the time of high tide and heavy rainfall/ 2023 Due to coastal road work
38	BCT	Flooding/water logging	CCG-DDR	STA Line	CCG	MEL	0	774	1	258	Track	-	Yard	At the time of high tide and heavy rainfall/ 2023 Due to coastal road work
39	BCT	Flooding/water logging	CCG-DDR	UP	GTR	CYR	3	77	3	595	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
40	BCT	Flooding/water logging	CCG-DDR	DN	GTR	CYR	3	77	3	595	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
41	BCT	Flooding/water logging	CCG-DDR	Slow Line UP	GTR	CYR	3	77	3	595	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
42	BCT	Flooding/water logging	CCG-DDR	Slow Line DN	GTR	CYR	3	77	3	595	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
43	BCT	Flooding/water logging	CCG-DDR	STA Line	GTR	CYR	3	77	3	595	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
44	BCT	High Embankment	BSR-BIM	Slow Line UP	BSR	NSP	53	349	53	387	Bridge	78LI	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
45	BCT	High Embankment	BSR-BIM	Slow Line DN	BSR	NSP	53	349	53	387	Bridge	78LI	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
46	BCT	Flooding/water logging	CCG-DDR	Slow Line UP	MMCT	MX	5	629	5	969	Track	-	Yard	At the time of high tide and heavy rainfall/ 2022
47	BCT	Flooding/water logging	CCG-DDR	Slow Line DN	MMCT	MX	5	629	5	969	Track	-	Yard	At the time of high tide and heavy rainfall/ 2022
48	BCT	Flooding/water logging	CCG-DDR	Slow Line UP	PL	EPR	7	638	8	389	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2023
49	BCT	Flooding/water logging	CCG-DDR	Slow Line DN	PL	EPR	7	638	8	389	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2023
50	BCT	High Embankment	BSR-BIM	UP	BSR	NSP	53	349	53	387	Bridge	78Th	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
51	BCT	High Embankment	BSR-BIM	DN	BSR	NSP	53	349	53	387	Bridge	78Th	Bank	At the time of high tide and heavy rainfall / 2018 & 2019

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Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
52	BCT	High Embankment	BSR-BIM	Slow Line UP	BSR	NSP	56	660	56	663	Bridge	82	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
53	BCT	High Embankment	BSR-BIM	Slow Line DN	BSR	NSP	56	660	56	663	Bridge	82	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
54	BCT	High Embankment	BSR-BIM	UP	BSR	NSP	56	660	56	663	Bridge	82	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
55	BCT	High Embankment	BSR-BIM	DN	BSR	NSP	56	660	56	663	Bridge	82	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
56	BCT	High Embankment	BSR-BIM	Slow Line UP	BSR	NSP	58	600	58	604	Bridge	83	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
57	BCT	High Embankment	BSR-BIM	Slow Line DN	BSR	NSP	58	600	58	604	Bridge	83	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
58	BCT	High Embankment	BSR-BIM	UP	BSR	NSP	58	600	58	604	Bridge	83	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
59	BCT	High Embankment	BSR-BIM	DN	BSR	NSP	58	600	58	604	Bridge	83	Bank	At the time of high tide and heavy rainfall / 2018 & 2019
60	BCT	Flooding/water logging	DDR-MM	STA Line	DDR	MRU	10	380	11	32	Track	-	Yard	Storm water disposal is in dharavi nalla east site during high tide & heavy rain dharavi nala overflow & water level rise resultant above track submerged in water year-2024
61	BCT	Flooding/water logging	CCG-DDR	Slow Line DN	GTR	MMCT	4	290	4	300	Bridge	5DNLL	Bank	At the time of high tide and heavy rainfall/ 2019
62	BCT	Flooding/water logging	CCG-DDR	Slow Line UP	GTR	MMCT	4	283	4	296	Bridge	5UPLL	Bank	At the time of high tide and heavy rainfall/ 2019
63	BCT	Flooding/water logging	CCG-DDR	UP	GTR	MMCT	4	274	4	287	Bridge	5UPTH	Bank	At the time of high tide and heavy rainfall/ 2019
64	BCT	Flooding/water logging	CCG-DDR	DN	GTR	MMCT	4	280	4	293	Bridge	5DNTH	Bank	At the time of high tide and heavy rainfall/ 2019
65	BCT	Flooding/water logging	CCG-DDR	Slow Line DN	GTR	MMCT	4	399	4	406	Bridge	7DNLL	Bank	At the time of high tide and heavy rainfall/ 2019
66	BCT	Flooding/water logging	CCG-DDR	Slow Line UP	GTR	MMCT	4	392	4	399	Bridge	7UPLL	Bank	At the time of high tide and heavy rainfall/ 2019
67	BCT	Flooding/water logging	CCG-DDR	DN	GTR	MMCT	4	388	4	395	Bridge	7DNTH	Bank	At the time of high tide and heavy rainfall/ 2019
68	BCT	Flooding/water logging	CCG-DDR	UP	GTR	MMCT	4	386	4	391	Bridge	7UPTH	Bank	At the time of high tide and heavy rainfall/ 2019
69	BCT	Flooding/water logging	DDR-MM	UP	DDR	MRU	10	727	11	32	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
70	BCT	Flooding/water logging	DDR-MM	DN	DDR	MRU	10	727	11	32	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022

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Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
71	BCT	Flooding/water logging	DDR-MM	Slow Line UP	DDR	MRU	10	727	11	32	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
72	BCT	Flooding/water logging	DDR-MM	Slow Line DN	DDR	MRU	10	727	11	32	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
73	BCT	Flooding/water logging	DDR-MM	STA Line	DDR	MRU	10	727	11	32	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
74	BCT	Flooding/water logging	MM-ADH	Slow Line DN	MM	BA	14	127	14	185	Bridge	20DNLL	Bank	At the time of high tide and heavy rainfall/ 2019
75	BCT	Flooding/water logging	MM-ADH	Slow Line UP	MM	BA	14	125	14	183	Bridge	20UPLL	Bank	At the time of high tide and heavy rainfall/ 2019
76	BCT	Flooding/water logging	MM-ADH	DN	MM	BA	14	126	14	184	Bridge	20DNLT	Bank	At the time of high tide and heavy rainfall/ 2019
77	BCT	Flooding/water logging	MM-ADH	UP	MM	BA	14	123	14	181	Bridge	20UPTL	Bank	At the time of high tide and heavy rainfall/ 2019
78	BCT	Flooding/water logging	DDR-MM	UP	MRU	MM	10	727	12	0	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
79	BCT	Flooding/water logging	DDR-MM	DN	MRU	MM	10	727	12	0	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
80	BCT	Flooding/water logging	DDR-MM	Slow Line UP	MRU	MM	10	727	12	0	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
81	BCT	Flooding/water logging	DDR-MM	Slow Line DN	MRU	MM	10	727	12	0	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
82	BCT	Flooding/water logging	DDR-MM	STA Line	MRU	MM	10	727	12	0	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018-2022
83	BCT	Due to RAW/RAT	ADH-BSR	Slow Line DN	BVI	DIC	34	953	34	991	Bridge	66DNLL	Bank	At the time of high tide and heavy rainfall/ 2019
84	BCT	Due to RAW/RAT	ADH-BSR	Slow Line UP	BVI	DIC	34	953	34	991	Bridge	66UPLL	Bank	At the time of high tide and heavy rainfall/ 2019
85	BCT	Due to RAW/RAT	ADH-BSR	DN	BVI	DIC	34	953	34	991	Bridge	66DNTH	Bank	At the time of high tide and heavy rainfall/ 2019
86	BCT	Due to RAW/RAT	ADH-BSR	UP	BVI	DIC	34	953	34	991	Bridge	66UPTH	Bank	At the time of high tide and heavy rainfall/ 2019
87	BCT	Flooding/water logging	MM-ADH	UP	MM	BA	13	54	13	120	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
88	BCT	Flooding/water logging	MM-ADH	DN	MM	BA	13	54	13	120	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
89	BCT	Flooding/water logging	MM-ADH	Slow Line UP	MM	BA	13	54	13	120	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
90	BCT	Flooding/water logging	MM-ADH	Slow Line DN	MM	BA	13	54	13	120	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
91	BCT	Flooding/water logging	MM-ADH	STA Line	MM	BA	13	54	13	120	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021

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Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
92	BCT	Flooding/water logging	MM-ADH	UP	BA	KHAR	14	298	14	810	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
93	BCT	Flooding/water logging	MM-ADH	DN	BA	KHAR	14	298	14	810	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
94	BCT	Flooding/water logging	MM-ADH	Slow Line UP	BA	KHAR	14	298	14	810	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
95	BCT	Flooding/water logging	MM-ADH	Slow Line DN	BA	KHAR	14	298	14	810	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
96	BCT	Flooding/water logging	MM-ADH	STA Line	BA	KHAR	14	298	14	810	Track	-	Yard	At the time of high tide and heavy rainfall / 2018- 2021
97	BCT	Flooding/water logging	ADH-BSR	UP	GMN	MDD	29	6	29	469	Track	-	Yard	At the time of high tide and heavy rainfall. 2022
98	BCT	Flooding/water logging	ADH-BSR	DN	GMN	MDD	29	6	29	469	Track	-	Yard	At the time of high tide and heavy rainfall.2022
99	BCT	Flooding/water logging	ADH-BSR	Slow Line UP	GMN	MDD	29	6	29	469	Track	-	Yard	At the time of high tide and heavy rainfall. 2022
100	BCT	Flooding/water logging	ADH-BSR	Slow Line DN	GMN	MDD	29	6	29	469	Track	-	Yard	At the time of high tide and heavy rainfall. 2022
101	BCT	Flooding/water logging	ADH-BSR	STA Line	GMN	MDD	29	6	29	469	Track	-	Yard	At the time of high tide and heavy rainfall. 2022
102	BCT	Flooding/water logging	ADH-BSR	UP	KILE	BVI	32	393	32	730	Track	-	Yard	Water logging due to water coming of FCI area. 2021
103	BCT	Flooding/water logging	ADH-BSR	DN	KILE	BVI	32	393	32	730	Track	-	Yard	Water logging due to water coming of FCI area. 2021
104	BCT	Flooding/water logging	ADH-BSR	Slow Line UP	KILE	BVI	32	393	32	730	Track	-	Yard	Water logging due to water coming of FCI area. 2021
105	BCT	Flooding/water logging	ADH-BSR	Slow Line DN	KILE	BVI	32	393	32	730	Track	-	Yard	Water logging due to water coming of FCI area. 2021
106	BCT	Flooding/water logging	ADH-BSR	STA Line	KILE	BVI	32	393	32	730	Track	-	Yard	Water logging due to water coming of FCI area. 2021
107	BCT	Flooding/water logging	ADH-BSR	UP	BVI	DIC	33	712	34	283	Track	-	Yard	At the time of high tide and heavy rainfall . 2018-2023
108	BCT	Flooding/water logging	ADH-BSR	DN	BVI	DIC	33	712	34	283	Track	-	Yard	At the time of high tide and heavy rainfall. 2018-2023
109	BCT	Flooding/water logging	ADH-BSR	Slow Line UP	BVI	DIC	33	712	34	283	Track	-	Yard	At the time of high tide and heavy rainfall . 2018-2023
110	BCT	Flooding/water logging	ADH-BSR	Slow Line DN	BVI	DIC	33	712	34	283	Track	-	Yard	At the time of high tide and heavy rainfall . 2018-2023
111	BCT	Flooding/water logging	ADH-BSR	STA Line	BVI	DIC	33	712	34	283	Track	-	Yard	At the time of high tide and heavy rainfall . 2018-2023

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Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
112	BCT	Flooding/water logging	ADH-BSR	UP	ADH	JOS	22	800	23	284	Track	-	Yard	At the time of high tide and heavy rainfall. 2021
113	BCT	Flooding/water logging	ADH-BSR	DN	ADH	JOS	22	800	23	284	Track	-	Yard	At the time of high tide and heavy rainfall. 2021
114	BCT	Flooding/water logging	ADH-BSR	Slow Line UP	ADH	JOS	22	800	23	284	Track	-	Yard	At the time of high tide and heavy rainfall. 2021
115	BCT	Flooding/water logging	ADH-BSR	Slow Line DN	ADH	JOS	22	800	23	284	Track	-	Yard	At the time of high tide and heavy rainfall. 2021
116	BCT	Flooding/water logging	ADH-BSR	STA Line	ADH	JOS	22	800	23	284	Track	-	Yard	At the time of high tide and heavy rainfall. 2021
117	BCT	Flooding/water logging	BSR-BIM	UP	NSP	VR	55	248	56	167	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018, 2019
118	BCT	Flooding/water logging	BSR-BIM	DN	NSP	VR	55	248	56	167	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018, 2019
119	BCT	Flooding/water logging	BSR-BIM	Slow Line UP	NSP	VR	55	248	56	167	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018, 2019
120	BCT	Flooding/water logging	BSR-BIM	Slow Line DN	NSP	VR	55	248	56	167	Track	-	Yard	At the time of high tide and heavy rainfall/ 2018, 2019
121	BCT	Flooding/water logging	BSR-BIM	UP	VR	VTN	61	912	62	0	Track	-	Yard	At the time of heavy rainfall.2018, 2019
122	BCT	Flooding/water logging	BSR-BIM	DN	VR	VTN	61	912	62	0	Track	-	Yard	At the time of heavy rainfall.2018, 2019
123	BCT	Boulder falling location	NOL-JL	DN	BAWD	DWD	144	130	144	325	Track	-	Cutting	-
124	BCT	Boulder falling location	NOL-JL	DN	CUE	TISI	163	430	165	250	Track	-	Cutting	-
125	BCT	Others	NOL-JL	UP	CPD	KFF	114	63	114	131	Track	-	Bank	-
126	BCT	Others	NOL-JL	DN	CPD	KFF	114	63	114	131	Track	-	Bank	-
127	BCT	Flooding/water logging	NOL-JL	DN	KFF	CPD	111	430	111	500	Bridge	125	Bank	-
128	BCT	Flooding/water logging	NOL-JL	DN	BBAI	LKKD	86	180	86	420	Track	-	Cutting	-
129	BCT	Flooding/water logging	NOL-JL	DN	CHLK	PLD	284	109	284	231	Bridge	351DN	Bank	-
130	BCT	Flooding/water logging	NOL-JL	UP	PLD	CHLK	286	327	286	397	Bridge	353UP	Bank	-
131	BCT	Flooding/water logging	NOL-JL	UP	BAWD	KBH	136	10	136	800	Track	-	Cutting	-
132	BCT	Flooding/water logging	NOL-JL	UP	BBAI	NWU	94	49	94	115	Bridge	105UP	Bank	-
133	BCT	Flooding/water logging	NOL-JL	UP	KFF	CPD	111	30	111	75	Bridge	125UP	Bank	-
134	BCT	Flooding/water logging	NOL-JL	DN	KFF	CPD	111	30	111	75	Bridge	125	Bank	-
135	BCT	Flooding/water logging	NOL-JL	DN	CPD	KFF	112	606	112	799	Track	-	Cutting	-

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Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
136	BCT	Flooding/water logging	NOL-JL	UP	CPD	KHTG	117	480	117	590	Bridge	131up	Bank	-
137	BCT	Flooding/water logging	NOL-JL	DN	CPD	KHTG	117	480	117	590	Bridge	131	Bank	-
138	BCT	Flooding/water logging	NOL-JL	UP	CPD	KHTG	118	922	118	977	Bridge	134UP	Bank	-
139	BCT	Flooding/water logging	NOL-JL	DN	CPD	KHTG	118	922	118	977	Bridge	134	Bank	-
140	BCT	Flooding/water logging	NOL-JL	UP	CPD	KHTG	121	920	122	110	Bridge	141UP	Bank	-
141	BCT	Flooding/water logging	NOL-JL	DN	CPD	KHTG	121	920	122	110	Bridge	141	Bank	-
142	BCT	Flooding/water logging	NOL-JL	UP	CPD	KHTG	116	55	116	710	Track	-	Bank	-
143	BCT	Flooding/water logging	NOL-JL	DN	CPD	KHTG	116	55	116	710	Track	-	Bank	-
144	BCT	Flooding/water logging	NOL-JL	UP	RNL	DDE	184	930	185	200	Track	-	Cutting	-
145	BCT	Flooding/water logging	NOL-JL	DN	RNL	DDE	184	930	185	200	Track	-	Cutting	-
146	BCT	Flooding/water logging	NOL-JL	UP	VKH	SNSL	204	430	204	437	Track	-	Bank	-
147	BCT	Flooding/water logging	NOL-JL	DN	VKH	SNSL	204	430	204	437	Track	-	Bank	-
148	BCT	Flooding/water logging	NOL-JL	DN	SNSL	SNK	207	120	207	126	Track	-	Bank	-
149	BCT	Flooding/water logging	NOL-JL	UP	SNSL	SNK	207	120	207	126	Track	-	Bank	-
150	BCT	Others	NOL-JL	UP	NDB	CUE	160	660	160	700	Track	-	Bank	-
151	BCT	Others	NOL-JL	DN	NDB	CUE	160	660	160	700	Track	-	Bank	-
152	BCT	Others	NOL-JL	UP	LKKD	BBAI	81	49	81	112	Track	-	Bank	-
153	BCT	Others	NOL-JL	DN	LKKD	BBAI	81	49	81	112	Track	-	Bank	-
154	BCT	Others	NOL-JL	UP	BBAI	NWU	87	525	87	588	Track	-	Bank	-
155	BCT	Others	NOL-JL	DN	BBAI	NWU	87	525	87	588	Track	-	Bank	-
156	BCT	Others	NOL-JL	UP	KFF	CPD	113	421	113	488	Track	-	Bank	-
157	BCT	Others	NOL-JL	DN	KFF	CPD	113	421	113	488	Track	-	Bank	-
158	BCT	High Embankment	BSR-BIM	DN	PAD	ATUL	189	360	189	620	Bridge	314	Bank	wash out
159	BCT	High Embankment	BSR-BIM	DN	UVD	PAD	185	470	185	530	Bridge	306	Bank	wash out
160	BCT	High Embankment	BSR-BIM	DN	BLD	VAPI	169	580	169	640	Bridge	276 DN	Bank	wash out
161	BCT	High Embankment	BSR-BIM	DN	BLD	VAPI	168	427	168	716	Bridge	275DN	Bank	Flow water touch to girder
162	BCT	High Embankment	BSR-BIM	DN	UBR	SJN	148	174	148	307	Bridge	228 DN	Bank	Breaches
163	BCT	High Embankment	BSR-BIM	DN	UBR	SJN	147	690	147	810	Track	-	Bank	Rain cut in year 2018
164	BCT	High Embankment	BSR-BIM	UP	UBR	SJN	147	690	147	810	Track	-	Bank	Rain cut in year 2018
165	BCT	High Embankment	BSR-BIM	UP	SJN	BLD	151	750	151	870	Track	-	Bank	Breaches occurred during year 2018
166	BCT	High Embankment	BSR-BIM	DN	PAD	ATUL	189	360	189	600	Track	-	Bank	-
167	BCT	High Embankment	BSR-BIM	UP	BLD	VAPI	162	780	162	840	Bridge	263UP	Bank	-
168	BCT	High Embankment	BSR-BIM	DN	BLD	VAPI	163	120	163	180	Bridge	264DN	Bank	-
169	BCT	High Embankment	BSR-BIM	UP	BLD	VAPI	163	120	163	180	Bridge	264UP	Bank	-
170	BCT	High Embankment	BSR-BIM	DN	BLD	VAPI	168	420	168	720	Bridge	275DN	Bank	-
171	BCT	High Embankment	BSR-BIM	UP	BLD	VAPI	168	420	168	720	Bridge	275UP	Bank	-
172	BCT	High Embankment	BSR-BIM	DN	VAPI	UVD	177	540	177	780	Bridge	287DN	Bank	-

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
173	BCT	High Embankment	BSR-BIM	UP	VAPI	UVD	177	540	177	780	Bridge	287UP	Bank	-
174	BCT	High Embankment	BSR-BIM	DN	PAD	ATUL	188	679	188	923	Bridge	313DN	Bank	-
175	BCT	High Embankment	BSR-BIM	UP	PAD	ATUL	188	679	188	923	Bridge	313UP	Bank	-
176	BCT	High Embankment	BSR-BIM	DN	BL	DGI	200	300	200	660	Bridge	332DN	Bank	-
177	BCT	High Embankment	BSR-BIM	UP	BL	DGI	200	300	200	660	Bridge	332UP	Bank	-
178	BCT	High Embankment	BSR-BIM	DN	BL	DGI	202	120	202	180	Bridge	336DN	Bank	-
179	BCT	High Embankment	BSR-BIM	UP	BL	DGI	202	120	202	180	Bridge	336UP	Bank	-
180	BCT	Flooding/water logging	BSR-BIM	DN	VAPI	UVD	173	0	175	210	Track	-	Cutting	Flooding of track every year
181	BCT	Flooding/water logging	BSR-BIM	DN	BAGD	UVD	181	360	182	0	Track	-	Yard	Due to heavy rain
182	BCT	Flooding/water logging	BSR-BIM	UP	ATUL	BL	196	600	198	180	Track	-	Yard	-
183	BCT	Flooding/water logging	BSR-BIM	DN	ATUL	BL	196	600	198	180	Track	-	Yard	-
184	BCT	Flooding/water logging	BSR-BIM	DN	KLV	PLG	82	180	82	240	Bridge	115 DN	Bank	-
185	BCT	Flooding/water logging	BSR-BIM	UP	KLV	PLG	82	180	82	240	Bridge	115 UP	Bank	-
186	BCT	Weak formation on Br. Approaches	BSR-BIM	DN	VTN	SAH	69	2	69	16	Bridge	92 DN	Bank	-
187	BCT	Weak formation on Br. Approaches	BSR-BIM	DN	VTN	SAH	70	12	70	26	Bridge	93 DN	Bank	-
188	BCT	Flooding/water logging	BSR-BIM	UP	VAPI	UVD	173	0	175	210	Track	-	Cutting	Flooding of track every year
189	BCT	Flooding/water logging	BSR-BIM	UP	BAGD	UVD	181	360	182	0	Track	-	Yard	Due to heavy rain
190	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	269/10	-	269/42	-	Bridge	452	Bridge	Important Bridge
191	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	279/28	-	279/30	-	Bridge	471	Bridge	Major Bridge
192	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	292/28	-	292/32	-	Bridge	478	Bridge	Major Bridge
193	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	293/8-	-	293/10	-	Bridge	479	Bridge	Major Bridge
194	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	293/28	-	293/30	-	Bridge	480	Bridge	Major Bridge
195	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	323/34	-	325/10	-	Bridge	502	Bridge	Important Bridge
196	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	342/07	-	342/ 09	-	Bridge	520	Bridge	Major Bridge
197	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	376/30	-	377/32	-	Bridge	561	Bridge	Major Bridge
198	BRC	Flood	ST-BRC	-	ST-BRC	ST-BRC	384/6	-	384/7	-	Bridge	571	Bridge	Major Bridge
199	BRC		ST-BRC	-	ST-BRC	ST-BRC	393/22	-	393/23	-	Bridge	586	Bridge	Major Bridge
200	BRC	Flood	BRC-GDA	-	BRC-GDA	BRC-GDA	404/18	-	404/180	-	Bridge	10A DN	Bridge	Major Bridge
201	BRC	Embankment	BRC-GDA	-	BRC-GDA	BRC-GDA	440/14	-	440/14-22	-	Bridge	32-B	Embankment	Major Bridge
202	BRC	Embankment	BRC-GDA	-	BRC-GDA	BRC-GDA	459/38	-	459/38-42	-	Bridge	49-A	Embankment	Major Bridge

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
203	BRC	Embankment	BRC-GDA	-	BRC-GDA	BRC-GDA	464/16	-	464/16-20	-	Bridge	53-A	Embankment	Major Bridge
204	BRC	Cutting	BRC-GER	-	BRC-GER	BRC-GER	413/20	-	414/6	-	Bridge	624	Bridge	Important Bridge
205	BRC	Flood	BRC-GER	-	BRC-GER	BRC-GER	457/02	-	457/ 06	-	Bridge	681	Bridge	Major Bridge
206	BRC	Flood	BRC-GER	-	BRC-GER	BRC-GER	462/06	-	462/08	-	Bridge	686	Bridge	Major Bridge
207	BRC	Flood	BRC-GER	-	BRC-GER	BRC-GER	468/30	-	469/12	-	Bridge	695	Bridge	Important Bridge
208	BRC	Flood	BRC-GER	-	BRC-GER	BRC-GER	472/28	-	473/8	-	Bridge	699	Bridge	Major Bridge
209	BRC	-	DB-KDCY	-	DB-KDCY	DB-KDCY	22/4	-	22/10	-	Bridge	38	Bridge	Important Bridge
210	BRC	Embankment	DB-EKNR	-	DB-EKNR	DB-EKNR	29/4	-	30/2	-	Bridge	58	Embankment	Unstable bank and slope.
211	BRC	-	DB-KDCY	-	DB-KDCY	DB-KDCY	31/1	-	31/4	-	Bridge	61	Bridge	Important Bridge
212	BRC	-	DB-KDCY	-	DB-KDCY	DB-KDCY	38/8	-	38/11	-	Bridge	76	Bridge	Major Bridge
213	BRC	-	DB-KDCY	-	DB-KDCY	DB-KDCY	48/16	-	49/4	-	Bridge	113	Bridge	Major Bridge
214	BRC	Cutting	ST - BRC	-	ST - BRC	ST - BRC	293	-	294	-	-	-	Cutting	Every year Flooding during Heavy Rains
215	BRC	Flood	ST - BRC	-	ST - BRC	ST - BRC	298	-	297	-	-	-		
216	BRC	Flood	ST - BRC	-	ST - BRC	ST - BRC	306	-	307	-	-	-		
217	BRC	Flood	ST - BRC	-	ST - BRC	ST - BRC	325	-	327	-	-	-		
218	BRC	Cutting	ST - BRC	-	ST - BRC	ST - BRC	360	-	364	-	-	-	Cutting	Rain cut & side slope in 2013
219	BRC	Cutting	ST - BRC	-	ST - BRC	ST - BRC	371/10	-	372/16	-	-	-	Cutting	Rain cut side slope errosion in 2004
220	BRC	Cutting	ST-BRC	-	ST-BRC	ST-BRC	376/13	-	377/0	-	-	-	Cutting	
221	BRC	Cutting	ST-BRC	-	ST-BRC	ST-BRC	380/25	-	381/11	-	-	-	Cutting	
222	BRC	Cutting	ST-BRC	-	ST-BRC	ST-BRC	383/25	-	384/25	-	-	-	Cutting	
223	BRC	Cutting	ST-BRC	-	ST-BRC	ST-BRC	393/17	-	394/13	-	-	-	Cutting	
224	BRC	Cutting	BRC-GDA	-	BRC-GDA	BRC-GDA	401/29-31	-	401/15-17	-	-	-	Cutting	Rain cuts earth slips due to heavy flooding.
225	BRC	Flood	BRC-GDA	-	BRC-GDA	BRC-GDA	409/21-22	-	409/23-24	-	-	-	-	During Heavy rains flooding
226	BRC	Flood	BRC-GDA	-	BRC-GDA	BRC-GDA	410/29-33	-	410/31-34	-	-	-	-	year 2020 danger level crossed
227	BRC	Flood	BRC-GDA	-	BRC-GDA	BRC-GDA	421/27	-	422/01	-	-	-		During Heavy rains flooding of yards and water flowing over rail top occurs causing detention of trains.

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
228	BRC	Cutting	BRC-GDA	-	BRC-GDA	BRC-GDA	428	-	429	-	-	-	Cutting	-
229	BRC	Flood	BRC-GDA	-	BRC-GDA	BRC-GDA	433	-	434	-	-	-		During Heavy rains flooding of yards and water flowing over rail top occurs causing detention of trains
230	BRC	Cutting	BRC-GDA	-	BRC-GDA	BRC-GDA	440	-	442	-	-	-	Cutting	-
231	BRC	Flood	BRC-GDA	-	BRC-GDA	BRC-GDA	445/22	-	446/14	-	-	-	-	Flooding of track of DRL yard in heavy monsoon in year 2024
232	BRC	Flood	BRC-GDA	-	BRC-GDA	BRC-GDA	468	-	471	-	-	-	-	Flooding 2013, 2018 , 2019 & 2020 .
233	BRC	Flood	BRC-GER	-	BRC-GER	BRC-GER	402/20	-	403/10	-	-	-	-	During Heavy rains flooding of yards and water flowing over rail top occurs causing detention of trains.
234	BRC	Flood	BRC-GER	-	BRC-GER	BRC-GER	407/20	-	408/6	-	-	-	-	
235	BRC	Flood	BRC-GER	-	BRC-GER	BRC-GER	416/20	-	417/0	-	-	-	-	
236	BRC	Flood	ANND-GDA	-	ANND-GDA	ANND-GDA	29	-	30	-	-	-	-	Heavy Flooding during 2019.
237	BRC	Flood	ANND-GDA	-	ANND-GDA	ANND-GDA	51	-	52	-	-	-	-	Heavy Flooding during 2019.
238	BRC	Flood	ANND-GDA	-	ANND-GDA	ANND-GDA	40/01	-	40/2	-	-	-	-	Due To Canal Overflow During Monsoon, Br. No. 51A (Minor 2 Span)
239	BRC	Cutting	BH - Dahej	-	BH - Dahej	BH - Dahej	32/09	-	32/10	-	-	-	Cutting	Heavy Flooding during 2019.
240	BRC	Cutting	VS-CTD	-	VS-CTD	VS-CTD	18/2	-	22/2	-	-	-	Cutting	Rain cuts and bank settlement in 2012
241	BRC	-	VS-CTD	-	VS-CTD		78/11	-	79/2	-	-	130	-	Exposure of piles, SR of 20 enforce.
242	BRC	Flooding/water logging	GDA-RTM	DN	GDA	KIZ	470	518	470	518	Track	-	Yard	-
243	RTM	Others	OM-KNW	SL	PTP	KKD	521	190	521	325	Track	-	Cutting	Two pairs Keyman cum ghat choukidar one from PTP and one from KKD,in day only as there is no train in night
244	RTM	Others	OM-KNW	SL	PTP	KKD	521	520	521	650	Track	-	Cutting	Two pairs Keyman cum ghat choukidar one from PTP and one from KKD,in day only as there is no train
245	RTM	Others	OM-KNW	SL	PTP	KKD	522	900	522	1000	Track	-	Cutting	Two pairs Keyman cum ghat choukidar one from PTP and one from KKD,in day only as there is no train
246	RTM	Others	OM-KNW	SL	PTP	KKD	524	320	524	520	Track	-	Cutting	Two pairs Keyman cum ghat choukidar one from PTP and one from KKD,in day only as there is no train

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
247	RTM	High Embankment	OM-KNW	SL	PTP	KKD	522	640	522	850	Track	-	Bank	Two pairs Keyman cum ghat choukidar one from PTP and one from KKD,in day only as there is no train
248	RTM	High Embankment	OM-KNW	SL	PTP	KKD	523	60	523	260	Track	-	Bank	Two pairs Keyman cum ghat choukidar one from PTP and one from KKD,in day only as there is no train
249	RTM	High Embankment	OM-KNW	SL	PTP	KKD	523	970	524	320	Track	-	Bank	Two pairs Keyman cum ghat choukidar one from PTP and one from KKD,in day only as there is no train
250	RTM	Flooding/water logging	GDA-RTM	DN	CCL	SAT	488	420	488	602	Bridge	26DN	Bank	-
251	RTM	Flooding/water logging	GDA-RTM	UP	CCL	SAT	488	422	488	602	Bridge	26UP	Bank	-
252	RTM	High Embankment	GDA-RTM	DN	DHMA	BIO	545	329	545	410	Bridge	114DN	Bank	-
253	RTM	High Embankment	GDA-RTM	UP	DHMA	BIO	545	330	545	410	Bridge	114UP	Bank	-
254	RTM	High Embankment	GDA-RTM	DN	ANAS	MGN	565	35	565	283	Bridge	142DN	Bank	-
255	RTM	High Embankment	GDA-RTM	DN	ANAS	MGN	565	40	565	297	Bridge	142UP	Bank	-
256	RTM	High Embankment	GDA-RTM	DN	LMK	MAM	516	830	517	110	Track	-	Bank	-
257	RTM	High Embankment	GDA-RTM	DN	MAM	USRA	519	700	519	870	Track	-	Bank	-
258	RTM	Flooding/water logging	GDA-RTM	DN	USRA	JKT	524	360	525	300	Track	-	Cutting	-
259	RTM	Flooding/water logging	GDA-RTM	UP	USRA	JKT	524	360	525	300	Track	-	Cutting	-
260	RTM	Boulder falling location	GDA-RTM	DN	JKT	RET	532	230	532	590	Track	-	Cutting	-
261	RTM	Boulder falling location	GDA-RTM	UP	JKT	RET	532	230	532	590	Track	-	Cutting	-
262	RTM	Flooding/water logging	GDA-RTM	DN	RET	DHD	538	0	539	0	Track	-	Cutting	-
263	RTM	Flooding/water logging	GDA-RTM	UP	RET	DHD	538	0	539	0	Track	-	Cutting	-
264	RTM	Flooding/water logging	GDA-RTM	UP	BJG	RTI	616	370	616	694	Bridge	226 UP	Bank	-
265	RTM	Flooding/water logging	GDA-RTM	DN	BJG	RTI	616	382	616	707	Bridge	226 DN	Bank	-
266	RTM	Flooding/water logging	RTM-NAD	UP	BOD	RNH	667	779	667	900	Bridge	299 up	Bank	-
267	RTM	Flooding/water logging	RTM-NAD	DN	BOD	KUH	667	781	667	902	Bridge	299DN	Bank	-
268	RTM	Flooding/water logging	RTM-NAD	UP	BRNA	NAD	694	111	694	440	Bridge	317UP	Bank	-
269	RTM	Flooding/water logging	RTM-NAD	DN	BRNA	NAD	694	110	694	439	Bridge	317DN	Bank	-
270	RTM	Flooding/water logging	GDA-RTM	UP	AGR	PCN	600	40	601	1013	Track	-	Cutting	-
271	RTM	Cutting location	GDA-RTM	DN	AGR	PCN	600	39	601	1012	Track	-	Cutting	-
272	RTM	High Embankment	GDA-RTM	UP	AGR	PCN	597	529	597	613	Track	-	Bank	-
273	RTM	Cutting location	GDA-RTM	UP	BOG	RTI	621	60	622	257	Track	-	Cutting	-
274	RTM	Cutting location	GDA-RTM	DN	BOG	RTI	621	59	622	258	Track	-	Cutting	-
275	RTM	Cutting location	GDA-RTM	UP	BILD	MRN	637	32	639	413	Track	-	Cutting	-

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
276	RTM	Cutting location	GDA-RTM	DN	BILD	MRN	637	33	639	415	Track	-	Cutting	-
277	RTM	Cutting location	GDA-RTM	UP	MRN	RTM	651	0	657	960	Track	-	Cutting	-
278	RTM	Cutting location	GDA-RTM	DN	MRN	RTM	651	5	657	960	Track	-	Cutting	-
279	RTM	Due to RAW/RAT	NAD-UJN	UP	ASL	NKI	37	403	37	534	Bridge	23 UP	Bank	-
280	RTM	High Embankment	MKC-BPL	UP	KSH	BLX	128	235	128	453	Bridge	94 UP	Bank	-
281	RTM	High Embankment	MKC-BPL	DN	KSH	BLX	128	235	128	435	Bridge	94 DN	Bank	-
282	RTM	High Embankment	MKC-BPL	UP	AKD	SJP	154	853	154	1020	Bridge	120 UP	Bank	-
283	RTM	High Embankment	MKC-BPL	DN	AKD	SJP	154	853	154	1020	Bridge	120DN	Bank	-
284	RTM	High Embankment	MKC-BPL	UP	PRB	BKTL	186	318	186	507	Bridge	145UP	Bank	-
285	RTM	High Embankment	MKC-BPL	DN	PRB	BKTL	186	318	186	507	Bridge	145DN	Bank	-
286	RTM	Due to RAW/RAT	NAD-UJN	UP	NKI	UJN	52	158	52	447	Bridge	29UP	Bank	-
287	RTM	Due to RAW/RAT	UJN-MKC	UP	TJP	TAN	81	910	81	1051	Bridge	51UP	Bank	-
288	RTM	Due to RAW/RAT	UJN-MKC	UP	TJP	TAN	84	667	84	829	Bridge	53UP	Bank	-
289	RTM	Due to RAW/RAT	DWX-INDB	UP	BNJN	BLAX	50	370	50	520	Bridge	72UP	Bank	-
290	RTM	Due to RAW/RAT	NAD-UJN	DN	ASL	NKI	37	385	37	541	Bridge	23DN	Bank	-
291	RTM	Due to RAW/RAT	NAD-UJN	DN	NKI	UJN	52	158	52	447	Bridge	29DN	Bank	-
292	RTM	Due to RAW/RAT	UJN-MKC	DN	TJP	TAN	81	935	81	1051	Bridge	51DN	Bank	-
293	RTM	Due to RAW/RAT	UJN-MKC	DN	TJP	TAN	84	660	84	820	Bridge	53DN	Bank	-
294	RTM	Due to RAW/RAT	DWX-INDB	DN	BNJN	BLAX	50	288	50	500	Bridge	72DN	Bank	-
295	ADI	Flooding/water logging	ND-ADI	UP	ADI	GER	483	701	483	800	Bridge	711UP	Bank	5X18.30 Metre steel Girder
296	ADI	Flooding/water logging	ND-ADI	DN	ADI	GER	483	640	483	739	Bridge	711DN	Bank	5X18.30 Metre steel Girder
297	ADI	Flooding/water logging	ADI-CLDY	UP	ADI	CLDY	499	669	500	89	Bridge	733LN1	Bank	20X18.30+1X21.30+1X16.80 steel Girder
298	ADI	Flooding/water logging	ADI-CLDY	DN	ADI	CLDY	499	669	500	90	Bridge	733LN2	Bank	20X18.30+1X21.30+1X16.80 steel Girder
299	ADI	Flooding/water logging	KHD-ADI-BG	Illrd Line	ADI	SBI	781	310	781	730	Bridge	733LN3	Bank	20X18.30+1X21.30+1X16.80 steel Girder
300	ADI	Flooding/water logging	HMT-ADI	SL	NRD	DBO	396	273	396	394	Bridge	10 A	Bank	6*18.30 PSC SLAB
301	ADI	Flooding/water logging	HMT-ADI	SL	DBO	NHM	387	654	387	746	Bridge	15	Bank	5*18.30 COMPOSIT GIRDER
302	ADI	Flooding/water logging	HMT-ADI	SL	PRJ	TOD	351	228	351	320	Bridge	55	Bank	5*18.30 COMPOSIT GIRDER
303	ADI	Flooding/water logging	ND-ADI	UP	ADI	GER	488	0	488	350	Track	-	Bank	-
304	ADI	Flooding/water logging	ND-ADI	DN	ADI	GER	488	0	488	350	Track	-	Bank	-
305	ADI	Flooding/water logging	ND-ADI	UP	ADI	GER	490	200	490	300	Track	-	Cutting	-
306	ADI	Flooding/water logging	ND-ADI	DN	ADI	GER	490	200	490	300	Track	-	Cutting	-
307	ADI	High Embankment	ND-ADI	UP	ADI	GER	483	600	483	700	Track	-	Bank	-
308	ADI	High Embankment	ND-ADI	DN	ADI	GER	483	600	483	700	Track	-	Bank	-
309	ADI	High Embankment	HMT-ADI	SL	NRD	DBO	396	100	396	600	Track	-	Bank	BANK(APP OF BRI-10A)
310	ADI	High Embankment	HMT-ADI	SL	DBO	NHM	387	700	387	800	Track	-	Bank	BANK(APP OF BRI-15)
311	ADI	High Embankment	HMT-ADI	SL	PRJ	TOD	351	200	351	300	Track	-	Bank	BANK(APP OF BRI-55)
312	ADI	Others	MSH-PTN-BLDI	SL	WAAD	SIHI	70	107	70	576	Bridge	100	Bank	Major Bridge
313	ADI	High Embankment	MSH-PTN-BLDI	SL	RUJ	PTN	33	800	34	0	Track	-	Bank	-
314	ADI	High Embankment	MSH-PTN-BLDI	SL	SIHI	BLDI	80	0	82	0	Track	-	Bank	-
315	ADI	High Embankment	MSH-PTN-BLDI	SL	SIHI	BLDI	85	0	87	0	Track	-	Bank	-

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
316	ADI	High Embankment	MSH-TRAH	SL	VDG	KRU	42	0	43	0	Bridge	47	Bank	Major Bridge
317	ADI	High Embankment	PNU-MSH	UP	UM	CHP	661	900	662	300	Bridge	883UP	Bank	Important Br.App
318	ADI	High Embankment	PNU-MSH	DN	UM	CHP	661	900	662	300	Bridge	883UP	Bank	Important Br.App
319	ADI	Flooding/water logging	JN-DHG	UP	BAJN	SADL	584	601	584	694	Bridge	26 UP	Bank	Steel Girder
320	ADI	Flooding/water logging	JN-DHG	DN	BAJN	SADL	584	601	584	694	Bridge	26 DN	Bank	Steel Girder
321	ADI	Flooding/water logging	JN-DHG	UP	BAJN	SADL	588	457	588	569	Bridge	32 UP	Bank	Steel Girder
322	ADI	Flooding/water logging	JN-DHG	DN	BAJN	SADL	588	457	588	569	Bridge	32 DN	Bank	Steel Girder
323	ADI	Flooding/water logging	JN-DHG	UP	BAJN	JTX	595	23	595	79	Bridge	42 UP	Bank	Steel Girder
324	ADI	Flooding/water logging	JN-DHG	DN	BAJN	JTX	595	23	595	79	Bridge	42 DN	Bank	Steel Girder
325	ADI	Flooding/water logging	DHG-MALB	UP	MALB	SRBR	702	87	702	222	Bridge	152	Bank	-
326	ADI	Flooding/water logging	DHG-MALB	DN	MALB	SRBR	702	87	702	222	Bridge	152	Bank	-
327	ADI	Flooding/water logging	MALB-SIOB	UP	MALB	SIOB	705	251	705	290	Bridge	157	Bank	-
328	ADI	Flooding/water logging	MALB-SIOB	DN	MALB	SIOB	705	251	705	290	Bridge	157	Bank	-
329	ADI	Flooding/water logging	MALB-SIOB	UP	MALB	SIOB	706	157	706	195	Bridge	159	Bank	-
330	ADI	Flooding/water logging	MALB-SIOB	DN	MALB	SIOB	706	157	706	195	Bridge	159	Bank	-
331	ADI	Flooding/water logging	MALB-SIOB	UP	MALB	SIOB	715	262	716	489	Bridge	161UP	Bank	Important Br.
332	ADI	Flooding/water logging	MALB-SIOB	DN	MALB	SIOB	715	262	716	489	Bridge	161DN	Bank	Important Br.
333	ADI	High Embankment	JN-DHG	UP	BAJN	SADL	588	200	588	700	Track	-	Bank	During heavy Rain lookout man is deputed at locations
334	ADI	High Embankment	JN-DHG	DN	BAJN	SADL	588	200	588	700	Track	-	Bank	During heavy Rain lookout man is deputed at locations
335	ADI	High Embankment	JN-DHG	UP	BAJN	JTX	594	800	595	600	Track	-	Bank	During heavy Rain lookout man is deputed at locations
336	ADI	High Embankment	JN-DHG	DN	BAJN	JTX	594	800	595	600	Track	-	Bank	During heavy Rain lookout man is deputed at locations
337	ADI	High Embankment	JN-DHG	UP	JTX	VSV	606	300	606	900	Track	-	Bank	During heavy Rain lookout man is deputed at locations
338	ADI	High Embankment	JN-DHG	DN	JTX	VSV	606	300	606	900	Track	-	Bank	During heavy Rain lookout man is deputed at locations
339	ADI	High Embankment	JN-DHG	UP	JTX	VSV	609	0	609	600	Track	-	Bank	During heavy Rain lookout man is deputed at locations
340	ADI	High Embankment	JN-DHG	DN	JTX	VSV	609	0	609	600	Track	-	Bank	During heavy Rain lookout man is deputed at locations
341	ADI	Flooding/water logging	JN-KOD	SL	JN	KOD	592	100	593	400	Track	-	Bank	During heavy rain water passes over track
342	ADI	Cutting location	JN-DHG	UP	VSV	DHG	616	0	616	100	Track	-	Bank	Rain cut and water over flow on track during heavy rain.
343	ADI	Cutting location	JN-DHG	DN	VSV	DHG	616	0	616	100	Track	-	Bank	Rain cut and water over flow on track during heavy rain.

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
344	ADI	Cutting location	JN-DHG	UP	VSV	DHG	623	800	625	200	Track	-	Bank	Rain cut and water over flow on track during heavy rain.
345	ADI	Cutting location	JN-DHG	DN	VSV	DHG	623	800	625	200	Track	-	Bank	Rain cut and water over flow on track during heavy rain.
346	ADI	Due to RAW/RAT	DHG-MALB	UP	DHG	CUL	631	200	631	300	Track	-	Bank	When 'Soladi' Dam water released rain cut and water over flow on track.
347	ADI	Due to RAW/RAT	DHG-MALB	DN	DHG	CUL	631	200	631	300	Track	-	Bank	When 'Soladi' Dam water released rain cut and water over flow on track.
348	ADI	Due to RAW/RAT	DHG-MALB	UP	DHG	CUL	636	400	636	700	Track	-	Bank	When 'Soladi' Dam water released rain cut and water over flow on track.
349	ADI	Due to RAW/RAT	DHG-MALB	DN	DHG	CUL	636	400	636	700	Track	-	Bank	When 'Soladi' Dam water released rain cut and water over flow on track.
350	ADI	Due to RAW/RAT	DHG-MALB	UP	CUL	SUK	642	300	642	600	Track	-	Bank	When 'Soladi' Dam water released rain cut and water over flow on track.
351	ADI	Due to RAW/RAT	DHG-MALB	DN	CUL	SUK	642	300	642	600	Track	-	Bank	When 'Soladi' Dam water released rain cut and water over flow on track.
352	ADI	Due to RAW/RAT	DHG-MALB	UP	KHXB	WDHR	692	0	693	900	Track	-	Bank	Water overflow on Track when MACHHU DAM water realeased.
353	ADI	Due to RAW/RAT	DHG-MALB	DN	KHXB	WDHR	692	0	693	900	Track	-	Bank	Water overflow on Track when MACHHU DAM water realeased.
354	ADI	High Embankment	DHG-MALB	UP	WDHR	MALB	695	200	695	300	Track	-	Bank	Heavy Raincut During Monsoon 2015
355	ADI	High Embankment	DHG-MALB	DN	WDHR	MALB	695	200	695	300	Track	-	Bank	Heavy Raincut During Monsoon 2015
356	ADI	Due to RAW/RAT	DHG-MALB	UP	WDHR	MALB	699	0	700	0	Track	-	Bank	Water overflow on Track when MACHHU DAM water realeased.
357	ADI	Due to RAW/RAT	DHG-MALB	DN	WDHR	MALB	699	0	700	0	Track	-	Bank	Water overflow on Track when MACHHU DAM water realeased.
358	ADI	Due to RAW/RAT	DHG-MALB	UP	WDHR	MALB	703	0	704	0	Track	-	Yard	Water overflow on Track when MACHHU DAM water realeased.
359	ADI	Due to RAW/RAT	DHG-MALB	DN	WDHR	MALB	703	0	704	0	Track	-	Yard	Water overflow on Track when MACHHU DAM water realeased.
360	ADI	Due to RAW/RAT	MALB-SIOB	UP	MALB	INDR	704	0	705	0	Track	-	Bank	Water overflow on Track when MACHHU DAM water reale
361	ADI	Due to RAW/RAT	MALB-SIOB	DN	MALB	INDR	704	0	705	0	Track	-	Bank	Water overflow on Track when MACHHU DAM water reale
362	ADI	Due to RAW/RAT	MALB-SIOB	UP	MALB	INDR	705	0	706	0	Track	-	Bank	Water overflow on Track when MACHHU DAM water reale
363	ADI	Due to RAW/RAT	MALB-SIOB	DN	MALB	INDR	705	0	706	0	Track	-	Bank	Water overflow on Track when MACHHU DAM water reale
364	ADI	Due to RAW/RAT	MALB-SIOB	UP	MALB	INDR	707	0	708	0	Track	-	Bank	Water overflow on Track when MACHHU DAM water reale
365	ADI	Due to RAW/RAT	MALB-SIOB	DN	MALB	INDR	707	0	708	0	Track	-	Bank	Water overflow on Track when MACHHU DAM water reale
366	ADI	Weak formation/settlement	SIOB-GIM	DN	CHIB	BMSB	773	555	773	720	Bridge	290 DN	Bank	-

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
367	ADI	Weak formation/settlement	SIOB-GIM	UP	BMSB	CHIB	773	586	773	762	Bridge	290	Bank	-
368	ADI	Flooding/water logging	GIM-NBVJ	SL	AI	AJE	13	162	13	244	Bridge	12	Bank	-
369	ADI	Due to RAW/RAT	GIM-NBVJ	SL	KEMA	BHUJ	50	550	50	604	Bridge	48	Bank	-
370	ADI	Due to RAW/RAT	GIM-NBVJ	SL	KEMA	BHUJ	53	350	53	375	Bridge	50	Bank	-
371	ADI	Due to RAW/RAT	BLDI-SIOB	UP	PDF	KYG	212	8	212	71	Bridge	188UP	Bank	-
372	ADI	Due to RAW/RAT	BLDI-SIOB	DN	PDF	KYG	212	8	212	71	Bridge	188	Bank	-
373	ADI	Flooding/water logging	BLDI-SIOB	UP	SIA	LKZ	238	600	238	667	Bridge	235UP	Bank	-
374	ADI	Flooding/water logging	BLDI-SIOB	DN	SIA	LKZ	238	647	238	714	Bridge	235	Bank	-
375	ADI	Flooding/water logging	MALB-SIOB	UP	KATR	SIOB	741	700	742	0	Track	-	Bank	-
376	ADI	Flooding/water logging	MALB-SIOB	DN	KATR	SIOB	741	700	742	0	Track	-	Bank	-
377	ADI	Flooding/water logging	SIOB-GIM	UP	SIOB	VONB	743	700	743	900	Track	-	Bank	-
378	ADI	Flooding/water logging	SIOB-GIM	DN	SIOB	VONB	743	700	743	900	Track	-	Bank	-
379	ADI	Flooding/water logging	SIOB-GIM	UP	SIOB	VONB	748	900	749	0	Track	-	Bank	-
380	ADI	Flooding/water logging	SIOB-GIM	DN	SIOB	VONB	748	900	749	0	Track	-	Bank	-
381	ADI	Flooding/water logging	VONB	Loop Line No 1 From ATS 103 to ATS 116	-	-	749	300	749	700	Track	-	Yard	VONDH Yard
382	ADI	Flooding/water logging	VONB	Loop Line No 4 From ATS 105 to ATS 118	-	-	749	300	749	700	Track	-	Yard	VONDH Yard
383	ADI	Flooding/water logging	SIOB-GIM	UP	VONB	BCOB	750	0	750	600	Track	-	Yard	VONDH Yard
384	ADI	Flooding/water logging	SIOB-GIM	DN	VONB	BCOB	750	0	750	600	Track	-	Yard	VONDH Yard
385	ADI	Cutting location	SIOB-GIM	UP	VONB	BCOB	757	300	758	0	Track	-	Cutting	-
386	ADI	Cutting location	SIOB-GIM	DN	VONB	BCOB	757	300	758	0	Track	-	Cutting	-
387	ADI	Flooding/water logging	SIOB-GIM	UP	BCOB	CHIB	765	827	765	827	Track	-	Bank	ROB
388	ADI	Flooding/water logging	SIOB-GIM	DN	BCOB	CHIB	765	827	765	827	Track	-	Bank	ROB

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
389	ADI	Flooding/water logging	SIOB-GIM	UP	BCOB	CHIB	769	400	770	0	Track	-	Bank	-
390	ADI	Flooding/water logging	SIOB-GIM	DN	BCOB	CHIB	769	400	770	0	Track	-	Bank	-
391	ADI	Cutting location	BLDI-SIOB	UP	KYG	COE	216	300	217	0	Track	-	Cutting	-
392	ADI	Cutting location	BLDI-SIOB	DN	KYG	COE	216	300	217	0	Track	-	Cutting	-
393	ADI	Cutting location	BLDI-SIOB	UP	KYG	COE	222	700	223	0	Track	-	Cutting	-
394	ADI	Cutting location	BLDI-SIOB	DN	KYG	COE	222	700	223	0	Track	-	Cutting	-
395	ADI	Cutting location	BLDI-SIOB	UP	SIA	LKZ	235	700	236	500	Track	-	Cutting	-
396	ADI	Cutting location	BLDI-SIOB	DN	SIA	LKZ	235	700	236	500	Track	-	Cutting	-
397	RJT	Flooding/water logging	DAC-MALB	SL	WWA	MALB	22	400	24	200	Track	-	Bank	Bank protection by Boulders done.
398	RJT	Flooding/water logging	DAC-NLK	SL	NLK	LUN	59	500	60	200	Track	-	Bank	Bank protection by Boulders done.
399	RJT	Bank Slip/erosion/failure	WKR-RJT	DN	WKR	AXA	702	100	703	100	Track	-	Bank	-
400	RJT	Flooding/water logging	VG-SUNR	DN	BMM	LPR	586	700	590	900	Track	-	Bank	-
401	RJT	Flooding/water logging	VG-SUNR	DN	VG	VNRD	564	100	567	600	Track	-	Bank	-
402	RJT	Flooding/water logging	SUNR-WKR	DN	CJR	DXR	633	100	633	500	Track	-	Bank	-
403	RJT	Flooding/water logging	SUNR-WKR	DN	CJR	DXR	637	800	639	100	Track	-	Cutting	-
404	RJT	Flooding/water logging	SUNR-WKR	DN	MOL	RA	650	900	651	400	Track	-	Cutting	-
405	RJT	Cutting location	WKR-RJT	DN	AXA	SDD	708	800	710	300	Track	-	Cutting	-
406	RJT	Cutting location	RJT-JLR	SL	BKNG	RKY	7	100	7	500	Track	-	Cutting	-
407	RJT	High Embankment	VG-SUNR	DN	VG	SR	576	500	576	600	Bridge	13 DN	Bank	-
408	RJT	High Embankment	VG-SUNR	DN	BLRD	SUNR	622	300	622	400	Bridge	43 DN	Bank	-
409	RJT	Flooding/water logging	DAC-MALB	SL	WWA	MALB	10	100	10	200	Bridge	9	Bank	-
410	RJT	Due to RAW/RAT	SUNR-WKR	DN	LMC	DL	681	700	681	800	Bridge	113 DN	Bank	-
411	RJT	Due to RAW/RAT	WKR-RJT	DN	AXA	WKR	702	100	702	200	Bridge	143 DN	Bank	-
412	RJT	Due to RAW/RAT	WKR-RJT	DN	BLWR	RJT	741	500	741	900	Bridge	225	Bank	-
413	RJT	Chances of WL crossing DL/HFL	WKR-DAC	SL	MU	MVI	27	200	27	500	Bridge	38	Bank	-
414	RJT	Chances of WL crossing DL/HFL	WKR-DAC	SL	MU	WKR	13	70	13	150	Bridge	12	Bank	-
415	RJT	Chances of WL crossing DL/HFL	SUNR-WKR	DN	VD	THAN	664	50	664	150	Bridge	90DN	Bank	-
416	RJT	Chances of WL crossing DL/HFL	SUNR-WKR	UP	VD	THAN	664	50	664	150	Bridge	90UP	Bank	-
417	RJT	Chances of WL crossing DL/HFL	SUNR-WKR	DN	MOL	RA	648	80	648	150	Bridge	75 DN	Bank	-
418	RJT	Chances of WL crossing DL/HFL	RJT-JAM	DN	PDH	CX	767	700	768	0	Bridge	265	Bank	-
419	RJT	Due to RAW/RAT	RJT-JAM	SL	JALD	WTJ	788	100	788	500	Bridge	287	Bank	-
420	RJT	Due to RAW/RAT	KNLS-OKO	SL	MDPR	KMBL	864	700	864	900	Bridge	403	Bank	-
421	RJT	Due to RAW/RAT	KNLS-OKO	SL	KMBL	BHTL	883	200	883	400	Bridge	427	Bank	-
422	RJT	Due to RAW/RAT	KNLS-OKO	SL	BHTL	BPKA	903	100	903	200	Bridge	451	Bank	-

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
423	RJT	Chances of WL crossing DL/HFL	RJT-JAM	DN	KHDI	PDH	766	600	766	700	Bridge	263	Bank	-
424	RJT	Chances of WL crossing DL/HFL	RJT-JAM	DN	PDH	CX	768	0	768	100	Bridge	266	Bank	-
425	RJT	Chances of WL crossing DL/HFL	RJT-JAM	DN	PDH	CX	770	900	771	0	Bridge	268	Bank	-
426	RJT	Chances of WL crossing DL/HFL	RJT-JAM	SL	HM	JALD	783	700	783	800	Bridge	284	Bank	-
427	RJT	Due to RAW/RAT	RJT-JAM	SL	JALD	WTJ	805	400	805	600	Bridge	305	Bank	-
428	RJT	Due to RAW/RAT	JAM-KNLS	SL	LKBL	PPLI	846	100	846	200	Bridge	389	Bank	-
429	RJT	Due to RAW/RAT	RJT-JAM	SL	ALB	WTJ	807	300	807	800	Track	-	Bank	-
430	RJT	Due to RAW/RAT	JAM-KNLS	SL	PPLI	KNLS	849	700	850	600	Track	-	Bank	-
431	RJT	Water Over topping/Overflowing	KNLS-OKO	SL	DWK	BMRN	979	700	979	900	Track	-	Bank	-
432	RJT	Water Over topping/Overflowing	KNLS-OKO	SL	BHTA	OKD	923	500	923	900	Track	-	Bank	-
433	RJT	Water Over topping/Overflowing	KNLS-OKO	SL	BHTA	OKD	924	600	927	700	Track	-	Bank	-
434	RJT	Water Over topping/Overflowing	KNLS-OKO	SL	BHTA	OKD	931	100	931	500	Track	-	Bank	-
435	RJT	Water Over topping/Overflowing	KNLS-OKO	SL	OKD	GRJA	946	300	946	700	Track	-	Bank	-
436	RJT	Cutting location	KNLS-OKO	SL	OKD	GRJA	950	800	951	600	Track	-	Cutting	-
437	RJT	Water Over topping/Overflowing	KNLS-OKO	SL	GRJA	DWK	960	400	960	800	Track	-	Bank	-
438	RJT	Water Over topping/Overflowing	KNLS-OKO	SL	GRJA	DWK	962	900	963	400	Track	-	Bank	-
439	RJT	Water Over topping/Overflowing	KNLS-OKO	SL	DWK	BMRN	976	400	976	600	Track	-	Bank	-
440	BVP	Flooding/water logging	SUNR-BTD	SL	WC	LM	27	800	28	0	Track	-	Bank	-
441	BVP	Water Over topping/Overflowing	Sabarmati - Botad Jn	SL	TID	DCK	119	700	120	0	Track	-	Bank	-
442	BVP	Newly Constrcted bank	Sabarmati - Botad Jn	SL	LHBK	HLB	95	300	96	300	Track	-	Bank	-
443	BVP	Flooding/water logging	Sabarmati - Botad Jn	SL	BNH	JIL	147	6	149	800	Track	-	Bank	-
444	BVP	High Embankment	Sabarmati - Botad Jn	SL	SBID	GG	6	100	9	200	Track	-	Bank	-
445	BVP	High Embankment	SUNR-BTD	SL	SRGT	WC	3	700	4	100	Bridge	124	Bank	-
446	BVP	High Embankment	SUNR-BTD	SL	RUR	KDI	56	0	56	300	Bridge	139	Bank	-
447	BVP	High Embankment	BTD-DLJ	SL	NGA	ALMR	96	800	96	900	Bridge	153	Bank	-
448	BVP	High Embankment	BTD-DLJ	SL	NGA	ALMR	101	500	101	600	Bridge	155	Bank	-
449	BVP	Flooding/water logging	BTD-DLJ	SL	UJ	DLJ	116	100	116	400	Bridge	159	Bank	-
450	BVP	Flooding/water logging	DLJ-SOJN	SL	SOA	SGD	132	300	132	400	Bridge	165A	Bank	-
451	BVP	Flooding/water logging	SOJN-PIT	SL	SOJN	PIT	21	400	21	600	Bridge	35	Bank	-
452	BVP	High Embankment	SUNR-BTD	SL	LM	CDA	30	200	30	600	Bridge	134	Bank	-
453	BVP	High Embankment	Sabarmati - Botad Jn	SL	LHBK	HLB	93	400	93	500	Bridge	114	Bank	-

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
454	BVP	High Embankment	Sabarmati - Botad Jn	SL	LHBK	HLB	95	100	95	200	Bridge	114A	Bank	-
455	BVP	High Embankment	Sabarmati - Botad Jn	SL	LHBK	HLB	99	500	99	600	Bridge	117B1	Bank	-
456	BVP	High Embankment	Sabarmati - Botad Jn	SL	DCK	TID	129	700	129	800	Bridge	139C	Bank	-
457	BVP	High Embankment	Sabarmati - Botad Jn	SL	DCK	TID	130	500	130	600	Bridge	139D	Bank	-
458	BVP	Due to RAW/RAT	Sabarmati - Botad Jn	SL	DCK	TID	131	200	131	300	Bridge	140	Bank	-
459	BVP	High Embankment	Sabarmati - Botad Jn	SL	BNH	JIL	144	700	144	800	Bridge	147C	Bank	-
460	BVP	High Embankment	Sabarmati - Botad Jn	SL	BNH	JIL	145	600	145	700	Bridge	147D	Bank	-
461	BVP	High Embankment	Sabarmati - Botad Jn	SL	BNH	JIL	148	900	149	0	Bridge	147F	Bank	-
462	BVP	Due to RAW/RAT	Sabarmati - Botad Jn	SL	SAPR	ALAU	159	300	159	400	Bridge	158	Bank	-
463	BVP	Due to RAW/RAT	JLR-JND	SL	VAL	JND	98	0	98	100	Bridge	16	Bank	-
464	BVP	Due to RAW/RAT	JLR-JND	SL	VAL	JND	98	400	98	500	Bridge	17	Bank	-
465	BVP	Due to RAW/RAT	JLR-JND	SL	VAL	JND	101	100	101	200	Bridge	18	Bank	-
466	BVP	Due to RAW/RAT	JND-VRL	SL	SHH	LAL	116	200	116	600	Bridge	27	Bank	-
467	BVP	Flooding/water logging	JND-VRL	SL	CVR	ADE	167	800	168	800	Track	-	Bank	-
468	BVP	Flooding/water logging	JND-VSW	SL	JND	BILK	13	500	13	600	Track	-	Bank	-
469	BVP	Flooding/water logging	JND-VSW	SL	JND	BILK	17	300	18	500	Track	-	Bank	-
470	BVP	Flooding/water logging	JND-VSW	SL	BILK	VSW	21	0	21	800	Track	-	Bank	-
471	BVP	Flooding/water logging	JND-VSW	SL	BILK	VSW	24	800	25	200	Track	-	Bank	-
472	BVP	Flooding/water logging	JND-VSW	SL	BILK	VSW	32	700	32	800	Track	-	Bank	-
473	BVP	Water Over topping/Overflowing	VSW-TAV	SL	STDR	KANS	104	800	104	900	Track	-	Cutting	-
474	BVP	Water Over topping/Overflowing	VSW-TAV	SL	KANS	SASG	109	800	109	900	Track	-	Cutting	-
475	BVP	Water Over topping/Overflowing	TAV-PCC	SL	TAV	PCC	6	600	7	500	Track	-	Cutting	-
476	BVP	Water Over topping/Overflowing	TAV-PCC	SL	TAV	PCC	18	600	19	300	Track	-	Cutting	-
477	BVP	Water Over topping/Overflowing	PCC-DVA	SL	PCC	DVA	23	600	23	800	Track	-	Bank	-
478	BVP	Water Over topping/Overflowing	PCC-DVA	SL	PCC	DVA	59	200	59	400	Track	-	Bank	-
479	BVP	Water Over topping/Overflowing	PCC-KODR	SL	PCC	KODR	2	100	2	300	Track	-	Cutting	Closed Section
480	BVP	Flooding/water logging	WSJ-PBR	SL	WSJ	RWO	940	200	940	500	Track	-	Cutting	-
481	BVP	High Embankment	DAS-RLA	SL	LMO	SVKD	40	400	40	800	Bridge	26	Bank	-
482	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	27	900	28	0	Bridge	43	Bank	-

DISASTER MANAGEMENT PLAN

Sr.No.	Div	Nature of Vulnerability	Section/Station	Line	Between Stations		Location				At Bridge Location	Bridge Nos.	Location Type	Remarks
							From		To					
							km	m	km	m				
483	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	28	100	28	200	Bridge	43B	Bank	-
484	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	28	100	28	200	Bridge	44	Bank	-
485	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	37	300	37	400	Bridge	53B	Bank	-
486	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	51	0	51	100	Bridge	69	Bank	-
487	BVP	Due to RAW/RAT	KJV-JLR	SL	VDV	JTP	117	100	117	200	Bridge	49	Bank	-
488	BVP	High Embankment	RJT-JLR	SL	VRR	JLR	70	0	70	400	Bridge	9	Bank	-
489	BVP	High Embankment	RJT-JLR	SL	VRR	JLR	69	900	70	0	Bridge	10	Bank	-
490	BVP	Flooding/water logging	DAS-RLA	SL	LMO	SVKD	41	100	41	400	Bridge	27	Bank	-
491	BVP	Water Over topping/Overflowing	DAS-RLA	SL	DAS	DME	4	500	5	100	Track	-	Cutting	-
492	BVP	Water Over topping/Overflowing	DAS-RLA	SL	DME	LMO	16	100	16	900	Track	-	Bank	-
493	BVP	Water Over topping/Overflowing	DAS-RLA	SL	DME	LMO	20	800	21	500	Track	-	Bank	-
494	BVP	Water Over topping/Overflowing	RLA-PPBR Port	SL	RJU	PPVS	10	600	10	800	Track	-	Cutting	-
495	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	26	800	26	900	Track	-	Bank	-
496	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	34	700	34	800	Track	-	Bank	-
497	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	36	700	36	800	Track	-	Bank	-
498	BVP	Flooding/water logging	KJV-VSW	SL	AE	CLC	37	100	38	800	Track	-	Bank	-
499	BVP	Flooding/water logging	KJV-VSW	SL	CLC	DARI	41	600	41	700	Track	-	Bank	-
500	BVP	Flooding/water logging	KJV-VSW	SL	CLC	DARI	42	400	42	600	Track	-	Bank	-
501	BVP	Flooding/water logging	KJV-VSW	SL	CLC	DARI	49	500	52	0	Track	-	Cutting	-
502	BVP	Flooding/water logging	KJV-VSW	SL	CLC	DARI	57	600	57	700	Track	-	Bank	-
503	BVP	Water Over topping/Overflowing	RJT-JLR	SL	RBR	GDL	35	0	35	500	Track	-	Cutting	-
504	BVP	Water Over topping/Overflowing	RJT-JLR	SL	GDL	VRR	44	300	44	500	Track	-	Cutting	-
505	BVP	Water Over topping/Overflowing	RJT-JLR	SL	VRR	JLR	72	100	73	0	Track	-	Cutting	-

Part 2

CHAPTER - 1**SCHEDULE OF POWERS- DISASTER MANAGEMENT****1.0 Preamble to Model SOP 2018**

Model Schedule of Power (SOP) was issued first time from the Railway Board on **October 26, 2017**. Subsequently, a need was felt to bring out its revised version, incorporating the correction slips, Railways' best practices and enhanced delegation of power introduced by Railway Board.

This Model SOP 2018 covers Works, Medical, Stores, Commercial, Establishment, RPF and Miscellaneous matters including CTIs, IT, PR. Section C (Miscellaneous) of this SOP covers the items pertaining to Disaster Management. Important Paras pertaining to Disaster Management (updated up to 31/12/2024) have been included in this chapter for ready reference. For any update/changes, Model SOP available on WR Website (URL- 10.3.2.55) may be referred.

The exercise of the powers delegated is subject to the observance of provisions of the existing code, rules and other extant orders. The sanctioning authorities shall pay due regard to the cannons of financial propriety which are enumerated in Para 116 of Indian Railway Finance Code Vol – I. The exercise of powers by various authorities is subject to availability of funds against the appropriate head of account under the relevant demand.

Orders/delegation issued by Railway Board, from time to time, shall be applicable, with prospective effect. Railways may issue Correction Slips as and when such orders/ delegations are issued.

S.No.	Nature of Powers	PHOD/CHOD /HOD	DRM/ ADRM/ SAG	Divisional Officers, Extra Divisional Officers & Officers in Headquarters	REMARKS
31 Part-A	(G) Annual Maintenance Contract on single tender basis for Track Machines, equipment of Disaster Management viz. HRE, HRD and 140 T DSL BD cranes, electronic equipment of SP-ART, SP-ARMV & Tower Wagon with OEM or their authorized agent with finance concurrence.	PCME, Pr. CE, & PCEE Full powers <u>Other PHODs</u> Up to Rs. 10 lakhs per item subject to maximum ceiling limit of Rs. 50 lakhs per annum. <u>SAG officer (Civil / Mech Deptt) dealing with the subject</u> Full powers <u>Other SAGs</u> Up to Rs. 5 lakhs per item subject to maximum ceiling limit of Rs. 30 lakhs per annum.	<u>DRM</u> Full powers	<u>SG/JAG</u> Up to Rs. 2 lakhs per case with annual ceiling of Rs. 30 lakhs	

Note on Items 31 E, F, G:

- The AMC of critical equipment on single tender basis may be awarded to OEMs or authorized dealers. The decision to award work to OEMs or authorized dealers on single tender shall be decided by the sanctioning authority while obtaining finance concurrence.
- This would need the prior concurrence of finance.
- Since AMCs are in the nature of Service Contracts and OEMs/Authorised Dealers are often reluctant to submit Earnest Money or Security deposits, this need not be insisted upon in each case. Care may, however, be taken to enter into such contracts only with reputed dealers so as to ensure satisfactory performance and minimum downtime of the equipment.
- The above powers may be exercised subject to availability of funds.
- In workshops where workshop in charge are in JAG, the powers will be exercised by CWE.
- Normally the work of repair of window AC, split AC, water coolers is undertaken departmentally. However, to enter into AMC for such repairs from outside agency, a certificate to this effect that the work cannot be undertaken departmentally, may be given by the controlling officer. Such repairs may normally be done through open tender from reputed firms.
- As per the laid down procedure of works matters tenders. In case of Single tender the Tender committee and the accepting authority should be one step higher than in case of open tender excepting where GM is the accepting authority.
- The AMC can be of the following types:-
 - “Full services maintenance agreements” which as the name implies is all inclusive of labour, consumables and spares.
 - “Annual Maintenance Agreements” where labour and consumables are included.
 - A schedule of rates for spares and non-recurring spares can be drawn up before entering into the AMC to facilitate fixing of rates during AMC.
 - It is also to be understood that the cost of yearly AMC is to be defined clearly. The materials from spares list actually used together with AMC value should not exceed the sanction limit.
- In all cases not covered above, AGM shall be the competent authority to approve such cases with full powers.
- Constitution of TC and Accepting Authority shall be as per the delegations of Works matters (Annexure-A) read with note 7 above.

S.No.	Nature of Powers	PCMD, other HQ officers & D(Zonal Hospital)	DRM, CWM(SAG)&SAG Officers in independent charge of divisional/sub-divisional/Workshop/P U hospitals	SG/JA Grade Officers of Divisional/ Sub Divisional/ Workshop Hospital In-charges	Sr. Scale and Asst. Scale Officers	REMARKS
1	2	3	4	5	6	7
25. Part-B	(a) Purchase of Items for accident relief medical equipment including First Aid articles	<u>PCMD</u> Full Powers <u>MD (Zonal hosp)</u> Full powers	Full Powers	<u>MS/Sr. DMO</u> Full Powers	<u>Medical officer I/C of H.U.</u> Full Powers	1. Finance concurrence is not necessary. 2. Delegation Is for Initial Supply/ replenishment 3. CMS/CMO/MD/Sr.MS/MS/DMO incharges should submit a monthly Statement to CMD indicating the reasons for such replacement and the quantum of purchases etc. Authority: 1. Railway Board Lr.No.2000/H/4 dated 27/10/2000
	(b) Replacement of sugar, tea, coffee, K Oil & Spirit Methylated in Emergency.	<u>PCMD/CHD</u> Fullpowers <u>MD (Zonal Hosp)</u> Full Powers	<u>CMS/CMO</u> Full Powers	Full Powers	<u>Medical officer incharge of Health Unit</u> Full Powers	1. Finance concurrence is not necessary
	(c) Cash Imprest for medical officers in charge of ART/ARME	<u>MD (Zonal Hosp)</u> Full Powers	Full powers	Rs. 20,000/-	Rs. 20,000/-	1. Subject to stipulating the condition that exercising the Powers only for the accidents where there are injuries and casualties duly certifying the occasion by the Hospital in charge. 2. Associate finance concurrence is required. Authority: 1. Item no.41 of High-level Committee Report on Disaster Management . Ref: 2002/H/7/4 dated 20.5.2003 from ED(H)

S.No.	Nature of Powers	PHOD/HOD	DRM/ADRM/CWM/ SAG Officers in Field Units	Divisional Officers, Extra Divisional Officers & Officers in Headquarters	REMARKS
1	2	3	4	5	6
10. Part C	Expenditure at accident site or damages due to floods, breaches cyclones earthquakes, bandh/hartal/strike etc.				
	(A) Providing food, drinks, and transport of injured passengers to hospitals and to stranded passengers.	Full Powers	DRM / ADRM Full Powers	Divl. Officers Full Powers	1. Finance concurrence is not necessary. 2. The cases in which the Asst. Officers exercise these powers should be put up to DRM for ratification. 3. The Officers who are empowered to incur expenditure for supply of food to persons in emergent cases are authorized to utilize station earnings as per codal provisions, without prior finance concurrence in cases where it is not possible to meet the expenditure in the normal manner (Board's letter No. F(X)- 64PW4/6dt.12.6.1967) 4. In respect of Item10(c) categories to whom cash-in-lieu of food supply given has to be excluded. 5. Accounts should be rendered within 2 weeks. 6. A nodal officer at the level of SAG shall be nominated by GM/AGM to approve drawl of station earning in case of a disaster. Necessary procedure may be framed by the individual Railways in this regard. Authority: 1. Rule 1420 of Indian Railway Establishment Code (IREC) – Vol. II (1987)
	(B) Food and drinks for staff attending to breakdown duties.	Full Powers	DRM / ADRM Full Powers	Divl. Officers Full Powers	
	(C) Sanction of expenditure to supply food to labour temporarily employed in accidents/ breaches for transshipment.	Full Powers	Full Powers	Divl. Officers Full Powers	
	(D) To incur expenditure on setting up Camp, lighting, and transshipment arrangements on breaches and accidents.	Full Powers	Full Powers	Divl. Officers Full Powers	
	(E) Hiring of road mobile, restoration machinery like Bulldozers, road cranes etc. from outside agencies.	Full powers	Full powers	JAG/SG Officers Full powers	
Disaster Management					
97. Part- C	Disaster Management				
	(A) Procurement of additional lifesaving drugs from the market by Medical Officers at the site.	Full Powers	Full Powers	Full Powers	1. Full Powers if he is the only Medical Officer available onsite. 2. Medical Officers to draw money from station collection. 3. Finance concurrence not required. Authority: 1. Recommendation of High-Level Committee on Disaster Management Item No.31
	(B) On the Spot payment to private Hospitals for treatment of injured.	Full Powers	Full Powers	Full Powers	1. Full Powers if he is the only Medical Officer available onsite. 2. Medical Officers to draw money from station collection. 3. Finance concurrence not required Authority: 1. Recommendation of High-Level Committee on Disaster Management Item No.32.

S.No.	Nature of Powers	PHOD/HOD	DRM/ADRM/CWM/ SAG Officers in Field Units	Divisional Officers, Extra Divisional Officers & Officers in Headquarters	REMARKS
1	2	3	4	5	6
	(C) Cash imprest for ARMV in charges – for expeditious procurement of small items like fuel, food materials etc. at accident sites.	Full Powers	Full Powers	Full Powers	- Full Powers if he is the only Medical Officer available onsite. - This power to be implemented when the ARMV has to remain at the accident site for a longer period during exigencies. - Up to Rs. 5,000/- for food materials, fuel etc., Authority: - Recommendation of High-Level Committee on Disaster Management Item No.41
	(D) Purchase of items for ARME including First Aid Articles.	Full Powers	Full Powers	Full Powers	- Only for emergency purchases and not for normal day to day requirements. Authority: - Recommendation of High-Level Committee on Disaster Management Item No.36
	(E) ART Equipment (HRE, HRD & 140 T cranes and other related equipment). (Authority: Recommendation of High-Level Committee on Disaster Management Item No.36)				
	(i) For planned procurement of the spares, consumables, and small tools.	<u>PCME / PHOD/ CHOD</u> Above Rs.25 Lakhs and up to Rs.2.5 Crores <u>Concerned HOD of Mechanical Department</u> Above Rs.8 Lakhs and up to Rs. 25 lakhs	Nil	<u>SG/JAG</u> above Rs.1.5 Lakhs and up to Rs.8 Lakhs. <u>Sr Scale</u> up to Rs. 1.5 lakhs	- Finance concurrence is necessary - Constitution of tender committee and acceptance as per Stores/Works powers as applicable Authority :- - Correction slip No.4 issued by WR vide letter No.G176/Item 97(E)MSOP 18/Part C/(Misc.Matters) dtd.29.01.2020
	(ii) For emergency repairs and purchase of spares incidental to such repairs	<u>PCME/-Concerned HOD of Mechanical Department</u> Up to Rs. 1 Lakh per break down	Up to Rs. 1 Lakh per break down	<u>Sr DME/ In charge of ARTs</u> Up to Rts.50,000/- per break down without finance concurrence	- Finance concurrence is not necessary up to Rs. 50,000/- - Single quotation can be resorted to in case of Repair/ Spare from OEM/Authorized dealer. - Sr. DME/In Charge of ART shall certify the emergency. - A register showing the details of expenditure incurred on each breakdown should be maintained. The overall ceiling limit for emergency repairs/purchases of spares should not exceed Rs.20 lakhs per annum Authority: - - Board's letter No.2018/Trans.Cell/Mech/SOP Corrigendum dtd.14.01.2019 - Correction slip No.4 issued by WR vide letter No.G176/Item 97(E)MSOP 18/Part C/(Misc.Matters) dtd.29.01.2020
	(iii) Scheduled overhauling/ reconditioning repairs to machines (Schedules not covered under Annual Maintenance contract) and for purchase of spare parts for this equipment.	<u>PCME</u> Full powers <u>Concerned HOD of Mechanical Department</u> Up to Rs. 50,000/- at a time.	Nil	<u>Sr. DMEs/ In charge/ART</u> Up to Rs. 30,000/- at a time. <u>DME/In charge of ART</u> Up to Rs. 10,000/- at a time.	- Finance concurrence is necessary. - Subject to usual procedure of calling of tender /Quotation etc., being followed as per extant orders. - Correction slip No.4 issued by WR vide letter No.G176/Item 97(E)MSOP 18/Part C/(Misc.Matters) dtd.29.01.2020

S.No.	Nature of Powers	PHOD/HOD	DRM/ADRM/CWM/ SAG Officers in Field Units	Divisional Officers, Extra Divisional Officers & Officers in Headquarters	REMARKS
1	2	3	4	5	6
	(F) Hiring of vehicles for rescue and relief operations.	Nil	<u>DRM/ADRM</u> Full powers during accidents	<u>Branch Officers of Medical, Mechanical, Operating, Safety and Commercial departments</u> Full Powers.	- The expenditure can be met from cash imprest/ Station earnings without any limitation. - Efforts may be made to pool the utilization wherever possible. - Finance concurrence not required <i>Authority:</i> - Recommendation of High-Level Committee on Disaster Management Item No.30
	(G) Sanction of expenditure incurred during relief and rescue operations.	<u>All Mechanical, Medical, Commercial, Operating Safety, Officers at the site of accident</u> Full powers	Full powers	<u>All Mechanical, Medical, Commercial, Safety, Operating Safety and Electrical Officers at the site of accident</u> Full powers	- Vouchers/Bills should be submitted within a Week's time - Finance concurrence required at the time of post facto sanction <i>Authority:</i> - Recommendation of High-Level Committee on Disaster Management Item No.35
	(G) (1) Sanction of expenditure incurred for management of Disaster as declared by NDMA (National Disaster Management Authority)	<u>PHOD</u> Full powers	<u>DRM/ADRM/CWM</u> Full powers <u>MD/JRH</u> Full powers	NIL	- Prior finance concurrence is required. - Vouchers to be kept for record and scrutiny <i>Authority:</i> - Correction slip No.5 issued by WR vide letter No. WR-HQ 0GENL(G1SP)/12/2020-O/o DGM/G/HQ/WR dated 16.06.2020
	(H) Procurement of ART/ ARMV equipment.	<u>PCME –</u> Full Powers -	--	--	- No item/equipment shall be banned while being purchased for ART/ARMV/Breakdown Crane. No circulars/orders restricting the purchase procedures/powers for ART/ARMV/Crane equipment shall be applicable unless issued by Railway Board (MM&FC). <i>Authority:</i> - Recommendation of High-Level Committee on Disaster Management Item No.37
	(I) Sanction of cash imprest for maintaining ART/ARMVs/Cranes.	<u>PCME –</u> Full Powers.	Nil	Nil	- Finance concurrence is necessary <i>Authority:</i> - Recommendation of High-Level Committee on Disaster Management Item No.39.
	(J) Purchase of ART/ ARMV/Crane material through imprest cash.	--	--	<u>JAG/Sr. Scale/Jr. Scale in Divisions</u> Full powers to ART In-charge officer up to Rs. 10,000/- per item	Finance concurrence not required

S.No.	Nature of Powers	PHOD/HOD	DRM/ADRM/CWM/ SAG Officers in Field Units	Divisional Officers, Extra Divisional Officers & Officers in Headquarters	REMARKS
1	2	3	4	5	6
	(K) (i) Requisition of Helicopter / Airplane to reach the site of serious accident or to evacuate injured and dead in the event of serious accident. (ii) Requisition of Air support to dispatch the rescue teams to the site of accident.				1. These powers are left to the discretion of GM. The circumstances under which GM exercise these powers, broadly cover the following types of cases: (i) Where more than 10 casualties (death-cum-serious injuries) are feared and it is difficult for these officers to reach the site within reasonable time. (ii) Where heavy damage is caused to Railway installations in sensitive and tension filled areas (e.g. wreckage of track, bridges etc. through bomb blast, other means of sabotage, etc.) (iii) Where public reaction in case of late arrival of senior officers at site is likely to be highly adverse. (iv) Normally, in case of an accident, only one helicopter should be requisitioned by a Zonal Railway, except when there is a serious passenger train accident involving several casualties when it is essential for both the General Manager and the Divisional Railway Manager to reach the site at once to satisfy the public and the Press. However, for dispatching the rescue teams to the site of the accident, separate helicopter/ airplane may be requisitioned, if so needed. <i>Authority:</i> 1. Railway Board's letter No.2002/Safety-1/6/6 dated 13.06.2004

S.No	Nature of Power	PHOD/HOD	DRM/ADR M	Divisional Officers & Officers in Headquarters	REMARKS
1	2	3	4	5	6
23. Part- E	(A) To make ex gratia payments payable to persons seriously injured or dependents of persons killed in Railway accidents (as defined in Section-124) including Railway servants on duty or travelling as passengers i) In case of death ii) In case of grievous injury iii) In case of simple injury	<u>PHOD/CHOD/CCO</u> Rs. 50,000/- per case <u>PHOD/CHOD/CCO</u> Rs. 25,000/- per case <u>PHOD/CHOD/CCO</u> Rs. 5,000/- per case			1. No finance concurrence is required 2. The terms and conditions stipulated in RB's 2014/TC-III/1/2//IRCT(C)/Ch.IV dtd. 07.11.2014 shall be followed 3. For Sl. No.23(A)(ii), i) This is the lump-sum amount for hospitalization up to 30 days to take care of the initial expenses ii) Thereafter, Rs.300/- per day be released at the end of every 10-day period of discharge, whichever is earlier iii) The maximum period for which ex-gratia is payable to the grievously injured passenger will be 12 months 4. For Sl. No.23(B)(ii), i) This is the lump-sum amount for hospitalization up to 30 days to take care of the initial expenses ii) Thereafter, Rs.1000/- per week or part thereof up to further 6 months of hospitalization. Rs.500/- per week or part thereof the period treatment up to further Five months of Hospitalisation. iii) The maximum period for which ex-gratia is payable to the grievously injured passenger will be 12 months <i>Authority:</i> 1. Rly Board's letter No: 2002/TC-III/28/3 dtd 12.06.02 2. RlyBoard's Letter No:2011/TC-III/27/29/Ex-Gratia dtd 26.07.2012 3. Rly Board's Letter No: 2011/TC-III/27/29/Ex-Gratia dtd 07.05.2013 4. RlyBoard'sLetterNo:2014/TC-III/1/2//IRCT(C)/Ch.IVdtd 07.11.2014
23. Part- E	(B) To make ex gratia payments payable to persons seriously injured or dependents of persons killed in Untoward Incidents as defined in Section 124-A including Railway servants on duty i) In case of death ii) In case of grievous injury iii) In case of simple injury	<u>PHOD/CHOD/CCO</u> Rs. 15,000/- per case <u>PHOD/CHOD/CCO</u> Rs. 5,000/- per case <u>PHOD/CHOD/CCO</u> Rs. 500/- per case			

S.No 1	Nature of Power 2	PHOD/HOD 3	DRM/ADRM 4	Divisional Officers & Officers in Headquarters 5	REMARKS 6
24. Part- E	To make ex gratia payments to road users who meet with an accident at manned level crossing, due to Railway's prima facie negligence i) In case of death ii) In case of grievous injury irrespective of the period of hospitalization iii) In case of simple injury	<u>PHOD/CHOD/C</u> <u>CO</u> Rs. 50,000/- per case <u>PHOD/CHOD/</u> <u>CCO</u> Rs. 25,000/- per case <u>PHOD/CHOD/C</u> <u>CO</u> Rs. 5,000/- per case			1. No finance concurrence is required. 2. The terms and conditions stipulated in RB's 2014/TC-III/1/2//IRCT©/Ch. IV dtd. 07.11.14 shall be followed
61. Part- F	To sanction ex-gratia payment to the dependents of railway employees who die in performance of their bonafide official duties	<u>PCSC/RPF</u> Full powers with respect to dependents of RPSF employees with concurrence of associate finance of bill paying unit	<u>DRM/CWM</u> Full power with finance concurrence	Nil	1. GM has full powers with finance concurrence <i>Authority:</i> 1. RBE No. 285/99 2. RB Ltr No. 2017/Trans/01/Policy Dtd 18.10.2017 3. Rly Bd Lr No.2018/Trans/01/Policy Dtd. 03/05/2018

CHAPTER – 2**REPORTING OF ACCIDENT TO RAILWAY BOARD**

2.0 A telephonic advice should be relayed to nominated officers in Railway Board's Office immediately after the occurrence of the following categories of accidents: -

- (a) All consequential train accidents above the threshold value and /or involving loss of human life.
- (b) Any yard accident having serious repercussion of movement of traffic on through/main line resulting in dislocation of traffic more than the threshold value.
- (c) Landslides, breaches, OHE breakdown, etc. which result in dislocation of traffic more than the threshold value.
- (d) Averted collisions.
- (e) Driver passing signal at danger.

Reporting of all accidents case to Railway Board are now also required to be made through SIMS website (As per Advisor Safety, Railway Board's letter No.2011/Safety (A&R)/3/9 Dated 30.11.2011)

2.1 Important telephone numbers of Board's official for reporting accidents:

The following list is as per the priority of officers to be informed at the time of an accident

Sr. No.	Designation	Tel. Nos (Office)		MTNL Tel No. (Resi)	Fax	E mail
		Railway	MTNL			
1	DG/Safety	47490	23382674			
2	Principal Executive Director (Safety)	43302 47406	23381344 23047406		23386215	pedsafety@rb.railnet.gov.in
3	ED (Safety)/ S&T	47407	47847407		-	balbir.yadava@gov.in
4	ED(Safety) / (Traffic)	47408	23047408	20818333	-	
5	ED(Safety) / Elect.	47427	23047427			nakra.ak@gov.in
6	ED(Safety) / Civil	47425	23047425			rahulsri.7398@gov.in
7	ED(Safety)/ Mech.	47428	23047428		23047428	utkarsh.irsme@gov.in
8	JD(Safety)	45589	47845589			
9	DD(Safety)/(A&R)- I	47415	23047415			
10	DD(Safety)/(Inquiries)	47417	23304480			
11	Control Office (Safety) Chief Controller	43599, 43399, 47423	23382638	-	-	

2.2 Telephone numbers of the CRS (Western Circle) and CCRS/LKO are as under:

S.N.	Designation	Tel. Nos. (Office)	Mobile	E mail
1	CRS (Western circle) Mumbai	Rly: 22694 (WR) MTNL 022-22034351	9004490720	crsw@wr.railnet.gov.in
2	Dy. CRS (Tech.)/ S&T (Western circle) Mumbai	Rly: 22693 (WR) MTNL 022-22034351	9004490721	dycrs@wr.railnet.gov.in dycrsnt@wr.railnet.gov.in
3	CRS (Central circle) Mumbai	Rly: 010-54950 (CR) MTNL: 022-22056058		Crsc.mum-moca@gov.in
4	Dy. CRS (Tech.)/ ET (Central circle) Mumbai	022-22056058	–	Dycrstech-cc-moca@gov.in
5	CCRS New Delhi	MTNL: 011-23369778	–	ccrs-moca@gov.in
6	Dy. CRS (G) CCRS Office, New Delhi	011-42626293	–	Avinash.kumar17@gov.in
7	Section Officer CCRS Office, New Delhi	011-24642824	–	Sors.moca@nic.in

2.3 Accident Reporting to CRS:

As per section 113 of the Railway Act, 1989, the quantum of damage to Railway property has to be prescribed by the Central Government for an accident to be inquired into by the Commissioner of Railway Safety.

Any accident which is attended with loss of human life or with grievous injury or with damage to Railway property of value exceeding Rs. 2,00,00,000/- (As per Joint Director/Safety, Railway Board's letter No. 2000 Safety (A&R)/19/20 dtd. 28.9.2010) or accident to passenger carrying trains or the cases of landslides or breaches by flood or rain, which cause the interruption of any important through line of communication for at least 24 hours, should immediately be reported to the Commissioner of Railway Safety concerned.

N.B. – Reporting of accidents to the Railway Board and the CRS, shall be the responsibility of the headquarters Safety Organization, whereas the responsibility of transmitting necessary information to the head-quarters and to the civil and police authorities shall devolve with the division concerned.

2.4 Accident format

(Director/Safety, Railway Board's letter No.2000/Safety (A&R)/3/5 dated 14.03.2006)

Category of Accident

Class of Accident

1.	Date and Time of Accident	
2.	Division	
3.	Section	
4.	Block Section	
5.	At station/Mid-Section	
6.	Gauge (BG/MG/NG)	
7.	Traction (Elect. / Non-Elect.)	
8.	Type of Route	
9.	System of Working	
10.	Class of Station, Type of Signaling, Standard of Interlocking	
11.	Train Particulars	
12.	Brief Particulars	
13.	Train working condition (Normal/Abnormal (in Brief))	
14.	Procedural failure, if any (in brief)	
15.	Casualty	Killed – Grievously Injured – Simple Injured -

16.	Relief Arrangements	ARME – ART- Crane-
17.	Officers visiting site	
18.	Restoration	
19.	Time of first train passed on the affected line/lines	
20.	Prima Facie Cause	
21.	Gate Particulars	(Annexure-A1)
22.	Driver Particulars	(Annexure-A2)
23.	State/District	
24.	Other information, if any	

2.4.1. Gate Particulars (Manned/Unmanned)**Annexure- A1**

Gate Particulars (Manned/Unmanned) -		
Traffic/Engineering Gate -	Gate No. -	Kms. -
Lifting Barrier -	/Flap -	/Chain -
TVU -	/Year -	
Interlocked	Or	Non-Interlocked-
Telephone – Provided -	Or/	Not provided-
Normal position of gate	Open to road traffic-	Closed to road traffic
Road signs -	Speed Breaker-	Whistle Board-
Type of Road-		
Gradient if any-		
Visibility (in meters)-		
No. of accident during last two years-		
Gate Mitra in shift (Provided/ Not provided)		
RW/L Board (Provided/ Not provided)		

2.4.2. Driver's Particular**Annexure - A2**

Name		
Date of Birth		
Head Quarter		
Grade		
Breathalyzer test		
(Positive = intoxication)		
(Negative= Without toxicities)		
Date of Appointment		
Date of Medical Examination		Next Due-
With or without glasses		
Date of Refresher		Next Due-
Safety Camp		Next Due-
Competency (DSL)		Next Due-
Safety category Grading		
Nominated Loco Inspector		
Signing On / Off	Provided or not provided	
Rest availed before duty		

2.5 Accident Monitoring Check Sheet:

Zone	Division	Section	Train No.	Time of Accident	Single/Double	Electrified /Non-Electrified					
Class of Signalling	System of working	Load	Engine No.	Physical position of derailed vehicle in sequence from TE							
Prima Facie cause				Damages to track and OHE							
Speed of train		Any caution at spot		Any Abnormality reported by previous GDR							
Site phone nos.		Divisional Emergency control numbers		HQs emergency control Nos.		Helpline Nos					
Creation of SIMS ID	Yes/No	Track structure:	No. of trains Cancelled:	No. of trains diverted:	No. of trains short terminated						
Informed PMO	Informed MHA control	Collecting Photos/Videos	NDRF was Informed		Live feed made available						
Yes/No	Yes/No	Yes/No	Yes/No		Yes/No						
Total passengers in Train		No of Passengers in affected portion			Restoration forecast						
MHA control room:				FIR No. If lodged							
NDMA control room:											
NDRF control room:											
Hourly progress of the accident											
Activity/TIME											
Movement of Officers and VIPs											
Movement of ARMVS/SPARMEs											
Movement of ARTs/SPARTs											
Movement of NDRF/Armed Forces											
Casualty details											
Hospital in which dead bodies are kept											
Hospital in which injured are admitted											
Evacuation of stranded passengers											
Removal of unaffected portion											
Restoration progress											

2.6 FORMAT FOR SEEKING NDRF HELP IN CASE OF DISASTER

**The Commandant,
NDRF, 6thBattalian, Chilora Road,
Gandhi Nagar,
Gujarat – 382042.**

OR

**The Commandant,

NDRF, 5thBattalian, PO. Vishnu Puri,
Talegaon,Pune
Maharashtra**

Sub: Request for deputing NDRF personnel for relief and rescue operation.

Dear Sir,

There has been serious accident on Western Railway over ----- division on ----- station in-----
-- section at ----- hrs. on -----.

From the information received till now it appears that the accident is of a serious nature and could lead to large number of casualties. Although Railways are making all efforts to take up relief and rescue operations, it is felt that the participation of the NDRF personnel could be of great help in speeding up the process and reducing casualties. In view of this you are requested to immediately depute adequate number of men from your battalion with necessary relief equipment to the accident site at the earliest. The movement of your battalion indicating the time and route of travel from place to the accident site maybe intimated to the undersigned by *E-mail/FAX so as to ensure adequate coordination. You are also requested to indicate the contact No. of the senior most personnel who will be traveling with the NDRF Group. Detailed information about accident is furnished herewith in separate enclosures in Annexure- 1.

Enc.: AA.

Divisional Rly. Manager/ Principal Chief Safety Officer

E-mail ID

FAX No.

Copy to:

1. Adviser (Safety), Railway Board (Fax No.011-23386215) for kind information and necessary action please.
2. NDMA HQ (Fax No.011-2670170) NDMA Bhawan A-1, Safdarjung Enclave, New Delhi.
3. NDRFHQ (Fax No.011-26105912) National Disaster response Force (NDRF), Sector- 1 R.K. Puram, New Delhi.
4. DRMs- BCT, BRC, RTM, RJT, BVP, ADI for information and necessary action please.

2.7 Accident Information Annexure – 1

1. Travel Co-ordinate
2. Name of the District..... (where accident occurred)
3. Distant from Ahmedabad/Gandhinagar/Pune
4. Name and Contact No. of Nodal Officer of Railways who to be approached for Co-ordination
.....
5. Timing of placing special train at Ahmedabad/Pune for swift movement..... followed as
per advice of 6 NDRF Ahmedabad/ 5 NDRF Pune

Divisional Rly. Manager/Principal Chief Safety Officer

CHAPTER – 3**DISASTER MANAGEMENT SYSTEM- STRATEGIES AND RESOURCES
WESTERN RAILWAY****3.1 (a) Details of Accident Relief Cranes their beats, inspection schedules on
Western Railway**

Sr. No.	Division	Class of ARTs	Location of ARTs	Crane Capacity	Max speed (KMPH)	Beat and KMs	Inspection Schedule
1	Mumbai Central	A	UDN	140T Diesel Hydraulic	100	UDN-CCG = 263 UDN-BRC =133 UDN-J = 304	• Daily • Weekly • Quarterly • Half Yearly • Yearly • 2 Yearly • 4 Yearly
2	Vadodara	A	BRC	140T Diesel Hydraulic	100	BRC-ST = 130 BRC-GER =86 BRC-GDA =74 ANND-GDA =78 ANND-CBY =52 KBRV-VTL =6 VDA-KTNA =42 ND-MDSA =105 BRC-ARPR-JBT =175 BH-DHF =61 AKV-RAJ =63 BRC-EKNR =83 DB- MYG =32 GTX/KSE-KWS =33 BJW-CYI =3.5	
3	Ratlam	A	RTM	140T Diesel Hydraulic	100	RTM-BRC =259 RTM-CAN =201 RTM-NAD-BPL =280 RTM-FTD-IND-DADN =141 MKC-DWX-INDB =74 UJN-DWX =40 UJN-FTD =24	
4	Ahmedabad	A	KKF	140T Diesel Hydraulic	100	ADI-BRC =100 ADI-SUNR-RLA-MHV/PPBR = 403 ADI-BTD-RLA-MHV/PPBR =370 ADI-VG-DHG =131 ADI-PNU =134 ADI-MSH-VG =135 ADI-MSH-PTN-BLDI =160 ADI-KHD-GNC-KLL =54 MSH-TRAH =56 ANND-GDA =79 ADI-HMT=87 ADI-BTD =109	
		A	GIMB	140T Diesel	75	GIM-PNU =300 GIM-DSLP-NLY =160 GIM-DHG =170	

DISASTER MANAGEMENT PLAN

				Hydraulic		GIM-MDPT-WPA =84 GIM-KDLP =12 GIM-TUNA Port =20	
5	Rajkot	A	RJT	140T Diesel Hydraulic	100	RJT-OKHA = 252 RJT-VG =181 PBR-KNLS =106 KNLS-SIKA =15 WKR-MALB =80 DAC-NKL =19 RJT-SMNH =190 SUNR-DHG =35 RJT-BVP =285 SOJN-PIT =28 WSJ-JLR =90	
6	Bhavnagar	A	BVP	140T Diesel Hydraulic	100	BVC-SUNR =169 BVC-MHV-PPBR =202 BVC-PIT =48 BVC-BTD-GG =246 BVC-JLR =179 BVP-JLR-PBR =303 BVP-JLR-SMNH =292 BVP-JLR-KLNS =336	

(b) EXTENDED BEATS OF ART and CRANES WITH DFCCIL

WESTERN RAILWAY					
EXTENDED BEATS OF ART and CRANES WITH DFCCIL					
Sr. No.	Div.	Station	Station code	Type of ART	DFCCIL SECTIONS
1	BCT	Udhna	UDN	A'-Class ART	NEW UDHANA - NEW SAPHALE (183 KM) & STAND BY - NEW UDHANA-NEW MAKARPURA
2	BRC	Vadodara Goods yard	BRCY	A'-Class ART (DFCCIL)	NEW MAKARPURA- NEW UDHANA & NEW MAKARPURA - NEW SANAND SOUTH JS - NEW SANAND NORTH JS (300KM)
3	ADI	Kankaria	KKF	A'-Class ART	NEW PALANPUR- NEW MAHESANA-NEW SANAND (SOUTH & NORTH) STAND BY - NEW SANAND (SOUTH & NORTH) - NEW MAKARPURA
Note: - *In case of non-availability of Sr. No. 1 & 3 adjoining Cranes of RTM (for UDN- ART) & GIM (for KKF-ART) Shall cover the same beats as shown above.					

3.2 Details of ARMVs, SPARTs/SPARMEs & ARTs of Western Railway:

DETAILS OF ARMV's, SPARTs/SPARMEs & ART's OF WESTERN RAILWAY							
Division	ARMV's			ART's			
	Location	Class	Max.speed of (kmph)	Location of ART	Class of ART	Crane capacity in Tonnes	Max.speed of ART (kmph)
Mumbai Central	BA DSL Shed	SPART	110	--	--	--	--
	Valsad (BL)	ARME Scale-1	110	BL C&W Depot	B	--	100
	Udhna (UDN)	SPARME	110	UDN C&W Depot	A	140T DHBD CRANE	100
	Nandurbar	ARME Scale-1	110	Nandurbar	B	--	100
	--	--	--	Bilimora (BIM)	C (NG)	--	32
Vadodara	BRCP	SPART	105	---	---	---	---
	--	--	--	BRCY C&W Depot	A	140T DHBD CRANE	100
Ratlam	Ratlam (BG)	SPART	110	RTM C&W Depot	A	140T DHBD CRANE	100
	Ujjain (UJN)	ARME Scale-1	110	UJN C&W Depot	B	--	100
	COR (BG)	ARME Scale-1	110	COR C&W Depot	B	--	100
	--	--	--	DHD C &W Depot	C	--	100
	--	--	--	PTP Near (DADN)MG	C	--	50
Ahmedabad	Ahmedabad (BG)	SPART	110	--	--	--	--
	--	--	--	KKF Loco Shed	A	140T DHBD CRANE	100
	Gandhidham (BG)	SPART	110	GIM C&W Depot	A	140T DHBD CRANE	75
	Palanpur (BG)	ARME Scale-1	110	--	--	--	--
Rajkot	Rajkot (BG)	ARME Scale-1	110	RJT Loco Shed	A	140T DHBD CRANE	100
	Happa (BG)	SPART	110	--	--	--	--
Bhavnagar	Bhavnagar (BG)	SPART	110	BVC C&W Depot	A	140T DHBD CRANE	100
	Porbander (BG)	SPART	110	--	--	--	--
	Veraval (MG)	ARME Scale-1	75	VRL C&W Depot	B	--	50

- All 140 T cranes are fit to run at a speed of 100 kmph. {Except that of - GIM(B)} The max speed of GIM (B) ART is 75 kmph. with 140T Crane & 100 kmph. without Crane.
- 'C"-Class ART/NDB is upgraded to 'B"-Class ART/NDB.
- 'B"-Class ART/BVP is upgraded to 'A"-Class ART/BVP
- All ARTs, ARMES, SPARTs, SPARMEs and Crane follow the 'Maintenance and Operation Manual for 140T Cranes, ARTs, ARMES & SPARTs' --- IRCAMTECH/GWL/MECH/2022-23/ART/Manual/1.1 September, 2022

3.3 IMPORTANT LETTERS PERTAINING TO DISASTER MANAGEMENT

S. No	Subject	Letter No.	Dated
1.	Annual review and up-dation of Disaster Management Plan	Rly Bd's L.No. 2009/Safety(DM)/6/14	09.07.2015
2.	Hiring of Helicopter	Rly Bd's L.No. 2002/Safety-1/6/6	13.06.2004
3.	Requisitioning of Indian Airforce Aircrafts/Helicopter.	Rly Bd's L.No. 2002/Safety-1/6	05.12.2006
4.	Co-ordination with NDRF Battalions	Rly Bd's L.No. 2003/Safety/DM/6/3	13.06.2008
5.	Enhancement of ex-gratia	Letter No. 2011/TC-III/27/29/Ex-Gratia	26.07.2012& 07.05.2013
6.	MOU Between Rajasthan Govt. & Railway's Medical Authority.	L.No. CD/APD/03/1028	18.12.2003
7.	Letter of Directorate of Health Service, M.P. Govt. regarding assistance during passengers train railway accident.	L.No. 111/C-4/07/1533	27.02.2007
8.	Assistance of NDMA NDRF to handle railway related Disasters	L.No. 2003/Safety (DM)6/3	02/05.08.2010
9.	Definition of Railway Disaster and co-ordination of Disaster Management plans.	L.No. 2003/Safety (DM)6/2 pt.	06.01.2009
10.	Expeditions clearance by the state police in case of Railway accident.	L.No.2002/Sec.(Cr.)45/47	11.12.2002
11.	Clearance of State Police in case of Railway accidents due to suspected sabotage.	L.No. 2002/Sec.(Cr.)45/47	27.03.2003
12.	Coordination with defense service at the time of disaster.	L.No.2003/Safety (DM)6/4	03.02.2004
13.	Preservation of evidence during accident	L.No. 2-5(i)B 2016/1166	28.12.2016
14.	Checklist for the Divisional Safety officer subsequent to an Accident	L.No. 2002/Safety (DM)Misc.	30.01.2017
15.	Mock drill for ART/ARMV and full-scale Disaster Management exercise.	RB L.No. 2010/Safety (DM)/6/23	09.03.2017
16.	Safety guidelines for transporting hazardous chemicals by Rail.	RB L. No. 2008/Safety(DM)/Che.6/3Pt.	24.05.2017

17	Assistance of NDMA/NDRF to handle Railway related disasters.	RB L. No. 2003/Safety(DM)/6/3	30.08.2017
18	Mock Drill for ART/ARMV and full-scale disaster management exercises.	RB L. No. 2010/Safety(DM)/6/23	30.01.2020
19	Hon'ble Prime Minister's 10 - point Agenda on disaster related issues	RB L. No. 2020/Safety(DM)/6/14	31.08.2020
20	Standard Operating Procedure for Responding to Natural Disasters	RB L. No. 2020/Safety(DM)/6/14	11.08.2021
21	Assessment and evaluation of Disaster Management Exercises/Mock Drills.	RB L. No. 2019/Safety(DM)/6/4/CM	25.08.2022
22	Hiring of Services for Disaster Manangement Communication	RB L. No.2023/Tele/8(3)/2(3433098)	12.07.2023
23	Conduct of State Level mock Exercise on Cyclone in Maharashtra	RB L. No. 2021/Safety(DM)/6/14/DMP	27.10.2023
24	Identifying yards and placing flat wagons.	PCSO/WR L. N. SFT5/29/1/DMP	18.01.2023
25	Quality and information in the System Maps.	PCSO/WR L. N. SFT/518/60/1	19.01.2024

CHAPTER – 4**DATA BANK OF ZONAL RAILWAY****4.1 TELEPHONE NUMBER OF SENIOR OFFICERS OF MAHARASHTRA GOVT**

S.N.	Name /Designation	Office	Residence
1	Chief Minister	22025222 / 22025151 (3647 / 4334)	23634950, 23630408, 23621313, 23633051, 23634115, 23630958
2	IAS Ex-Officio President, Board of Governors, YASHADA & Chief Secretary, Government of Maharashtra, Mantralaya, Mumbai-400 032.	022-22025042/ 22793954/ 22028762 Fax: 022-22028594	
3	Additional chief Secretary	022-2288 6141	
4	Deputy Chief Minister	22020263 / 22025014 / 22022401 / 22024535 (3559)	23630609 / 23630286
5	Deputy Chief Minister	22871440 / 22875441 (3790)	23631606 / 23621612
6	Additional Chief Secretary (Home)	22048130	
7	Additional Chief Secretary Home (Appeals and Security)	02222821743	
9	Principal Secretary Home (Special)	22023572	
10	Maharashtra Police Headquarters Shahid Bhagatsingh Marg, Colaba, Mumbai, Maharashtra, India - 400001	Contact No. - 22822631, 22026636. Women Safety - 8976004111, 8657222777, 02245161635	
11	Mumbai City Police Commissioner, Mumbai: - Address: Opposite Crawford Market, Dr. DN Road, Fort-400001	Contact : 22620826, 22621855, 22621983, 22625020, 22641449, 2262011	
12	Mira Bhayandar Vasai Virar city Police Commissioner,	7021995352, 02229452135	
13	Mumbai railway Police Commissioner, Mumbai Railways	022-23759201 / 022-23759283	
14	Palghar Rural Superintendent of Police, Palghar Rural:-	8669604100	
15	Dhule Rural Superintendent of Police, Dhule	02562 288 200	
16	Nandurbar Rural Superintendent of Police, Nandurbar	02564-210113	
17	Jalgaon Rural Superintendent of Police, Jalgaon	0257-2223333 / 0257-2235232	
18	Municipal Commissioner MCGM	22-22620525, 22620251, 22754000, 9821107572	
19	Municipal Commissioner Mira -Bhayandar	022-28197635 022-28192828 Ext 128/129	
20	Additional Commissioner Muncpal corporation Vasai Virar City Municipal Corporation (Head Office)	0250-6630000 0250- 6814000 (South) 0250- 6814000 (North)	

4.2 TELEPHONE NOS. OF SENIOR OFFICERS OF GUJARAT GOVT. -**STD Code- 079**

TELEPHONE NUMBER OF STATE CIVIL AUTHORITIES (GUJARAT - STATE)			
S.N.	Designation	Telephone No. Office	Residence
1	Chief Minister	23232611 23232613 23250073 23250074 23222101(FAX)	079-23232601 23232602 23232603 23259531 23222020(Fax)
2	Deputy Chief Minister	23250110 23250111 23250112 23257616 (FAX)	23257145 23257146 23257147
3	Revenue and Disaster Management,	23250217 23250219 23250196 23250242 (FAX)	23259604 23259606 23259608
4	Principal Secretary (Personnel	23250313	
5	Principal Secretary (ARTD/NRI) (I/C)	23250333	
6	Secretary (Planning)	23250403	
7	Gujarat state Disaster Management Authority, Udyog bhavan Gandhi agar	23259276 23259275	
8	IMD (MET), Ahmedabad	22865165, 22867206, 22858020	22865449, 22864742
9	State Emergency Operation Centre (SEOC), Gandhi agar	23251900 /23251902 23251907/08 23251914	23251912, 23251916
10	DGP, Police Bhavan, G'nagar (State Control) DY. SP (I/C Control Room) 23254343	23246328 23246330/31	
11	GSRTC, Ahmedabad (1) Chief Traffic Commercial Manager (2) Transportation Supdt	22801264 (O)	22803057 (F)
12	Gujarat State Disaster Management Authority, (GSDMA) Chief Minister and Chairman-GSDMA	23250127 23250128 23250129 23250306-Fax	
13	Chief Executive Officer of GSDMA	23259276	99784 07791
14	PS to CEO GSDMA	23259276	9081018848
15	Director General (GIDM)	23275801/804	
16	Municipal Commissioner, Municipal Corporation, Surat	91-261-2422244 Fax: 91-261-2422110	9724345000
17	Surat Municipal Corporation HQ,	No.2423751 to 2423756, 2422285 to 2422287 Fax - 2451935, 2422110	

4.3 TELEPHONE NOS. OF SENIOR OFFICERS OF MADHYA PRADESH GOVT.**STD Code- 0755**

SECRETARIATE M.P. -STD CODE NO. 0755(Bhopal)			
Sr.	Designation	Tel. Nos. (Office)	Tel. Res.
1	Chief Secretary	2441370, 2441848	2441654
2	Addl. Secretary	2441085	2441514
3	Secretary (CM's Secretariat)	2441314	2420541
4	Addl Chief Secretary (Home)	2441619	2441714
5	DG Police	2441619	2441391
6	ADGP (Railway)	2443500	2443803
7	IG (Railway)	2443621	2443340
8	Principal Secretary (Med., Edu.)	2443622	2413003
9	Principal Secretary (Health, family welfare)	2441149	2421283
10	BPCL - Indore	2441071	-
11	HPCL- LPG Plant Indore	0731-2806076, 4021560, 2806470,4021365	2422169
12	Collector Indore	0731-2449111	0731-2700111 9425181300
13	Collector Ujjain	0734-2514000	0734-2513000 9423818855

4.4 TELEPHONE NOS. OF SENIOR OFFICERS OF RAJASTHAN GOVT.**STD Code- 0141**

SECRETARIATE RAJASTHAN - STD CODE NO. 0141(Jaipur)			
Sr. No.	Designation	Tel. No.s (Office)	Tel. Nos. (Residence)
1	Chief Secretary	2227254 FAX 2227114	2574477, 2561324
2	Addl. Chief Secretary	2227400	2700606
3	Secretary (CM'S Secretariat)	2227589	2700875
4	Addl. Secretary (Home)	2227112	2708787
5	DG Police	2606657/ 2607735	2574849
6	ADG (Railways)	2601394	2750554
7	Director (Information & PR)	2227057	2720515
8	Secy. (Medical Health & FP)	2221590, 2227722	2712420
9	Secy. (Medical Education)	2227292	2609494
10	Director (Medical Health)	2222817	2725584
11	Principal Secy. (Food)	2227722	2203345
12	Principal Secy. (Relief)	2227230	2290878
13	Collector Chittaur	0142-240001	0142- 240002 / 9828833330

4.5 TELEPHONE NOS. FOR SEEKING AIR SUPPORT IN CASE OF RAILWAY DISASTER

Sr.	Designation	Office	Residence
1.	Director (Operational Logistics) /HQ Integrated Defence Staff New Delhi	011-23018128	-
2.	Duty Officer (Maritime Operation Center) HQ-WNC Mumbai	022-22630550 22751705	-
3.	Pawan Hans Helicopters Ltd. Juhu Aerodrome S.V. Road Vileparle (W) Mumbai	022-26142614 26146211 26261800	-
4.	Deccan Chartered Ltd. Hanger No.8 Juhu Aerodrome Mumbai – 49.	9833434222 9740032073	-
5.	Executive Airways Pvt. Ltd. Malkani Chambers, Off Nehru Road, Near Domestic Airport, Vileparle (E) Mumbai	022-26193000 26175624 26163430	-

4.6 TELEPHONE NOS. RAILWAY BOARD.

MTNL STD Code-011
Railway STD Code -030

Sr. No.	Designation	Tel. Nos (Office)		MTNL Tel No. (Resi)	Fax	Mobile No.
		Railway	MTNL			
1	DG/Safety		23382674			8076049000
2	Principal Executive Director (Safety)	43302 47406	23381344 23047406	24107420	23386215	9310811279
3	ED (Safety)/S&T	47407	23047407	24624915	-	9717636898
4	ED(Safety) / Traffic	43446 47408	23389987	26882097	-	8882207156
5	ED(Safety) / Elect.	47427 43000	23047427			8920030843
6	ED(Safety) / Civil	45511 47425	47845511 23047425			9717630226
7	EDME(Safety)	47428	23047428		23047428	8851036848
8	JD(Safety)	455089	47845589			9910487354
9	DD(Safety)/ (A&R)- I	47415	23047415			9717649576
10	DD(Safety) /Inquiries	44480, 47417	23304480			9717647197
11	Control Office (Safety) Chief Controller	43599, 43399, 47423	23382638	-	-	

4.7 Telephone Nos. of AIR FORCE/ARMY/NAVY ASSISTANCE LIST

Telephone numbers of HQ Integrated Defence Staff at New Delhi

Director (Operational Logistics), Ministry of Defence**Office- 011- 23018128**

	Location	P&T	RLY
Station HQ	Mumbai	022-23014753	44927
Station HQ	Ahmedabad	079-22160567	093-41084 (also for Bhavnagar Division)
Station HQ	Mhow	0732 -226955	092-83278
Station HQ	Jaipur	0141-2386294	095-44052
Station HQ	Mumbai- CST	022-22690066	55986
Station HQ	Jamnagar	0288-2756908,	094-46205

NOTE: -Telephone numbers of Defence Formations are Junction Numbers. Operator may be asked for Station Commander, Adm. Commandant, or any Staff Officer for assistance.

4.8 DISASTER MANAGEMENT DIVISION, MHA**STD code-011**

Name, Designation and Address of the Officer	Office	Fax	E-Mail ID
GOVIND MOHAN Home Secretary	24010001 24010002	-	hshso@nic.in
DR. RAJENDRA KUMAR Secretary (Border Management & FFR)	24010053 24010054	-	secybm@nic.in
ANAND SWAROOP SS Special Secretary (Internal Security)	24010055 24010056	-	sois-mha@nic.in
Shri Sanjeev Kumar Jindal Add. Secretary (DM)	23092722 (NB)	-	
Dr. Rajesh Gupta Joint Secretary (DM)	23438096 (NDCC) 24010045 / 24010046 (Kartavya Bhawan-3)	-	jsdm@gov.in
Shri. Ashish V. Gawai, Dir (DM-I)	23438154	-	av.gawai@nic.in
Shri Pawan Kumar, Advisor (DM-II)	23438123	-	mk.pawan65@gov.in
Shri. Govind Prasad Uniyal, DIG Integrated Control Room for Emergency Response (ICR-ER)	23438252	-	gpuniyal.icr@mha.gov.in
Shri. Riazul Haque, Dy. Secretary (DM-III)	23438066	-	r.haque@gov.in
Shri. Neeraj Singh, DC (DM)	8130381460	-	nsb.mha@gov.in
Shri K.Vengadesan, DC - Tech Officer (ICR-ER)	23438252	-	icr-er@mha.gov.in
Shri. Rajdeep Chowdhary, DC - Tech Officer (ICR-ER)	23438252	-	icr-er@mha.gov.in
Shri R.Joses Vashum, Under Secretary (DM-I)	23438103	-	joses.v@nic.in
Shri. Gouri Shankar Jha, Under Secretary (DM-III)	23438144	-	usdm3-mha@nic.in

Shri. Sourabh Kumar, Under Secretary (DM-II)	23438177	-	sourabh.kumar@nic.in
Shri. Manoj Kumar Sing, AD (DM)	23438059	-	manoj.singh06@nic.in
Shri. Manoj Kumar, Section Officer (DM-I)	23438026	-	manoj.15@mha.gov.in
Shri. Ravi, Section Officer (DM-I)	23438026	-	raviverma.kumar52@gov.in
Shri. Ajay Kumar, Section Officer (DM-I)	23438106	-	ajay.kumar92@gov.in
Shri. Deepak Kumar, Section Officer (DM-II)	23438177	-	deepak.kumar86@gov.in
Shri S.P Singh, Section Officer (DM-III)	23438145	-	surinderpal.singh41@nic.in
Smt. Pragya Singh, Technical Officer - Monitoring (DM)	23438106	-	pragya.singh92@gov.in
Smt. Mavis Chiinhiannem, Senior Statistical Officer (DM-III)	23438145	-	mavis.nem@nic.in
Control Room National Emergency Response Center, Disaster Management Division	23438252, 23438253	-	
Control Room, NDRF Headquarters	24363260 24363261	-	
Control Room, NDMA	26701728 / 26701730	26701729	
Control Room, NDMA Helpline	1078		
State Control Room (Maharashtra)	(022)- 22027990, 9321587143		
State Control Room (Madhya Pradesh)	(0755)- 2441419 / 4926892, 7648861040		
State Control Room (Gujarat)	(079)- 23251900, 23251908		
State Control Room (Rajasthan)	(0141)- 2227296 / 5110869 / 2227084 / 2385776 / 2385777	2227230	

4.9 NATIONAL DISASTER MANAGEMENT AUTHORITY (NDMA)

STD -011

Name of Officer/ Designation	Tel (Office)	Email
Shri Krishna S. Vatsa, Member & HOD	26701785	krishna.vatsa@ndma.gov.in
Lt. Gen (Retd) Syed Ata Hasnain, Member	26701775	syedata.hasnain@ndma.gov.in
Dr Dinesh Kumar Aswal, Member	26701807	krishna.vatsa@ndma.gov.in
Ms. Rita Missal, Member	26701799	rita.missal@ndma.gov.in

Shri Manish Bhardwaj, IAS, Secretary	26701701	secretary@ndma.gov.in
Shri S Rakesh Kumar, IFS Advisor (Mitigation)	26701893	advisor.sar@ndma.gov.in
Shri S Rakesh Kumar, IFS Advisor (Policy & Plan and CBT)	26701864	jspp@ndma.gov.in
Shri Nawal Prakash Joint Advisor (PP) & Joint Advisor (CBT)	26701719	ja-cbt@ndma.gov.in nprakash@ndma.gov.in
Ms. Sreetama Samanta Under Secretary (PP)	26701762	us-policyplan@ndma.gov.in
Shri Sandeep Kumar Sharma Under Secretary (CBT)	26701730	cbt@ndma.gov.in
Shri V K Batolar Section Officer (CBT)	26701867	vk.batolar@ndma.gov.in
Ms. Sreyasi Chaudhuri Financial Advisor	26701777	fa@ndma.gov.in
Col Kirti Pratap Singh Advisor (Ops & Communication)	26701886	advopscomn@ndma.gov.in
Lt. Col Surya Prakash Pandey Joint Advisor (IT & Comn)	26701788	jaitcomn@ndma.gov.in
Ms. Mrinalini Shrivastava, IPS Director (International Cooperation)	26701709	director-prag@ndma.gov.in
Col Kirti Pratap Singh Advisor (RR)	26701886	advopscomn@ndma.gov.in
Dr.S.K. Jena Joint Advisor (RR)	26701794	jointadvisor.rr@ndma.gov.in
Col Kirti Pratap Singh Advisor (CBRN)	26701886	advopscomn@ndma.gov.in
Shri Ambuj Bajpai Deputy Secretary (CBRN)	26701879	ds-cbrn@ndma.gov.in
Shri Subhash Chand Under Secretary (CBRN)	26701885	us-cbrn@ndma.gov.in
Vacant Joint Advisor (Mitigation)	-	jamp@ndma.gov.in
Vacant Joint Advisor (Mitigation)	-	jampp@ndma.gov.in
Control Room	011-26701728 011-26701729 (F) 011-1078 9868891801 9868101885	controlroom@ndma.gov.in , ndmacontrolroom@gmail.com

4.10 NATIONAL DISASTER RESPONSE FORCE (NDRF)

S. No	Name of Officers/Designation and Location of Deployment	STD Code	Tele(O)	Unit Control Room no.	Fax Nos.
Hd. Qrs.	DG/NDRF, 6 th floor, NDCC-II Building, Jai Singh Road, New Delhi - 110001	011	23438020 23438119	23438091 23438136	23438091
1.	Commandant, 1 st Bn NDRF Patgoan PO Azara, Distt. Kamrup Metro, Guwahati-781017.	0361	07637011337 09435117246	2840027	2840284
2.	Commandant, 2 nd BN NDRF, Near RRI Camp. Haringhata, Mohanpur, Nadia, West Bengal Pin - 741246	033	25875032 09474061104 09474116775	25875032	25875032
3.	Commandant, 3 rd BN NDRF PO-Mundali, Cuttack, Odisha Pin - 754013	0671	2879711 09437581614	2879710	2879711
4.	Commandant, 4 th BN NDRF PO-Suraksha Campus, Arrakonam, Distt. Ranipet, Tamilnadu - 631152	04177	246169	246594 09442140269	246594
5.	Commandant, 5 th Bn NDRF, Sudumbare, Taluka- Maval, Distt – Pune (Maharashtra) Pin. 412109	-	09423506765 09479001168	09422315628 09422318427	-
6.	Commandant, 6 th Bn NDRF Jarod Camp, Teh-Wagodia, Vadodara, Pin - 391510	02668	299201 09870006730	09429199493	-
7.	Commandant, 7 th Bn NDRF Bibiwala Road, Bhatinda (Punjab) Pin - 151001	0164	2246193 2246570	2246030	2246570
8.	Commandant, 8 th Bn NDRF Kamla Nehru Nagar, Ghaziabad, (UP) Pin - 201002	0120	2766618 09412221035	2766013	2766012
9.	Commandant, 9 th Bn NDRF, Bihata Patna, Bihar, Pin - 801103	06115	253939	08544415050 08544415049	253939
10.	Commandant, 10 th Bn NDRF Village Kondapavuluru, PO- Surampalli, Gannavaram Mandal Krishna (AP) PIN - 521212	-	08333068559 08333068540 08897900037	-	-
11.	Commandant, 11 th Bn NDRF, Sanskritik Sankul, Maqbool Alam Road, Varanasi, U.P. Pin - 221002	0542	2501101 08004931410	2501202	2501101
12.	Commandant, 12 th Bn NDRF, Itanagar, Arunachal Pradesh. Pin - 791112.	0360	2999545 09485235464	2999577	2277106
13	Commandant, 13 th Bn NDRF, Ladhowal, Ludhiana, Punjab-141008	0161	2921305	2921304	-

14	Commandant, 14 th Bn NDRF, Nurpur, Jassur, Kangra, Himachal Pradesh PIN- 176201	01893	292478	292602	-
15	Commandant, 15 th Bn NDRF, PO-Gadarpur, Distt-Udhamsingh Nagar, Uttarakhand PIN- 263152	05949	231199	231198 07579098442	-
16	Commandant, 16 th Bn NDRF, Near Dada Dev Mandir Road, Sector-7, Dwarka New Delhi, PIN-110077	011	20892672	20893564	20892672

4.11 TSUNAMI WARNING CENTRE, HYDERABAD**STD -040**

Name, Designation and Address of the Officer	Telephone Number		Mobile	Fax
	Office	Residence		
Dr. M. Ravichandran Chairman INCOIS Indian National Centre for Ocean Information services shailesh@incois.gov.in	011 24629772	--	--	--
Dr. Balakrishnan Nair T.M Dir. INCOIS Indian National Centre for Ocean Information services director@incois.gov.in	040-23886001 040-23886001	--	--	--
Control Room Tsunami Warning Centre (operation Centre)	23895011 23895019	--	--	--

4.12 SNOW & AVALANCHE STUDY ESTABLISHMENT CHANDIGARH (DRDO)**STD -0172**

Name, Designation and Address of the Officer	Telephone Number		Mobile	Fax
	Office	Residence		
N Kumar Director	2699804 2299801 Extn - 204	2701374		2699970
Rajesh Chand Thakur TO (B)	Extn-203			

4.13 GEOLOGICAL SURVEY OF INDIA

Name, Designation and Address of the Officer	Telephone Number		Mobile	Fax
	Office	Residence		
Director General Kolkata	(033)- 2252 1779	--	-	033- 2252 1714
Add. D G and HoD, CHQ	(033)-22520694	-	-	033-22520692
Add. I D G (PSS)	(033)-22520374	-	-	-
Add D G and HoD, Western Region	(0141)-2708386	--	--	--
DMS Control Room (Delhi)	29962671	--	--	29962671

4.14 INDIAN METEOROLOGICAL DEPARTMENT**STD -011**

INDIAN METEOROLOGICAL DEPARTMENT			
S.N.	Name/Design	Telephone number	FAX number/e mail
1	Office of Director General of Meteorology India Meteorological Department (IMD) Mausam Bhawan, Lodhi Road, New Delhi - 110003	For Weather Related 011-24344599 For Cyclone 011-24344377/4599 011-24344377/4598	wxchannel@gmail.com cyclonewarningdivision@gmail.com cwdhq2008@gmail.com
2	State Level Forecast -Gujarat	079-29705010	metahm01@gmail.com
3	Regional Meteorological Centre, Near R. C. Church, Next to Ashwini Naval Hospital Colaba, Mumbai - 400005	022-22150431/22174719	acwc.mumbai@gmail.com
4	Director General of Meteorology, Mausam Bhavan, Lodhi Road, New Delhi 11000	011- 24611842, 24344253 011- 24344225 9868623475, 9868733464	dgm.met@imd.gov.in
5	Scientist-F; Head R.M.C. MUMBAI	022- 22150517, 9167751076	rmcmumbai @imd.gov.in
6	Scientist-D; ACWC, Mumbai	022- 22150431 (Ext. 702) 9869044756	
7	Scientist-D; ACWC, Mumbai	022- 22174709 (Ext. 709) 9745304441	
8	Scientist-C; ACWC Mumba	022- 22174729 (Ext. 729) 9873625615	
9	Director General of Meteorology, Mausam Bhavan, Lodhi Road, New Delhi 11000	011- 24611842 011- 24344253 011- 24344225 9868623475 9868733464	dgm.met@imd.gov.in

4.15 CENTRAL WATER COMMISSION**STD -011**

Name, Designation & Address of Officer	Designation	Telephone Number Office	Email
Sh. Anupam Prasad	Chairman	26715351	chairman-cwc@nic.in
Sh. Bhopal Singh	Member (D&R)	2086 1755	memberdr-cwc@nic.in
Sh. Anupam Prasad	Member (RM),	20861749	mrmm@nic.in
Sh. Yogesh Paithankar	Member (WP&P)	26108590 20861746 20105896	mwp@nic.in
Sh. V. D. Roy	CE-FMO	26102112	cefmgmt@nic.in
Sharad Chandra	Commissioner (FM)	24368238	commer-mowr@nic.in
Manoj Kumar	SJC (FM)	24362539	sjcfm4-mowr@gov.in manoj.kumar21@nic.in
R. R. Sambharia	SJC (FM)	24360611	sjcer1-mowr@nic.in
Rajesh Kumar	SJC (FM)	24362160	sjcer2-mowr@nic.in
Ishan Srivastava	Dy. Commissioner (FM)	24363003	dcfm2-mowr@nic.in
Shyam Sunder	Under Secretary (FM)	24362517	shyamsunder2@prasarbharati.gov.in
Shashank Goyal	Section Officer (FM)	24362517	er-mowr@nic.in
Ankit Kumar	Assistant Director (FM)	24361393	ankitkr93-cwc@gov.in
	Central Flood Control Room	29583666	

4.16 INTEGRATED DEFENCE STAFF**STD -011**

Name, Designation and Address of the Officer	Telephone Number		Mobile	Fax
	Office	Residence		
DCIDS (Ops)	23013947 E-35886	--	--	--
ACIDS (Jt. Ops)	23011442 E-35894	--	--	--
DACIDS (Ops Lgs)	23005134	--	--	23005226
Dir (Ops Lgs)	23005126	--	--	23005127
Jt. Dir (Ops Lgs)	23005133	--	--	23005239
Ops Room (Hqr IDS)	23005131	--	--	23005137
	23005114			24605147

4.17 ARMY HQR (EXCHANGE NOS – 23010131 / 23018197)**STD -011**

Name, Designation and Address of the Officer	Telephone Number		Fax
	Office	Residence	
DGMO	23011506 E-33170	23017563	23011506
ADGMO (A)	23011611 E-33174	26152617	23011611
ADGMO (B)	23014891 E-33176	26598295	23014891
Dir MO -6	23018034 E-33220	--	23018034
GSO-1 MO- 6	23019739 E-33221	--	23019739
Asstt. Dir OL -2	23012043		23012043

4.18 AIR HQR (EXCHANGE NOS – 23010231 / 23060231)**STD -011**

Name, Designation and Address of the Officer	Telephone Number		Fax
	Office	Residence	
DG (Ops)	23014424, 23010231 / 7528	24640124	23017627
PD Ops (Off) (T&H)	23015104, 230110231 / 7559	28053931	-
Dir Ops (T)	23063709, 23010231 / 7545	28084211	-
Dir Ops (H)	23014845, 23010231 / 7551	25682811	-
JD Ops (LS)	23060141, 23010231, 7546,	2983163	23016354
OPS Room	011-23013680		

4.19 NAVAL HQR (EXCHANGE NOS – 23010121 / 23014167)**STD -011**

Name, Designation and Address of the Officer	Telephone Number		Mobile	Fax
	Office	Residence		
DGNO	23011477	23792117	9818670792	--
PDNO	23011706	64640180	9971126339	23793007
DNO	23010101	--	9313440987	--
OPS Room	23011251, 23013540			

4.20 NIDM**STD- 011**

Name, Designation and Address of the Officer	Office	E- mail
Shri Madhup Vyas, IAS, ED	20873401	ed.nidm@nic.in
Col. Palagani Srinivasulu Reddy Joint Director (Southern Campus)	-	jdsouth.nidm@nic.in
Col. Manoram Yadav, SM Joint Director (Delhi)	20873403	jd.nidm@nic.in

4.21 COAST GUARD HQ (EXCHANGE NOS 23385312/ 23384174)**STD- 011**

Name, Designation and Address of the Officer	Office	E- mail
Director General	(011) 23382546	So-dg@indiancoastguard.nic.in
Additional Director General	(011) 23115013	So-adg@indiancoastguard.nic.in
Deputy Director General (Operations & Coastal Security)	(011) 23115081	-
Deputy Director General (Aviation)	(011) 23115351	-
CGC (Western Sea Board)	(022) 24370842	SO-CGCWS@indiancoastguard.nic.in
CGC (Eastern Sea Board)	(0891) 2954700	SO-CGCES@indiancoastguard.nic.in
Commander CGRHQ (NW), Gandhi Nagar	(079) 23241701	Rhq-nw@indiancoastguard.nic.in
District Commander CGDHQ-1 Porbandar	(286) 2241793	Dhq1@indiancoastguard.nic.in
District Commander CGDHQ-15 Okha	(2892) 262257	Dhq15@indiancoastguard.nic.in
Public Relation Officer	23115147	

4.22 SHIPPING**STD Code-022**

Name, Designation and Address of the Officer	Office	Mobile	E-mail
Shri Shyam Jagannathan, DG	25752005 25752010	9435119100	dg-dgs@gov.in
Addl. Director General	25752007	=	addldg-dgs@gov.in
Capt. Abul Kalam Aazad Nautical Advisor	25752009	9869064561	abulkalam.azad@gov.in
Chief Surveyor-cum-Addl. DG (Engineering Wing)	25752008	9446121550	cs-dgs@nic.in
Chief Ship Surveyor (Naval Architecture Wing)	25752006	9388539955	pradeepsk-dgs@gov.in

4.23 CHEMICAL DISASTERS: NODAL MINISTRY: Ministry of Environment, Forest and Climate Change**STD Code: 011**

Sr. No.	Name & Designation (Hazardous Substances Management Division)	Office	E- mail
1.	Mr. VIR VIKRAM YADAV Additional Secretary	20819211	vv.yadav@nic.in
2.	Mr. NEELESH KUMAR SAH (Joint Secretary)	20819220	sahnk[at]cag@gov.in
3.	Mr. VINOD K. SINGH (Scientist F)	20819342	vinodsingh.77@gov.in
	Mr. AMIT LOVE (Scientist E)	20819353	amit.love@nic.in
	Ms. BHAWNA SINGH (Scientist E)	20819415	bhawna.singh@gov.in
	Mr. N. SUBRAHMANYAM (Scientist E)	20819269	n.subrahmanyam@gov.in
	Mr. VARUN BHATIA (Section Officer)	20219250	b.bhatia88@gov.in
4.	NDRF Control Room	24363260	--

4.24 Biological Disasters: Nodal Ministry: Ministry of Health & Family Welfare**STD Code: 011**

Sr. No.	Name & Designation	Telephone		Mobile	Fax
		Office	Residence		
1.	Joint Secretary	23061195	26889166	9818778177	--
2.	Addn. DDG & Director EMR	23061302	45639559	--	23061469 Control Room
3.	MHA control Room: 1070 (Toll Free)	23093563	--	--	--
4.	NDRF Control Room	24363260	--	--	--

4.25 Nuclear/Radiological Disasters: Nodal Board: Atomic Energy Regulatory Board (AERB)**STD Code: 022**

Sr. No.	Name & Designation	Office	Mobile	Fax	E mail
1.	Department of Atomic Energy Emergency Control Room (DAE- ECR) Main 24*7	22023978 22862595	9969201364	2283 0441 2286 2555	daeecr@dae.gov.in
2.	Department of Atomic Energy Emergency Control Room (DAE- ECR) Alternate	6399 1570 2556 3350	9619201365	63991080 25515283	vsbecr@npcil.co.in
3.	MHA control Room: 1070 (Toll Free)	23093563	--	--	
4.	NDRF Control Room	24363260	--	--	

4.26 ZONAL NODAL OFFICERS NUMBERS OF ALL ZONAL INDIAN RAILWAYS

Zonal Railway	Nodal Officer	Mobile No.	Coordinating Officers	Contact Number of Coordinating officer
Central Railway, Mumbai	PCSO	8828110730	Dy. CSO/T	8828110731 022-22697276 (P&T)
East Central Railway, Hajipur	PCSO	9771425940	Dy. CSO/Mech.	9771425944 06224-23316 (P&T)
East Cost Railway, Bhubaneswar	PCSO	8455885940	Dy. CSO/Mech.	8455885943 0674-54564 (P&T)
Eastern Railway, Kolkata	PCSO	9002020990	Dy. CSO/Mech.	9002020994 033-22316056 (P&T)
North Central Railway, Allahabad	PCSO	9794835902	Dy. CSO/T	9794835911 0532-23415 (P&T)
North Eastern Railway, Gorakhpur	PCSO	9794840901	Dy. CSO/Mech.	9794840412 0551-2208359 (P&T)
North Western Railway Jaipur	PCSO	9001195910	Dy. CME/Safety	9001195912 0141-25664 (P&T)
Northeast Frontier Railway, Guwahati	PCSO	9957550730	Dy. CSO/Traffic	9957550731 0361-2675359 (P&T)
Northern Railway, New Delhi	PCSO	9717630904	Dy. CSO/Mech.	9717630420 011-2381597 (P&T)
South Central Railway, Secunderabad	PCSO	9701370730	Dy. CME/Safety	9701370734 040-86424 (P&T)
South East Central Railway, Bilaspur	PCSO	9752475550	Dy. CSO/Traffic	9752475554 07752-63462 (P&T)
South Eastern Railway, Kolkata	PCSO	9002080660	Dy. CSO/Mech.	9002080664 033-44356 (P&T)
South Western Railway, Hubli	PCSO	9731665730	Dy. CSO/Mech.	9731668731 0836-26156(P&T)
Southern Railway, Chennai	PCSO	9003060940	Dy. CSO/Mech.	9003060944 044-28192281 (P&T)
West Central Railway Jabalpur	PCSO	9752415650	Dy. CSO/Mech	9752415652 0761-54216 (P&T)
Western Railway, Mumbai	PCSO	9004490730	Dy. CSO/Traffic	9004490731 022-22030152 (P&T)

CHAPTER – 5**DATA BANK OF MUMBAI DIVISION****5.1 LIST OF IMPORTANT TELEPHONES OF RAILWAY OFFICERS (SUBURBAN SECTION)**

LIST OF IMPORTANT TELEPHONE NUMBERS OF RAILWAY OFFICERS (CCG-VR section)								
S.N	DESIGNATION	P&T (MTNL/BSNL)		FAX No	RAILWAY PHONE No		FAX No	CUG
		STD Code	Telephone No.		STD Code	Telephone No.		
1	DRM	022	23002977	NA	090	44000	NA	9004499000
2	ADRM(OP& HR)	--	--	NA	090	44544	NA	9004499003
3	ADRM (RS)	022	23070553	NA	090	44001	NA	9004499001
4	CPM(Gatishakti) & ADRM (INFRA-II)	022	23095091	NA	090	44025	NA	
5	ADRM (INFRA-I)	022	23009308	NA	090	44004	NA	9004499004
6	DY.CE/GS (Gatishakti)	--	--	NA	090	45745	NA	9004499218
7	Sr.DMM	--	--	NA	090	44003	NA	9004499006
8	Sr.DFM	--	--	NA	090	44100	NA	9004499100
9	Sr.DCM	--	--	NA	090	44200	NA	9004499950
10	Sr.DPO	--	--	NA	090	44700	NA	9004499600
11	Sr.DSO	--	--	NA	090	44950	NA	9004499020
12	Sr.DOM	--	--	NA	090	44600	NA	9004499900
13	Sr.DOM/G	--	--	NA	090	44601	NA	9004499901
14	Sr.DEN(Co.)	--	--	NA	090	44400	NA	9004499200
15	DEN/Bridge	--	--	NA	090	44414	NA	9004499208
16	Sr.DEN(South)	--	--	NA	090	44402	NA	9004499202
17	Sr.DEN(N)	--	--	NA	090	44401	NA	9004499201
18	Sr.DEN(E)	--	--	NA	090	44403	NA	9004499203
19	DEN(Est./S)	--	--	NA	090	44451	NA	9004499209
20	DEN(Est./N)	--	--	NA	090	44409	NA	9004499206
21	DEN (Central)	--	--	NA	090	44406	NA	9004499207
22	Sr.DEE(P)	--	--	NA	090	44300	NA	9004499310
23	Sr.DEE/Chg.	--	--	NA	090	44304	NA	9004499304
24	Sr.DEE/RS/MMCT	--	--	NA	090	44303	NA	9004499303
25	Sr.DEE/RS/VR	--	7021314068	NA	090	39501	NA	9004499318
26	Sr.DEE/Op.	--	--	NA	090	44301	NA	9004499301
27	Sr.DEE/Sub.	022	23090661	NA	090	44302	NA	9004499302
28	Sr.DEE/TRD(N/S)MMCT	---	--	NA	090	44313	NA	9724099305
28	Sr.DSTE(Co.)	--	--	NA	090	44800	NA	9004499800
29	Sr.DSTE(N)	--	--	NA	090	44801	NA	9004499801
30	Sr.DSTE(S)	--	--	NA	090	44890	NA	9004498800
31	Sr.DME(Co.)MMCT	--	--	NA	090	44500	NA	9004499400
32	Sr.CDO/MMCT	--	--	NA	090	44501	NA	9004499401
33	Sr.CDO/BDTS	--	--	NA	090	47600	NA	9004499405
34	DME/D/BA	--	--	NA	090	47617	NA	9004499404
35	Sr.DSC	--	--	NA	090	44900	NA	9004499700
36	MD/JRH	022	23078550	NA	090	43100	NA	9004490520

37	CMS/MMCT	--	--	NA	090	44280	NA	9004490500
38	ACMS(A)	--	--	NA	090	44281	NA	9004499512
39	ACMS/BA	--	--	NA	090	47470	NA	9004490566
40	ACMS/BA	--	--	NA	090	47472	NA	9004499504
41	ACMS/BA	--	--	NA	090	47472	NA	9004499519
41	ACMS/BVI	--	8356833656	NA	090	34070	NA	9004499508

LIST OF IMPORTANT TELEPHONES OF RAILWAY OFFICERS (NON- SUBURBAN)

LIST OF IMPORTANT TELEPHONE NUMBERS OF RAILWAY OFFICERS (Non- Suburban)								
S.N.	Designation	BSNL		FAX No.	Railway Phone		FAX No.	Mobile No.
		STD Code	Telephone No.		STD Code	Telephone No.		
1	ARM/BL	02632	253778		090	49000	--	9724099901
2	CMS/BL	02632	243181			49239	--	9724099531
3	Sr.DEE/TRS/BL	02632	222315			49055	--	9724099300
4	AXEN/ ZMC/BL	--	--			49212	--	9724090227
5	Sr.Consultant/UDN	0261	2277670			41815	--	9724099545
6	ACMS/ST	0261	2540685			41230	--	9724099534
7	ACMS/NDB	02564	225788			49825	--	...
8	ARO/ST	0261	2422373	2422373		41200	41500	9724099903

5.2 Railway Station with MTNL/BSNL and Auto Phone Numbers (Suburban Section)

RAILWAY STATION WITH MTNL/BSNL AND AUTO PHONE NUMBERS (CCG-VR section)							
S. N.	Name of Station	Station Code	MTNL/ BSNL	MTNL/BSNL	Railway Phone STD Code 090	Mobile No.	
			STD Code			Station Master	Traffic Inspector
1	CHURCHGATE	CCG	--	7021312762	22792/22554	9004498922	TI-GTR 900449992 1
2	MARINE LINES	MEL	--	7021313080	22572/22798	9004498936	
3	CHARNI ROAD	CYR	--	7021313146	22919	9004498935	
4	GRANT ROAD	GTR	--	9372508861	43602/43603	9004498944	
5	MUMBAI CENTRAL(LOCAL)	BCL	--	--	45503	9004498918	
	MUMBAI CENTRAL(MAINS)	MMCT	--	8356830875	44635/ 44637		
	MUMBAI CENTRAL(CYM)	BCT(M)	--	--	44644/ 44645	9004471922	
6	MAHALAXMI	MX	--	9372508862	46603	9004498927	
7	LOWER PAREL	PL	--	9324917205	40503/ 40505/ 46600	9004498931	
8	PRABHADEVI	PBHD	--	9372508869	40602	9004498929	
9	DADAR	DDR	--	9372508873	40703/40704	9004498930	
	DADAR JUNCTION	DDR	--	--	40724		
10	MATUNGA ROAD	MRU	--	9372508874	48003	9004498920	
11	MAHIM	MM	--	9372508906	48503/48502	9004498938	
12	BANDRA	BA	--	7021313160	47403/47402	9004498926	
13	BANDRA TERMINUS	BDTS	--	7021313196	47603/47602	9004499938	
14	KHAR ROAD	KHAR	--	9372508897	47702	9004498937	
15	SANTACRUZ	STC	--	9324917206	31503/31502	9004498923	
16	VILE PARLE	VLP	--	9372508885	32002	9004498933	
TI-ADH 900449991 3							

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17	ANDHERI	ADH	--	9372508892	30002/30003	9004498940	TI-BVI 900449992 4
18	JOGESHWARI	JOS	--	7021313374	35502	9004498932	
19	RAM MANDIR	RMAR	--	9372508896	35302	9004449042	
20	JOGESHWARI AT	JOS	--	9372508895	35316	9004498939	
21	GOREGAON	GMN	--	7021313516	35003/35002	9004498945	
22	MALAD	MDD	--	7021313426	33003	9004498941	
23	KANDIVALI	KILE	--	8356833848	33503/33502	9004472645	
24	BORIVALI	BVI	--	8356833725	34003/34002	9004498943	
25	DAHISAR	DIC	--	8356834015	36002	9004498925	
26	MIRA ROAD	MIRA	--	9324921668	36502	9004449163	
27	BHAYANDAR	BYR	--	7021314096	37003/37002	9004498946	
28	NAIGAON	NIG	--	7021313526	37502	9004471921	
29	VASAI ROAD(SS)	BSR	--	--	38002	9004471924	
	VASAI ROAD(ASM)	BSR	--	7021313596	38003	--	
30	NALLASOPARA	NSP	--	7021313958	38502/38505	9004498928	
31	VIRAR	VR	--	7021313998	39003/39002	9004498934	

RAILWAY STATION WITH BSNL AND AUTO PHONE NUMBER (VTN-ST-NDB-JL section)							
S. N.	Name of Station	Station Code	STD Code	Telephone No.	Railway Phone STD Code:090	Mobile No.	
						Station Master	Traffic Inspector
1	VAITARNA	VTN	--	8655490588	39061	9004471925	TI-DRD 9004471916
2	SAPHALE	SAH	--	9324946973	39062	9004471926	
3	KELVE ROAD	KLV	--	9426331926	39063	9004471927	
4	PALGHAR	PLG	--	9324921675	39064, 49701	9004471929	
5	BOISAR	BOR	--	9324921670	39065	9004498921	
6	VANGAON	VGN	--	8655393459	39066	9004471930	
7	DAHANU ROAD	DRD	--	9324921678	49510, 49605, 49601	9004471931	
8	GHOLVAD	GVD	--	9324922472	49509	9004471932	
9	UMARGAON ROAD	UBR	--	9324946974	49508	9724099925	
10	SANJAN	SJN	--	9324922473	49507	9724099926	TI-BL 9724099906
11	BHILAD	BLD	--	9324922474	49506	9724099927	
12	KARAMBELI	KEB	--	9408556043	49505	9724099933	
13	VAPI	VAPI	0260	2462341	49504, 49653	9724099929	
14	UDVADA	UVD	--	8655394025	49503	9724099492	
15	PARDI	PAD	--	8655394489	49502	9724099928	
16	ATUL	ATUL	--	8655394554	49501	9724099932	
17	VALSAD	BL	02632	244117	49006, 49007, 49334	9724099907	
18	DUNGRI	DGI	--	9324946977	41739	9724099014	
19	BILIMORA JUNCTION	BIM	--	8655394065	41738	9724099015	TI-ST 9724099904
20	WAGHAI	WGI	--	8655394083	--	--	
21	AMALSAD	AML	--	8655394057	41737	9724099936	
22	VEDCHHA	VDH	--	8655393843	41736	9724099937	
23	NAVSARI	NVS	--	8655394177	41365	9724099938	
24	MAROLI	MRL	--	8655394122	41364, 41773	9724099940	
25	SACHIN	SCH	--	8655394185	41363	9724099939	

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26	BHESTAN	BHET	--	8655394454	41362	9724099941	
27	UDHNA	UDN	0261	2277208	41803, 41805	9724049073	
28	SURAT	ST	0261	2413525 2450144	41202	9724099942	
29	CHALTHAN	CHM	02622	281334	41401	9724099985	
30	GANGADHARA	GGAR	02622	262316	41402	9724099986	TI-VYA 972409990579 76095199
31	BARDOLI	BIY	02622	220057	41403	9724099987	
32	TIMBARVA	TBV	--	9324922490	41417	9004473991	
33	MADHI	MID	--	8169423023	41404	9724099988	
34	LOTARVA	LTV	--	9408533291	41415	9004473992	
35	VYARA	VYA	02626	220007	41405	9724099989	
36	KIKAKUI ROAD	KKRD	--	8655394279	41406	9724099990	
37	UKAI SONGARH	USD	--	8655394289	49860, 49894	9724099991	
38	LAKKAD KOT	LKKD	--	8356834005	41407	9724099992	TI-NDB- 97240491200
39	BHADBHUNJA	BBAI	--	8356834008	41409	9724099993	
40	NAVAPUR	NWU	--	8356834012	49817	9004471933	
41	KOLDE	KFF	--	8356834013	49851	9004471934	
42	CHINCHPADA	CPD	--	8356834020	49850	9004471947	
43	KHATGAON	KHTG	--	8356834023	49849	9004471936	
44	KHANDBARA	KBH	--	8356834030	49848	9004471937	
45	BHADVAD	BAWD	--	8356834032	49847	9004471938	
46	DHEKWAD	DWD	--	8356834069	49846	9004471939	
47	NANDURBAR	NDB	02564	222222	49804	9004471940	
48	CHOUPALE	CUE	--	8356834070	49854	9004474211	
49	TISI	TISI	--	8356834083	49855	9004471942	
50	RANALA	RNL	--	8356834091	49858	9004471943	
51	DONDICHE	DDE	02566	244043	49857	9004471944	
52	VIKHRAN ROAD	VKH	--	8356833940	42731	9004471945	TI-AN 9724049120
53	SINDKHEDA	SNK	--	8356833942	42732	9004471944	
54	HOL	HOL	--	8356833623	42730	9518731130	
55	NARDANA	NDN	--	8356833628	42733	9004471987	
56	PADSE	PDP	--	8356833645	42734	9004471949	
57	BHORTEX	BRTK	--	8356833663	42735	9004471985	
58	AMALNER	AN	02587	223346	42716	9004471986	
59	TAKARKHEDE	TKHE	--	8356833664	42737	9004471948	
60	DHARANGAON	DXG		9324918003	42738	9004471988	
61	CHAVALKHEDE	CHLK	--	8356833587	42749	9004471989	
62	PALDHI	PLD		9324917210	42740	9004471990	
63	NIOL	NOL	--	8356834157	41464	--	

5.3 Telephone Numbers of Police station near by Railway station.

SN	Name of Stn	Stns. Code	Nearby Police Station	P&T No.		Mobile No.
				STD Code	Phone No.	
01	Churchgate	CCG	Azad maidan			8976947178
			Marine line	022	22880265	
02	Marine Lines	MEL	L T Marg Police Stn	022	22084302 22880265	-
03	Charni Road	CYR	VP.Road	022	23821312	
			D.B.Marg	022	23867873	
04	Grant Road	GTR	Gaon Devi	022	23803505	
			D.B Marg	022	23870181	
05	Mumbai Central	MMCT	Tardeo(W)	022	23512109	9870210999
			Agripada(E)	022	23078313	9870088560
			Nagpada	022	23078019	9870088560
06	Mahalaxmi	MX	Agripada	022	23070532	
			MMCT Nagpada	022	23078190	
			Tardeo	022	23525527	
07	Lower Parel	PL	N M Joshi	022	22620111	7506017766
08	PrabhaDevi	PBHD	Dadar (W)	022	24227229	
			Bhoiwad	022	241144220	7506017766
			N M Joshi	022	23085732/ 22620111	
09	Dadar	DDR	Dadar(W)	022	24301403	
10	Matunga Road	MRU	Shivaji Park	022	24362515/ 24370641/ 4229059	
11	Mahim	MM	Shahunagar Mahim (East)	022	24073378/ 24043624	9870334255/ 9821078848
			Mahim(W)	022	24456237/ 24449821	
12	Bandra	BA	Hill Road	022	22620326	
			Bandra (W)		22707713	
			GRP (BA)	022676	474161	
13	Bandra Terminus	BDTS	Nirmal Nagar	022	26470931	818475370
14	Khar Road	KHAR	Khar (W)	022	26494977	
			Nirmal Nagar	022	26470871	
15	Santacruz	STC	Santacruz police stn	022	26493139	8976951981/86 89807776
			Vakola Police stn(E)	022	26683257	8976947972/78 88042911
16	Ville Parle	VLP	East-West-Juhu	022	26117317	8976951982
17	Andheri	ADH	DN Nagar, Andheri west	022	26304002 26831562 26842677	-
18	Jogeshwari	JOS	west	022	26762002	-
			East	022	28221672	-
19	Rammandir	RMAR	Vanrai GMN POLICE(E)	022	26862134	8976952423
			GMN (W)	022		9702111823
20	Goregaon	GMN	GMN(W)	022	28721900	

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			Vanrai	022	26862933	9920651232
21	Malad	MDD	Dindoshi	022	28770781	
		MDD(W)	Polisher	022	28821197	
22	Kandvali	KILE	Samantanagar police stn		02228876119 02228056603	
23	Borivali	BVI	BVI police Stn(W)	022	28930145	
			BVI Police Stn (E)	022	28930145	
24	Dahisar	DIC	Dahisar (E)	022	28284024	
			Dahisar (W)/MHS colony	022	28677402	
25	Mira Road	MIRA RD	Naya Nagar	022	28126767	8657936949
26	Bhayandar	BYR	Byr(E) Police Navghar	022	8655727600	8657936952
			BYR(W) Police stn	022	8657936951	8655727804
27	Naigaon	NIG	Mahalepur	0250	2332110	
28	Vasai Road	BSR	Vasai-West	0225	251100	8669604001 8828001000
29	Nallasopara	NSP	West	-	-	8655727618
			East	-	-	8655727587
30	Virar	VR	City police, Virar(East)	0250	2528222	8655727616
31	Vatiarnea	VTN	SAH Police			8669604037
			VR Police	0250	2528222	8669604021
32	Saphale	SAH	SAH police	02525	530255	
33	Kelva Road	KLV	SAH Police			8669604037
34	Palghar	PLG	Palghar Police stn	-	-	8669604033
35	Boisar	BOR	Boisar Police Stn	-	-	8669604044
			Tarapur Police stn	-	-	8669604046
36	Vangaon	VGN	VGN Police	0258	244047	9975201792
37	Dahanu Road	DRD	DRD Police stn	02528	-	8669604052
38	Golvad	GVD	Gholvad police			8669604054
39	Umbargaon Road	UBR	Umbargam Police stn	0260	2562323/ 2562333/	7016454078
40	Sanjan	SJN	Ubr police station			7016454078
41	Bhilad	BLD	City police Bhilad			9510123641
42	Karambeli	KEB	City police Vapi			6359626125
43	Vapi	VAPI	GRP vapi			9913542511
			City police Vapi			6359626125
44	Udwada	UVD	Pardi Police stn	02632	2373433	
45	Pardi	PAD	Pardi	0260-	2373433	9978791799

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			Valsad rural	02632-	244298	
46	Atul	ATUL	sp/valsad	02632-	253333	9978405085
			Valsad rural	02632-	244298	
47	Valsad	BL	Valsad police stn	02632	253333	9978405085
			Valsad City police stn	02632	244233	8980708345
			Valsad Rural Police stn	02632	244298	
			BL GRP	02632	223358	9825988944
48	Dungri	DGI	dungri	02632-	285394	7405568041
49	Bilimora	BIM	BIM city Police stn	02634	285333	6359626579
			Gandevi rural police stn	02634	262233	6359626577
50	Waghai	WGI	Wagai Police stn	02631	246233	6359625699
51	Amalsad	AML	Gandevi Police stn	02634	262233	9874603431
52	Vedchha	VDH	Jalal pur Police stn	02637	287333	
			Vijal purPolice stn	02637	255400	
			Gandevi Police stn	02634	262233	6359626577
53	Navasari	NVS	Vijalpur police stn	02637	255400	9586642825
			Jalapur police stn	02637	287333 6359626570	9687142255
54	Maroli	MRL	Maroli police stn	02637	6359626601	6359626602
55	Sachin	SCH	Sachin Gaon	0261	2392258	6359629751
			Sachin GIDCE	0261	2399200	6359628292
56	Bhesthan	BHET	BHET police stn	0261	2991131	
57	Udhna	UDN	UDN police stn	0261	2277155	9429841641
			Dindoli police stn	0261	2279100	9099954040
			GRP	0261	2422966	9824444957
58	Surat	ST	Varachha (E) police stn	0261	2544496	
			Mahidhar Pura(W)	0261	2422163	
59	Niyol	NOL	Polce	02612	354436	
60	Chalthan	CHM	kadodaem	02622	282035	9426841100
61	Gangadhara	GGAR	Palsama Police	02622	264227	
62	Bardoli	BIY	Bardoli	02622	220168	6359626011
63	Timberva	TBV	Bardoli polce	02622	220168	6359626011
64	Madhi	MID	Mid police	02622	241439	
65	Lotarva	LTV	Vyara police	02626	220033	9978612151
66	Vyara	VYA	Vya police stn	02626	220033	
67	Kikakui Road	KKRD	Ukai songadh Poli	02624	222033	6359626151

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68	Ukai songadh	USD	USD police Stn	02624	222033	6359626151
69	Lakkad kot	LKKD	Uchchal	02628	231112	
70	Bhadbhunja	BBAI	Uchchal	02628	231112	
71	Navapur	NWU	Uchchal	02628	231112	
		NWU	Navapur	02569	250333	9860625149
72	Kolde	KFF	Navapur	02569	250333	9860625149
		KFF	Vishalwari	02569	240222	8805030503
73	Chinchpada	CPD	Vishalwari	02569	240222	8805030503
74	Khatgaon	KHTG	Vishalwari	02569	240222	8805030503KB H-9421897722
75	Khandbara	KBH	Vishalwari	02569	240222	8805030503942 1897722
76	Bhadvad	BAWD	Vishalwari	02569	240222	8805030503, 9421897722
77	Dhekwad	DWD	Nandurbar	02564	235500, Taluka 222421	
78	Nandurbar	NDB	Nandurbar	02564	222200	
79	Choupale	CUE	Nandurbar	02564	222200	
80	Tisi	TISI	Nandurbar	02564	222200	9420042744
81	Ranala	RNL	Nandurbar	02564	222200	
82	Dondaicha	DDE	Dondaicha	02566	244023	
83	Vikhran	VKH	Dondaicha Police stn	02566	244023	
84	Sindkheda	SNK	Sindkheda Police Stn	02566	222233	
85	HOL	HOL	Nardhana Police Stn	-	-	9403056555
86	Nardana	NDN	Nardana police stn	02566	299235	8356833628 7972779943 9403056555
			Marwad police stn	02587	244233	9673299584
87	Padse	PDP	Marwad	02587	244233	970272728
88	Bhortek	BRTK	Marwad police stn	02587	244233	
89	Amalner	AN	Amalner Police stn	02587	223333	9309400625982 3073556
90	Takarkhede	TKHE	Amalner Police stn	02587	223333	9309400625982 3073556970272 7282
			Dharagaon Police Stn	02588	251333	9503237096
91	Dharangaon	DXG	DharangaonPo lice stn	02588	251333	9503237096
92	Chavalkhed	CHLK	Palsha	02588	255333	
			DXG Police	02588	251333	9503237096
93	Paldhi	PLD	PLD Police	02588	255333	
			Jalgaon Police	0257	222339	
			DharangaonPo lice stn	02588	251333	

5.4 Important Telephone Numbers of Civil Authorities**Name of District: Mumbai City /suburbanState-Maharashtra**

Mumbai City Distract			
SN	Authorities	Contact	Mail id
1	Collector & District Magistrate	022-22662440 / 022-22665233	Collector.mumbaicity@maharashtra.gov.in
2	Additional Collector Mumbai City	022-2261001	Addcollmumbaicity@gmail.com
3	Resident Deputy Collector:	022-22670656	
4	District Emergency Operation Centre (DEOC)	022-22664232	
5	Commissioner of police	22620826 Fax-022 22621835	
6	Mumbai City Police Commissioner, Mumbai	22620826, 22621855, 22621983, 22625020, 22641449, 2262011	
7	Mumbai railway Police Commissioner, Mumbai Railways	022-23759201 / 022-23759283	
8	Police control room number	22621855, 22621983 22620111 22625020, 22641449	022-22633319
9	Commissioner of police	22620826 Fax-022 22621835	
10	District Disaster Mumbai City, Maharashtra Control Room	Toll Free – 1077 Telephone: 022-22664232, 022-22694725	
11	District Disaster Control Room MCGM	107,022-22694725 022-22664232,22694725/27	7588813400

Mumbai Suburban District			
SN	Authorities	Contact	Mail id
1	Collector & District Magistrate	022-69403311 022-69403333	Collector.mumbaisuburb@Maharashtra.gov.in
2	Additional Collector Mumbai Suburban	022-69403312	adlcolmsd@gmail.com
3	Resident Deputy Collector	022-26556806	collectormsd@gmail.com
3	District Emergency Operation Centre (DEOC)	022-69403344	
4	Tahsildar Borivali	022-28075034	tahsildarborivli11@gmail.com
5	Tahsildar Andheri	022-26231368 9082708746	tahsildarandheri@gmail.com
6	Municipal Corporation of Greater Mumbai Emergency Operation Centre (Disaster Management Unit)	1916, 022-22694725, 022-22694727, 022-22704403, Fax : 022-22694719	
7	Control Room -1512 (Railway Police) GRP	67453130, 23759280, 23759201	
8	MUMBAI – FIRE	101 AND 022-23076111 / 022-23086181 / 022-23074923 / 022-23076112 / 13, 101,23001393/4/5 Fax: 022-23086183	
9	State Police Control Room, Mumbai	022 22822631 /22026636 /22026680 22026566 7506777100 7506888100	

❖ Name of District: THANE State-Maharashtra

S.N.	Designation of authority	Office address of the authority	Land line office number	Email-id
1	Collector & District Magistrate	First Floor, Collector Office, Court Nakan, Thane West 400601	022-25344041	collector.thanemaharashtra@gov.in
2	Resident Deputy Collector:	First Floor , Collector Office, Thane	022-25345130	collectorofficethane@gmail.com
3	District Emergency Operation Centre (DEOC)	Thane	022-25301740 / 9372338827	
4	District Disaster Management Officer	Thane (Rural)	022-25381836 422941222	
5	Commissioner of Police Thane	Thane	022-25442828, 25443636 , 25443535	Cp.mv-vv@mahapolice.gov.in
6	Commissioner of Police Mira-Bhynder	MIRA-BYR	022-28110130 / 7021909105	
7	Superintendent of Police	Thane (Rural)	022-25342784, 022-25304883, 022-25398500 022-25343027	
8	Municipal Commissioner Mira -Bhayanda	Mira -Bhayanda	022-28197635 022-28192828 Ext 128/129	

❖ Name of District: PALGHAR State-Maharashtra

S. N.	Designation of authority	Office address of the authority	Land line office number	Mobile no.	Email-id
1	Collector	Collector Office, Palghar-Boisar road, Kolgaon, Palghar 401404	02525-253111		collector.palghar@maharashtra.gov.in
2	Resident Deputy Collector (RDC)	Resident Deputy Collector Office, District Collector Office, 2nd Floor, Parshwnath Bidco Naka, Palghar	02525-252520		rdcpalghar@gmail.com
3	Superintendent of Police (Home)	Plot No 1, Sector No.15, Kolgaon Palghar, Navnagar Dist-Palghar, 401404.	02525-251100	8669604001	sp.palghar@mahapolice.gov.in
4	Police control room no	District HQ-Palghar	02525-251100, 02525-112/100	8669604100 8849787180	
5	District Disaster management officer	District HQ-Palghar	02525-1077 02525-297474 02525-252020		
6	Additional Commissioner Municipal corporation	Vasai Virar City Municipal Corporation (Head Office) Virat Nagar, Near Mhada Colony Virar West. Pin : 401303	0250-6630000 0250 – 6814000 (South) 6814000 (North)		

❖ Name of District: VALSAD State-Gujarat

SN	Designation of authority	Office address of the authority	Land line office number	Mobile no.	Email-id
1	Collector-Valsad	Jilla Seva Sadan Valsad	9978406225	02632-253613	collectorval@gujarat.gov.in
2	DDO-Valsad	Jilla Seva Sadan Valsad	9978406250 9878405650	02632-253829	ddoval@gujarat.gov.in
3	S P-Valsad	SP Office Valsad	9978405085 8128997922	02632-254222	ddoval@gujarat.gov.in
4	Resi. Addl. Collector-Valsad	Jilla Seva Sadan Valsad	9978405253	02632-244476	Add collector Val @ gujarat.gov.in
5	Mamlatdar Disaster		953725978	02632-243238	

❖ Name of District: NAVSARI State-Gujarat

SN	Designation of authority	Office address of the authority	Land line office number	Mobile no.	Email-id
1	District Magistrate /Collector	Navsari Kaliyawadi	02637-244999 (Fax 02637-281540)	9978406215	collectornav@gujarat.gov.in
2	Superintendent of police	Navsari	02637-245333	9978405075	sp-nav@gujarat.gov.in
3	Police control room no	Navsari	02637-258254	9978405075	
4	District Disaster Management officer	Navsari			
5	DDO	Navsari	02637-244299	9978406240	sp-av@gujarat.gov.in
6	Mamlatdar Disaster Management	Navsari	02637-259401	9879341575	
7	DPO Disaster Management	Navsari		9586945273	
8	Dy.Mamlatdar Disaster Management	Navsari	02637- 259401	9023485392	
9	Navasari Muncipal commissioner	Navsari	(O)0263725025 3		

❖ Name of District: SURAT State-Gujarat

S. N.	Designation of authority	Office address of the authority	Land line office number	Mobile no.	Email-id
1	District Magistrate /collector	Athwalines Surat	0261-2652525, 0261-2655151	9978406222	Collector- sur@gujarat.gov.in
2	Resi.Addl.Collector	Surat	0261-2660011	9978405220	rdc-sur@gujarat.gov.in
3	Superintendent of police	Surat	0261-2651832	9978405082	sp-sur@gujarat.gov.in
4	Police control room no	Athwalines Surat	0261-2651831 2651832 2651831 2651832		
5	District Disaster management officer	Athwalines Surat	0261-423751 2423756, 2422285 to 2422287	9978406247	ddo- jun@gujarat.gov.in
6	Police commissioner	Surat	0261-2244440		
7	Commissioner Surat Municipal Corporation	Surat	0261- 2422244, 2422291	9724345000	commissioner@suratmunicipal.gov.in
8	Chief Fire Officer, Surat Municipal Corporation	Surat		9724345553	
9	Mamlatdar Disaster	Surat	0261-2663200	9978410601	66.disastersurat@gmail.com
10	DPO Disaster	Surat	0261- 2663200	9978410601	kaushikgsdma@gmail.com
11	DPO Disaster	Surat	0261-2663200	9033920674	
12	Dy. Mamlatdar Disaster	Surat	0261- 2663200	9925700732	66.disastersurat@gmail.com

❖ Name of District: TAPI (VYARA) State-Gujarat

S. N.	Designation of authority	Office address of the authority	Land line office number	Mobile no.	Email-id
1	Collector	Jilla Seva Sadan Vyara	0262-224460	9978405364	collector-tapi@gujarat.gov.in
2	DDO	Jilla Seva Sadan Vyara	0262 222141	9978405263	ddotapi@gujarat.gov.in
3	S P	SP Office Vyara	0262 222700	9978405488	sp-tapi@gujarat.gov.in
4	Mamlatdar Disaster	Jilla Seva Sadan Vyara	0262-269788	9428076304	dismgmtand@gujarat.gov.in
5	DPO Disaster	Jilla Seva Sadan Vyara	0262 9269788	9898283817	angelchrist90@gmail
6	Dy.Mamlatdar Disaster	Jilla Seva Sadan Vyara	0262 269788	9428076304	Dismgmt and@gujarat.gov.in

❖ Name of District: AHWA –DANG State-Gujarat

S. N.	Designation of authority	Office address of the authority	Land line office-number	Mobile no.	Email-id
1	District Disaster management officer	Jilla Seva Sadan Ahwa	02631-220347	8866641248	
2	Collector	Jilla Seva Sadan Ahwa	02631-220201	9978406208	collector-dan@gujarat.gov.in
3	D D O	Jilla Seva Sadan Ahwa	02631-220254	9978406233	ddo-dan@gujarat.gov.
4	SP	DSP Office Ahwa	02631-220248	9978405021	sp-dan@gujarat.gov.in
5	Resi. Addl. Collector	Jilla Seva Sadan Ahwa	02331- 220221	9978447801	rac-dan@gujarat.gov.in
6	Police control room no.	DSP Office Ahwa	02631-220322		
7	Chief Fire Officer	Jilla Seva Sadan Ahwa	02631- 220272	8511541526	mamcls2-ahwa@gujarat.gov.in

❖ Name of District: NANDURBAR State-Maharashtra

S. N.	Designation of authority	Office address of the authority	Land line office number	Mobile no.	Email-Id
1	District Magistrate /collector	Navapur Choufulli, Nandurbar 425412	02564-221001		Collector.nandurbar@maharashtra.gov.in
2	Resident Deputy Collector:	Nandurbar	02564-210005		
3	District Emergency Operation Centre (DEOC):	Nandurbar	02564-210000		
4	Superintendent of police	Viral Vihar, Nandurbar, MAHARSHTRA -	02564 210100 / 110 210110	9405628371 9405626315	
5	District Disaster	Devmogra, Nandurbar, Maharashtra 425412, Maharashtra	02564-223213	Fax-02564-228805	sp.nandurbarmahapolice.gov.in
6	Management officer	Nandurbar	02564-210005 02564-210006	8275313833	

❖ **Name of District: DHULE State-Maharashtra**

S.N.	Designation of authority	Office address of the authority	Land line office number	Mobile no.	Email-id
1	District Magistrate / Collector	Collector Office, New Administrative Building Dhule	02562-288701/ 288702	02562-288701	Collector.dhule@maharashtra.gov.in
	Resident Deputy Collector		02562-288705		
2	Superintendent of police	Navnath Nagar, Dhule, Maharashtra 424001	02562 288 200		sp.dhule@mahapolice.giv.in
3	POLICE COMMISSIONERATE S CONTROL ROOMS Dhule	Dhule	02562-288211, 288212	9404153520 9404253519	02562-288701
4	District Emergency Operation Centre (DEOC):		02562-288066		
5	District Disaster management officer	District HQ Dhule	02562-288711 / 240908		

❖ **Name of District: JALGAON State-Maharashtra**

S.N.	Designation of authority	Office address of the authority	Land line office number	Mobile no.	Email-Id
1	District Disaster management officer	District HQ Jalgaon	022-2217193 022-2223180	9373789064	
2	District Magistrate /collector	Jalgaon	0257-2242100		collector.jalgaon@maharashtra.gov.in
3	Resident Deputy Collector	Jalgaon	0257-2220800		
4	Superintendent of police	Mahatma Gandhi Rd, Jilha Peth, Pratap Nagar, Jalgaon, Maharashtra 425001	0257-2223333 / 0257-2235232		sp.jalgaon@mahapolice.gov.in
5	Police Commissionerates Control Rooms, Dhule	Jalgaon	0257- 2223333, 2225032, 22235232 Ext 1091		9422210701 9422210702
6	District Emergency Operation Centre (DEOC):	Jalgaon	0257-2217193 / 2223180		
7	District Disaster management officer	District HQ Jalgaon	022-2217193 022-2223180	9373789064	

5.5 List of medical facilities

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
1.	Churchgate	Bombay Hospital Near Liberty Cinema Marine_Lines Mumbai-	1	22067676	022-22067676	YES	YES	YES	YES	YES	YES
2.	Churchgate	Ent Hospital Near Vsnl-Bhavan Mumbai-1	1	22848186, 22043322	022-22042526	YES	YES	YES	YES	YES	YES
3.	Churchgate	St.George Hospital Next To Cst.Main Rly.Station. Mumbai-1	2	22620242-4	022-22620242-7	YES	YES	YES	YES	YES	YES
4.	Churchgate	Cama Albless Hospital Near Bombay Gymkhana Mumbai-1	2	22611680, 22010202	022-22611654	YES	YES	YES	YES	YES	YES
5.	Churchgate	G.T.Hospital	1.5	022 2262 1465	022 2262 1465	YES	YES	YES	YES	YES	YES
6.	Churchgate	Saifee Hospital	2.25	67570111	67570111	YES	YES	YES	YES	YES	YES
7.	Marine Lines	G. T. Hospital Near Metro-Cinema Merine-Lines Mumbai	2.5	022 2262 1465	022 2262 1465	YES					
8.	Mumbai Central	B.Y.L.Nair Hospital&Municipal Medical College Dr.A.B.Nair Rd. Bombay_Central Mumbai	0.2	022-23027000, 23027444	022-23027611 022-23027655	YES	YES	YES	YES	YES	YES
9.	Lower Parel	Dr.Mrs.Sunita Gaitonde. Near Bawla Masjid. N M Joshi Marg. Mumbai-13	0.5		022-24122063	NO					

DISASTER MANAGEMENT PLAN

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
10.	Lower Parel	Kem Hospital. S S Rao Road Mumbai-12	2		022-24107000	YES					
11.	Dadar	Sushrusha Hospital.Citizen Co-Op.Hospital Ltd.698B.Ranade Road.Dadar.Mumbai-28	2	24449161-4	022-24449161	YES					
12.	Mahim	Sion Hospital (Lokmanya Tilak Municipal Medical College Hospital), Sion, Mumbai	2	24076381, 24092020	022-24076381	YES					
13.	Mahim	P.D. Hinduja National Hospital And Medical Research Centre, Veer Savarkar Marg, Mahim, Mumbai 16	1.5		022-24447507	NO					
14.	Matunga Road	B.C.Mehta Mbbs. Matunga Rd-West Mumbai-19	0.1		2224372585	NO					
15.	Matunga Road	Dr.B.K.Misra (Dasf). Near Matunga Rd Station Matunga-19	0.1		022-45108111	NO					
16.	Maharaxmi	Dr. A.R.Sanghavi	3		2223077111	NO					
17.	Maharaxmi	Dr. R.D.Gajjar	3		9223244801	NO					
18.	Lower Parel	Dr. Ashok Khanavate	1	24942418	022-24942418	NO					
19.	Lower Parel	Dr. G.M.Prabhu	2		022-23095593	NO					
20.	Prabhadevi	Dr. Keval M. Ranka	1	9820238805	9820238805	NO					

DISASTER MANAGEMENT PLAN

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
21.	Matunga Road	Dr. B.C.Mehta	1		0222-4372585	NO					
22.	Bandra	K B Bhaba Municipal Hospital Waterfield Rd. Bandra-W	2	26422775, 26422541, 9930468560	022-26422775	YES	YES	YES	YES	YES	YES
23.	Khar	Ramkrishna Mission Hospital 12th Road Khar West.	2	2261844000, 7942699450		YES	NO	YES	YES	YES	YES
24.	Vile Parle	B Nanavati Hospital S.V Rd. Vileparle	1.5	26182255	022-26182255	YES	YES	YES	YES	YES	YES
25.	Vile Parle	R.N.Cooper Municipal General Hospital S.V Road Vileparle Mumbai	1	26207254	022-26207256	YES	YES	YES	YES	YES	YES
26.	Andheri	Mahima Hospital & Polyclinic 5/6-C Janakdeep J.P.Road Opp. Bank Of Maharashtra Andheri West	1	26360024	022-26360024	YES	NO	NO	NO	NO	YES
27.	Jogeshwari	Shah Hospital Opp.Rly.Booking Office(West) Sony Shopping Centre Jogeshwari-West	0.2	9869031354, 9004223839		YES	NO	YES	NO	YES	YES
28.	Goregaon	Matoshree Hospital M.G. Road. "Shram"63-64 B-C Lokmanya Tilak Nagar Road	1	9819045354		NO	NO	YES	YES	NO	YES

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
		Road No 4 Goregoan-									
29.	Goregaon	Suvidha Hospital And Polyclinic Opp.Samrat Theatre Plot No 275 Jawahar Nagar Goregaon-West	2	287206 25, 982124 3804	022-287206 25	NO	NO	YES	YES	YES	YES
30.	Malad	Bhagawati Municipal Hospital Ganjawala Lane Borivali-West Mumbai-66	5	289324 61, 289324 62	022-289324 63	YES	NO	YES	YES	YES	YES
31.	Khar	Anirudh Academy Of Disaster Management 8th Road, Old Khar, Khar (W)	1	241400 05, 241730 00, 982060 0027	569723 18	NO	NO	NO	NO	NO	NO
32.	Bandra	Raheja Hospital	2	665299 99	022-665299 99	YES	YES	YES	YES	YES	YES
33.	Bandra	Lilavati Hospital	3	022-505980 00. 693180 00		YES	YES	YES	YES	YES	YES
34.	Bandra	Holy Family Hospital, Hill Road, Bandra (W).	2	226267 0555		YES	YES	YES	YES	YES	YES
35.	Bandra	Guru Nanak Hospital, BA (E)	2	9.12242 E+11		YES	NO	YES	YES	YES	YES
36.	Santa cruz	B.N.Desai Hospital	2	022-261820 83	022-261820 81	YES	YES	YES	YES	YES	YES
37.	Santa cruz	B.C.J. General Hospital, Asha Parekh Hospital,	1	264937 37	022-264912 03	YES					

DISASTER MANAGEMENT PLAN

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
		S.V.Road, Santacruz (W)									
38.	Andheri	BSES Brahmakumari Hospital, S.V.Road, Andheri	1	022-66487500, 26283557, 66487576, 7689854387		YES	YES	YES	YES	YES	YES
39.	Jogeshwari	Dr. Kulkarni Hospital	1	022-28266812, 9892568446		NO	NO	NO	NO	NO	YES
40.	Malad	Suchak Hospital	1	2048552165 Extension No. 090		YES	NO	YES	YES	YES	YES
41.	Kandivali	Baba Saheb Ambedkar Hospital	0.02	02228647003/9930468571, 9820046386	28961888	NO	-	-	-	-	-
42.	Borivali	Apex Hospital, Chandra Park road, Borivali west	0.7	022-42457027/42457023, 9820067424, 9324337000		NO	-	-	-	-	-
43.	Borivali	Karuna Hospital, Jivan Bima Nagar, BVI (W).	2.5	28934698, 61594698	61594698	NO	-	-	-	-	-
44.	Borivali	Purnima hospital	1	28949968, 8369310384		YES	-	-	-	-	-
45.	Borivali	Sailee health centre	3	28605544/9820402021	9820402021	NO	-	-	-	-	-
46.	Vasai Road	Ravi hospital	1	2332684, 9320333709	-	YES	-	-	-	-	-

DISASTER MANAGEMENT PLAN

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
47.	VASAI ROAD	Krishna Hospital		777003 1856	-	-	-	-	-	-	-
48.	VASAI ROAD	Chaphekar Hospital		917274 2745	-	-	-	-	-	-	-
49.	VASAI ROAD	Kanekar Hospital		960472 4516	250238 4075	-	-	-	-	-	-
50.	VASAI ROAD	Kulur Hospital		845992 4325	250253 4101	-	-	-	-	-	-
51.	Borivali	Apex Multispecialty hospital, dattapada road, borivali east	1	915200 4250, 915200 4248	915200 4250	YES	-	-	-	-	-
52.	Virar	Balaji Hospital Mira Nagar Virar-At	0.01	252168 5/98231 46580	720839 7685	YES	-	-	-	-	-
53.	Virar	Sanjeevani Hospital Swami Vivekananda	0.02	250228 4, 250502 9, 982250 2284	-	YES	-	-	-	-	-
54.	Virar	Primary Health Centre Virar-East	0.5	250242 3	-	YES	-	-	-	-	-
55.	NAIGAON	Janseva Hospital		250232 4466, 766668 8148	-	NO	-	-	-	-	-
56.	Nallasopara	Alliance Hospital, Near Atma Ballav Society, Nallasopara(E)	0.5	866961 1805	-	YES	-	-	-	-	-
57.	NALASOPARA	Manorama Hospital	1	932476 5112	-	-	-	-	-	-	-
58.	NALASOPARA	Ishan Hospital	1.05	777700 2874	-	-	-	-	-	-	-
59.	NALASOPARA	Life Care Hospital	1	740002 2223	-	-	-	-	-	-	-
60.	NALASOPARA	Riddhi Vinayak Hospital	1	922318 6550			-	-	-	-	-

DISASTER MANAGEMENT PLAN

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
61.	dahisar	Navneet Hospital,Dahisar East	1	28936868/28936767	28999494	NO	-	-	-	-	-
62.	Kandivali	Sanchaiti Hospital, Akurli Road, Landivali (W).	1	9820147006		YES	-	-	-	-	-
63.	Nala Sopara	Vinayaka Hospital,Opp Anchor Park,Nsp East	1	90222268305	9.18411 E+11	YES	-	-	-	-	-
64.	mira road	Wockhardt Hospital	0.9	8108181081/022-40543222	022-28999696	NO	-	-	-	-	-
65.	Borivali	Bhagawati Hospital	1	28932461, 28932462	022-28932463	YES	-	-	-	-	-
66.	Mira Road	Shah Lifeline Hospital	2.5	28131125, 9892508528	9892508528	YES	-	-	-	-	-
67.	Mira Road	Thunga Hospital	2	9768881234	28125378	NO	-	-	-	-	-
68.	Mira Road	Bhakti Vedanta Hospital	3	29452500/29452501	022-28456215	YES	-	-	-	-	-
69.	Bhayander	Padmaja Hospital	1.5	7208044418/8828252266	022-28192161	YES	-	-	-	-	-
70.	BHAYENDER	Temba Hospital	3	02228041048			-	-	-	-	-
71.	BHAYENDER	Shatabadi Hospital		02228647003/04			-	-	-	-	-
72.	Vasai Road	Phc Vasai	0.5	9322303962		NO	-	-	-	-	-
73.	Vasai Road	Cardinal Gracius Hospital	5	7350622424	7350632424	YES	-	-	-	-	-
74.	VIRAR	Balaji Hospital	0.5	2502521685		NO	-	-	-	-	-
75.	virar	Vijay Vallabh Hospital	1.5	7030333226/70	95250-2432376	NO	-	-	-	-	-

DISASTER MANAGEMENT PLAN

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
				303332 27							
76.	Saphale	Smith Nursing Home, Saphale	1	234203	952525- 230427	NO	-	-	-	-	-
77.	Saphale	Alhad Nursing Home, Near Rly.Station, Saphale.	1	230205	952525- 230274	NO	-	-	-	-	-
78.	Saphale	Primary Health Centre Saphala.	0.5	230163, 922446 6081 720829 7180	952525- 230163	NO	-	-	-	-	-
79.	Kelva Road	Primary Health Centre. Kelva Village.	8	220104	952525- 220104	NO	-	-	-	-	-
80.	Palghar	Primary Health Centre Kaeheri Road Palghar. Dist. Thane.	0.5	254107, 982318 2340, 961980 0040 992358 4192	952525- 252011	YES	-	-	-	-	-
81.	Dahanu Road	Poonamiya Hospital Near Rly Stn. Dahanu Road.	0.1	222184, 942266 3329	02528- 222185	NO	-	-	-	-	-
82.	Palghar	Dhada Ortho. Hospital. Near Raj Talkies Palghar. Dist. Thane.	1	254299, 976486 4299, 982318 2340	02525- 251472	NO	-	-	-	-	-
83.	Palghar	Palghar Nursing Home,Opp, Congress Bhvan. Palghar. Dist. Thane.	1	253044, 253888, 982324 1644, 982314 7092	052525- 253044	YES	-	-	-	-	-
84.	Boisar	T.A.P.S. Hospital Taps Tarpur Boisar. Dist, Thane,	3	264224, 264338, 942398 2768	02525- 264001	YES	-	-	-	-	-
85.	Boisar	Dr.P.G. Patil Near Chitralay, Boisar,	0.5	272648	02525- 266658	NO	-	-	-	-	-

DISASTER MANAGEMENT PLAN

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
86.	Saphale	Dr. Gokhale Hospital	1	230144	02525-230896	NO	-	-	-	-	-
87.	Kelve Road	Dr. Mangesh Patil	1	235140, 927374 5461	02525-235095	NO	-	-	-	-	-
88.	Kelve Road	Dr. Deshmukh	1	235344	02525-235011	NO	-	-	-	-	-
89.	Palghar	Sai Kripa Hospital	1	252897	02525-252807	NO	-	-	-	-	-
90.	Vangaon	Primary Health Centre, Vangaon.	0.5	244034	02525-244034	NO	-	-	-	-	-
91.	Dahanu Road	Cottage Hospital, Agar Dahanu Road.	3	222371, 222356, 922648 0059, 832983 7358	02528-222371	YES	-	-	-	-	-
92.	Dahanu Road	Mission Hospital Breth Ren Mission Dahanu Road.	1	222356	02528-222737	NO	-	-	-	-	-
93.	Palghar	Dr. Dhawale	2	256932, 772001 6357/ 344/358	02525-256933	NO	-	-	-	-	-
94.	Vangaon	Dr. Rajendra Churi	1	244113	02525-244113	NO	-	-	-	-	-
95.	Boisar	Dr. Vikas M. Patil	1	273670	02525-277765	NO	-	-	-	-	-
96.	Boisar	Dr. Parag Kulkarni	1	266632	02525-266632	NO	-	-	-	-	-
97.	Boisar	Dr. Dalal Umesh	1	270191	02525-272519	NO	-	-	-	-	-
98.	Dahanu Road	Dr. Jagdish Bhadbhade	1	222054	02528-222913	NO	-	-	-	-	-
99.	Dahanu Road	Dr. Anil S. Mackwana	2	222680	02528-222680	NO	-	-	-	-	-
100.	Dahanu Road	Dr. Ganpat Shanbag	2	222026	02528-222026	NO	-	-	-	-	-
101.	Dahanu Road	Dr. Rajiv V. Wadekar	2	222067	02528-222067	NO	-	-	-	-	-
102.	Saphale	Dr. Amrut Anil P.	1	230265	02525-230332	NO	-	-	-	-	-

SN	Station	Address	Distance	Telephone	24hours Phone1	Ambulance	Blood Bank	X-ray	USG	Lab.	OT
103.	Saphale	Dr. Sanjay Patil	1	230237	02525-230237	NO	-	-	-	-	-
104.	Saphale	Dr. Dhedia R	1	230191	02525-230932	NO	-	-	-	-	-
105.	Palghar	Dr.M.A.Kampali	1	254855	02525-252955	NO	-	-	-	-	-
106.	Palghar	Dr.Mahendra Ambekar, Md	1	252631	02525-255253	NO	-	-	-	-	-
107.	Palghar	Dr. R.R.Chauhan, Md (Gynac)	1	255180	02525-252724	NO	-	-	-	-	-

5.6 List of Blood Banks

Telephone number of Blood Banks				
SN	Station	Name and Location of Blood Bank	PNT No.	Mobile No.
1	Church gate-Mumbai Central	Red Cross, Fort Mumbai	022-23096979	
		Bombay Hospital	022-22067676	9820320470
		CAMA ALBLESS Hospital, Near Bombay Gymkhana	02222611871	
		GT Hospital	22621465	
		Saifee Hospital,	67570111	
2	Mumbai Central	Nair Hospital	022-23027645/44	
		New OPD Bldg. 2nd Floor, Dr. A. L. Nair Road, Mumbai Central Mumbai-400 008	022-32173280	
		Sir. JJ Mahanagar Rakth Pidi	022-23739400	
		Ground Floor, F.D. Petit Building, J. J. Campus, J. J. Road, Byculla, Mumbai-400 008	022-23733531/32	
		SIR H. N. Hospital & Research Centre Blood Bank, 3rd Floor, Kapol Bldg., Padmashri Govardhanbappa Chowk, Raja Ram Mohan Roy Road, Prarthna Samaj, Charni Road - Mumbai-400 004.	022-61305225 022-61305701 1800221166	
		JRH Hospital Blood Bank	022-67643224	9702699024
		Abdul Fazalbhoy Blood Bank	022-22611648	9867798441
		Masina Hospital	022-61841273 022-23700715	
3	Lower Parel (Mumbai)	KEM Blood bank, 30, Parmar Guruji marg, Parel, Mumbai 400012	022-24135189	
		Sion hospital No. 807 2nd floor, A wing imperial Mahal above HDFC Bank, Dr. B. Ambedkar road, Dadar (East) Mumbai - 400014	022-24022066	
		ESI Mahatma Gandhi Memorial Hospital, Dr. SS Rao Road, Dadar (East) Mumbai-400012	02224132581	
		NM Wadia Blood Bank Parel, Acharya Donde Marg, Parel East, Mumbai-400012	02224165638	

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4	BA	K B Bhabha Municipal Hospital Waterfield Rd. Bandra-W	02226422775	9930468560
		Ramkrishna Mission Hospital 12Th Road Khar West.	02261844000	
		B Nanavati Hospital S. V Rd. Vile Parle	02226182255	
		R.N.Cooper Municipal General Hospital S.V Road Vile Parle Mumbai	02226207254	
		Mahima Hospital & Polyclinic 5/6-C Janakdeep J.P. Road Opp. Bank Of Maharashtra Andheri West	02226360024	9821184906
		Shah Hospital Opp. Rly.Booking Office (West) Sony Shopping Centre Jogeshwari-West		9869031354 9004223839
		Matoshree Hospital M.G. Road. "Sharma" 63-64 B-C Lokmanya Tilak Nagar Road No 4 Goregaon	07507771544	
		Suvidha Hospital And Polyclinic Opp. Samrat Theatre Plot No 275 Jawahar Nagar Goregaon-West 28720625	02228720625	9821243804
		Anirudh Academy Of Disaster Management 8 th Road, Old Khar, Khar(W)	02224140005 02228445678	
		Raheja Hospital	02266529999	
		Lilavati Hospital	02269318000	
		Holy Family Hospital, Hill Road, Bandra(W)	02230610555	
		Guru Nanak Hospital, BA(E)	0224222777	
		R.K. Nursing Home, Santacruz	02226183847	
		BSES Brahmakumari Hospital, S.V. Road, Andheri	02266970289	9869220731
		Dr. Kulkarni Hospital	02228393738	
		Suchak Hospital	02228891484	
		Meenatai Thackery Hospital, Goregaon west	02228722929	
5	Borivali	Borivali Blood bank, Borivali(W), Near Ram Mandir	28935219 28936203	
		Navjivan Blood bank, Punjabi lane Borivali(W)	02228934122 02228934133 02228918144.	
		Bloodwala.com, Shanti Ashram Borivali(W)	8119850968	
		Vijayee Blood bank, Vasai West	Tempery closed.	
		Sathiya Blood bank, Nalasopara West near Rly. Stn.	07378887512.	
6	Palghar	Maharashtra Blood bank, Kanta Hospital		9823133779
		Chedda Blood Bank	220478,220,614	
		Blood bank, Station Rd.		9825158044
		Lions Blood Bank Chikli. Bilimora	2634234311	9825106158
		Lions Blood Bank Bilimora	2634285913	
		Civil Hospital, Halar Road, Valsad	5426808	
		Haria LG Rotary Hospital, Dr. SS Singh	02602429850	
		Nadkarni Hospital, Dr. Kishor Nadkarni	02602373271	
7	Dahanu Rd.	Lions Medical Bank Trust Blood Bank Main Road,		9825106158
		Chedda Blood Bank		8983809794
8	Valsad	Blood bank, Station Rd.		9023724099
9	Vapi	Lions Blood Bank Chikli. Bilimora		9825106158
		Lions Blood Bank Bilimora	02634285913	

		Civil Hospital, Halar Road, Valsad	0232251744	
		Haria LG Rotary Hospital, Dr. SS Singh	02606542458	
10	Pardi	Nadkarni Hospital, Dr. Kishor Nadkarni	02602373271	
11	Navsari	B K Shah Red Cross Bhavan, Station Road, Navsari-396445.	02637 234739	9925745290
12	Surat	Surat Health Care Foundation, Lokhat Hospital, Rampura, Surat-395003		9712990094
		Surat Health Care Foundation, Lokhat Hospital, Rampur, Surat-3		9712990094
		Saviour Voluntary Blood bank, 1 st floor, Shubh Square, Gotalawadi, Lal Darwaza, Surat-395003		7487995555
		Sardar Vallabhai Patel Blood bank, Shrinathji Complex, Ram nagar Char Rasta, Rander, Surat	02612772999	9850271070
		Surat Raktadan Kendra and Research Centre Udhna Magdalla Road, Surat-10	02612630114	6353503022
13	Udhna/ Surat	Blood bank, New Civil Hospital, Majura Gate, Surat	02612230909 02612208302	
		Red Cross Blood bank, Guru Krupa society, Surat-9		9054637081
		Lok Samarpan Rakth Dan Kendra, Mira Nagar Society, Opposite Mini Bazar, Varachha Road, Surat-6	02612547575	
		Surat Raktadan Kendra, Undha Khatodara Health Centre, near Chaust joganiya Matanu Mandir	02612635533, 02612630114	
14	Bardoli	Sardar Smarak Hospital, Bardoli	02622225518	
	Vyara	Laxmiben kushalbai Patel blood bank	02626220251	
15			9313261489	
16	Nandurbar	Jankalyan Blood bank, Desaipura, Nandurbar		7448248647
		Civil Hospital Blood Bank, Sakri Road, Nandurbar	02564210121 02564299282	0986040810 9
17	Amalner	Jeevan Shree Blood bank, Rasmanju Complex, Bhagwat Road		9028330204

5.7 MILITARY ORGANISATION

SN	Organization	Location	STD CODE	Contact no. PnT
1	Western Naval Command Mumbai	Colaba	022	22060856 22060867
2	INS Shikra	Colaba	022	25700008
3	COST GUARD/DRD	(CHIKHLA) DAHANU	91	9953395217
4	Department of Defence (DoD)	Ministry of Defence, New Delhi.	011	011-23019474

5.8 PARA- MILITARY ORGANIZATION

SN	Organization	Station	Location	STD CODE	PNT NO
01	Home Guard Maharashtra	CCG	Churchgate	022	22842423
2	NCC	CCG	Churchgate	022	22842786
3	Civil Defence	CCG	Churchgate	022	22843667 22843600 22844171
4	Home Guard	CCG	Fort	022	22842423 22611928
05	CISF Western Zone Control Room	Chembur	Chembur	022	27762015
06	CRPF	Navi Mumbai	IG Western Sector, CRPF, Navi Mumbai	022	27571370, 27571383
07	CRPF	Taloja	Taloja/Navi Mumbai	022	2776 2610
08	CISF	Bandra Terminus	Vakola, Santacruz (East), Mumbai	022	26663254
09	CISF	Boisa	CISF Unit BARC, Tarapur, Boisar	2525	244113

5.9 BOMB DETECTION SQUAD

	Name	Location	Phone Number	EMAIL ID
1	Divisional Control Room (DSCR)	Mumbai	44925,44915, 9004499718 9004449631	theipfdscr@gmail.com
2	Police Control Room Mumbai central (Rly)	CSMT	022-23081725/022-22622685	-
3	Police Control Room Mumbai central (city)	CSMT	2222625020	-
4	Traffic Control Room.	Dadar	022-24954443	-
5	Fire Brigade control Room	Byculla	0222-2694725/27	-
6	BDDS & Dog Squad Mumbai central	Mumbai Central	46756, 7021981735	-
7	Sr. DSC/RPF/Mumbai Central	Mumbai Central	44900, 9004499700	-
8	DCP/Mumbai central	Mumbai Central	022-23074399, 8108466467	-
9	DCP	ZONE 08	26508381	dcpzone8mum@mahapolice.gov.in
10	Cotton green kala choki	Borivali	022-23752602, 022-23752642	-
11	ASI ADKE	HQ Ghtkopar	9870162500	-

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12		Jilla Seva Sadan, Dharampur Rd, Valsad, Gujarat 396001	91 2632 243238, 240212	
13	BDDS & Dog Squad Surat	Surat City	0261-2423751,56	
14	Sandip Shinde, PSI	NDB	-	9423703843

5.10 LIST OF ROAD TRANSPORT PROVIDERS

S.N.	Name of firm	STD Code	PNT No.
1.	BEST Traffic Control Room/Bus Control Room Tel no	022	24137937/ -24143611 / 24184489 / 24146262 Ext - 801 1800 227550
2.	Senior Administrative Officer (Traffic) 2nd floor, Traffic Administration Building, Wadala Depot, Mumbai 400 031,	022	24128596
3.	Sr. Dept Manager COLABA BEST Depot	022	22842090, 22856262 Ex.867
4.	Sr. Dept Manager BACKBAY BEST Depot	022	22185541, 22185794
5.	Sr. Dept Manager BACKBAY BEST	022	22185541, 22185794
6.	Sr. Dept Manager CENTRAL BEST	022	23079951, 23087393
7.	Sr. Dept Manager WORLI BEST	022	24227686, 24224420
8.	Sr. Dept Manager WADALA BEST	022	24145237, 24128845, 24146887
9.	Sr. Dept Manager BANDRA BEST	022	26421981, 26423602
10.	Sr. Dept Manager DHARAVI BEST	022	24091232, 24074648
11.	Sr. Dept Manager MAROL BEST	022	28221790, 28328501
12.	Sr. Dept Manager SANTACRUZ BEST	022	26615341, 26616705
13.	Sr. Dept Manager GOREGAON BEST	022	26761953, 26761955
14.	Sr. Dept Manager OSHIWARA BEST	022	26761848, 26761985
15.	Sr. Dept Manager MAGATHANE BEST	022	28860400, 28860864
16.	Sr. Dept Manager DINDOSHI BEST	022	28400613, 28400109
17.	Sr. Dept Manager POISAR BEST	022	28051618, 28052354
18.	Sr. Dept Manager GORAI BEST	022	28671965, 28678129
19.	Sr. Dept Manager MALWANI BEST	022	28808873, 2880887
20.	Asst Public relation officers MSRTC Mumbai Central Mumbai 400004	022	2307553, 23024004 pro.msrtc@gmail.com
21.	MSRTC Depot Manager Mumbai Central Agar	022	23024074
22.	MSRTC Depot Manager Parl	022	24304620
23.	MSRTC Depot Manager Dadar Asiad	022	8657009317
24.	MSRTC Depot Manager Dadar - Senapati Bapat Road	022	24302667
25.	MSRTC Depot Manager sion	022	24074157
26.	MSRTC Depot Manager Dadar BMCT	022	24146445
27.	MSRTC Depot Manager Borivali Sukurwadi	-	28931226
28.	MSRTC Depot Manager Vasai	0250	2324003 2322307
29.	MSRTC Depot Manager Nalasopara	0250	2403491 266631
30.	MSRTC Depot Manager Palghar	02525	252096

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31	MSRTC Depot Manager Boiser	02525	266497
32	MSRTC Depot Manager Navghar (West), Vasai	0250	2332306
33	MSRTC Depot Manager. Dahanu road	2528	222296
34	MSRTC Depot Manager Bhainder	-	28192357
35	MSRTC Depot Manager Nawapur	02569	250129
36	MSRTC Depot Manager Dondoicha	02566	244095
37	MSRTC Depot Manager Nandurbar	02564	222495
38	MSRTC Depot Manager Sindkheda	02566	222218
39	MSRTC Depot Manager Shahada	02565	223731
40	MSRTC Depot Manager Dhule	02562	235375
41	MSRTC Depot Manager Jalgaon	0257	2229774
42	Gujarat State Road Transportation Corporation General Manager	079	22812416
43	GSRT Depot Manager Bardoli		6359918756
44	GSRT Depot Manager Mandvi		6359918759
45	GSRT Depot Manager Songadh		6359918765
46	GSRT Depot Manager Surat City		6359918771
47	GSRT Depot Manager VOLVO		6359918774
48	GSRT Depot Manager Ahva Valsad		6359918785
49	GSRT Depot Manager Bilimora Valsad		6359918788
50	GSRT Depot Manager Dharampur Valsad		6359918791
51	GSRT Depot Manager Navsari		6359918794
52	GSRT Depot Manager Valsad		6359918797
53	GSRT Ahwa Bus Station	02631	220030
54	GSRT Vaghai Control Point	02631	246425
55	GSRT Bilimora Bus Station	02634	284414
56	GSRT Valsad Bus Station	02632	244161
57	GSRT Pardi Control Point	0260	2373070
58	GSRT Vapi Bus Station	0260	2465731
59	GSRT Umargam Control Point	0260	2562227
60	GSRT Navsari Bus Station	02637	258976
61	GSRT Surat Central Bus station	0261	2422006
62	GSRT vUdhna Control Point	0261	2273621
63	GSRT Bardoli Bus Station	02622	220188
64	GSRT Bardoli Liniyar Bus Station	02622	223733
65	GSRT Madhi Control Point	02622	242079
66	GSRT Umargam Control Point	0260	2562227
67	Navsari Bus Station	02637	258976
68	Bajrang Logistic Pvt Ltd Masjid bundar		9972428785
69	Shiv Transport Goandevi Mandir, Room No 12, Gaondevi Road, Nalasopara East,		8460547752

5.11 LIST OF LIFTER MACHINE, TRUCKS, BULLDOZER AND CRANE PROVIDERS

SN	Station Name	Name of firms with address	Mobile No.	Equipment's Available
1	CCG-BCT	Sawant Crane service Mumbai central Mumbai 400008	9820107631	50Tt to 300 T Crane, Fork lift, JCB
		Mr.Azharuddin J Shaikh Phoenix Group , Office bldg No. E-1, Girnar Co.Op. Society Ltd., Gala No.17 Wdala Truck Terminal, Mumbai-	9594365603, 7718061885, 7718044276,	Proclaim, 30 T

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		400037.		
		Express Crane Service Chembur Mumbai 400071	9004833000 9821021077	JCB60 to 500 Tons Crane
2	BCT-MM	Mastan Crane Service 701 Satellite Garden C Wing Bldg 3 Sub plot D Film City Rd, Goregaon (E) Mumbai, 400063	9967563885	JCB Machine Yes Hydra (12 to 15 T) Farana (17 T) Crane
3	BDTS-ADH	Rajasthan Crane Service	9820442471	250 T crane
4		ANB Construction, Shri Vilas Bal Shankar Andheri West, Mumbai	9892822551 9892917947	Proclaim 30 T, JCB
5		Mr. Kalim Agra Engeering Andhari west	9768325786 08048263739	Proclaim 30 T,
6		Shivam Enterprises Andheri West, Mumbai	7942771699	Proclaim 30 T, JCB
7		Nilesh Anil Balshankar Om Sai Transport, Andheri	9819873711	Poclain 30 T
8		Malik Crane Services Pvt Ltd. Kalina Santacruz East Mumbai 400098	9820037533	75 to 200 Tons crane
10	JOS - RMAR	Adity Crane Service 303, Shri Ganesh Housing Soc, MMRDA Colony, Goregaon West Maharashtra 400062	8948549051	Farana (15T) Hydra (12T) Crane (50 T) Crane
10	GMN	Mastan Crane Service Goregaon (E) Mumbai, Maharashtra 400063	9967563885	JCB Machine, Hydra (12 to 15 T) Farana (17 T) ,50 Ton & 60 Ton Crnae
11	MDD-KILE	Shree Ganesh crane service Old Sonal State Indl Link Road Kachpada Mumbai 400064, Maharashtra 400064	9867306237	Farana (15T) Crane , Hydra (12T) Crane
12		Kalsaria Construction LTd, Malad(E) Mr. Ramjan Bhai	8046039324 9972321772	Poclain,30 T
13		Aarya Enterprises, Siddheshwar Society, Kandivali East, Mumbai – 400101 Mr. Bhagwan patil	9845452099	Poclain,30 T
14	BVI	M/S K K Engg. Works Borivali	9825969040	JCB
15		Nalin Hiring A-1/101, Hyland Park, S.V. Road, Dahisar (East), Mumbai, Maharashtra 400068	9930350507	Hydra (12 T) Farana (15 T) 80 T to 200 T Crane
16		Pragati infrastructure Dahisar (E)	9820536080	Poclain 30T
17		J U Rindani & SONS Dahisar East, Mumbai	9892121891 9594343330	Poclain 30 T, JCB
18	MIRA-BYR	S R Cranes Service Diamond Tower, Mira Bhayander Rd, Kashimira, Thane Maharashtra 401107	9930460541	Hydra (12 / 14 T) Crane Farana (15 T) Crane (50 T) Crane
19		Samrat Transport Kashimira-Mira Road East Thane	7208631850 8356812813	Poclain 30 T to 200 T
20	NIG	Sai Krupa Crane Service Tungal	9890524309	Hydra (12 T) Crane

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		Phata Rd, Tungarfata, Golani Naka, Vasai East, Maharashtra 401208		Farana (15 T) Crane
21	BSR	Walvadevi Crane Service Vasai Fata, Near Dashmesh Hotel, Vasai, next to sayali Petrol Pump, Vasai-Virar, Maharashtra 401208	9970812233	Hydra (12 T) Crane
22	NSP-VTN	Blue Crane Service 201, Sai Niwas Apartment, Opp- Lumbini Niwas, Om Nagar, Nalasopara East, Maharashtra 401209	6359842770	Hydra (12 14 23 T) Crane Farana (15 17 23 T) Crane (20T to 300T) JCB Machine Yes Porcelain Yes
23	SAH-PLG	Shree Sai Crane Service Charrasta, Palghar ,near Nest Hotel, Palghar (w) Maharashtra 401404	8888012808	Hydra (14 T) Crane Farana (23 T) Crane
		Parmar Hydraulics Vasai Phata- Vasai East, Palghar	8624907990, 9324337930	JCB
24	BOR-VGN	Swagat Road Line Crane Service, Sushil Nagar, Khaira Phata, Boisar,401501.	9665245578	2 Crane (70 T EACH)
25	DRD-GVD	Uttam Crane Service, Dabla Cola Road, Plot No J51, MIDC Boisar,401501	9822711927	3 No of HYDRA (12 T) Crane-1 FARANA (17 T)
26	UBR-SJN	Purpose Tuning & Lefting Co	9510045281	Hydra, Crane, Gas Cutter Bulldozer
27		Jai Bhawani Crane Service and fabrication works, New GIDC Rd, 52 Hector, GIDC Umbergaon, Umargaon, Gujarat 396171	8866939885	Farana (15T) Hydra (15 T) Crane (50 to 200 T)
28	VAPI	Shri HARISH CRANE SREVICE, Office No 17, Raghuvir Complex, VAPI industrial area, Pin-396195.	9824125210 9824297666	JCB Machine,2 HYDRA (14 T) Crane
29	VAPI	M/S Harish Crane Services	9824125210	Bulldozers / Crane
30		Prayasha Earth Movers	9427466661	JCB
31		M/s Harish Crane Service	9824125210	Hydra, Crane, Gas Cutter Bulldozer
32		R. K. Verma Crane Service	8980600056	Hydra Crane, Gas cutter
33		Shree Sai Crane Services	9924155344	Gas Cutter / Crane / Bulldozers
34		Bajra Construction Equipment, Salvav, Vapi (Gujarat) Mr. Rakesh Bhai	7947220195 9925154977	Poclain,30T
35	UVD	Shri Sai Lifters, SHOP NO 3, NEAR RAHAT HOTEL, NH 8, GIDC.396195	7977276708	JCB Machine,2 HYDRA (14 T)
36	PAD-ATUL	Diya Crane Services, NH 48 Atul Valsad Road, Ambaji Dham, Parnra, Valsad 396020	9824996999 9712227976 9638866999	Farana (15T) Hydra (15T) Crane (50 to 200 T)
37		Vishva Crane and Breakdown Service, Near Valsad RTO, NH 48,	9925258900	Farana (15T) Crane , Hydra (15T) Crane (50 to

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	BL	Atak Pardi, Pardi Parnera, Gujarat 396002		200 T)
38		TATA Care well Crane service	9924143333	Hydra, Crane.
39		Carewell Motors & Infra Pvt. Ltd.,	9824143333 7947080208	Poclain, 100 T
40		M/s.Hinal & company	849362066	Poclain,30T
41	DGI-BIM	Uma Crane Service GIDC, Dhakwada, Antalia, Bilimora, Gujarat 396325	9426888486	Hydra (12T,14T) Crane
42	WGI	Puna Bhai R Sohla Kala Bhai R Sohla Waghai Breakdown Service Nasik Road Waghai	9931612112 9428542712	Farana (15T) Crane , Hydra (15T) Crane ,JCB 03 Bulldozer 02
43	NVS-BIM	Carvel Motor & Infra Pvt Ltd	9368825737	Crane, Gas Cutter Bulldoser
44	AML-VDH	Dilip Patel Uma Crane Service, Antaliya GIDC Bilimora.396325	9426888486	JCB Machine, Hydraulic Crane (12 T), Poclain 30T, Trucks, Bulldozers Farana (200 T) Crane
45	NVS-SCH	Prakash Kumbhar Golden Crane Service, GIDC-Sachin,	9558400761, 9558400767, 9558400768, 9558400861	JCB Machine. Hydraulic Crane (12 T) Poclain 30T Trucks, Bulldozers Farana (150 T) crane
46	UDN	Bharat Crane Services	8000390005 9825466786 9426114277	250T Crane
47		S S Patel Crane Service	9825295682 9824764482	130 T Crane
48		Jay Ambe Cranes,	9227225444	50T Crane
50		Sai enterprise	9376211981	110 T Crane
51		Mr. Jagdish Patel Jay Maruti Traders, Biotech Gate, Manjusar, Vadodara – 391775	9925115170	Poclain 30T
52		Mr. Jaspal Atthwal Yantraman Automac Pvt Ltd, Vadodara – 391740	7878455455 9924222201	Poclain 30T
53		HR Cranes	9824353115	300 T Crane
54	ST	New Good Luck Crane Services	9824188786	250T Crane
55		Raaj Crane Service	9712933603	20T Crane
56		Riken Patel Shreeji Earth Movers,Udhna magdalla road, Surat	9924849352	Poclain 30 T
57		Baba Traders, Gopipura, Main Road Udhna, Surat Gadedi Multa	8401830411	Poclaim 30 T
58		Tirupati Earth movers & Breakers, Navsari Road, Udhna, Surat - Sanjay Bhai	9898740017, 9049132220	Poclain 30T T
59		Friutwala Const. Ltd., Gopipura Main Road Gopipura, Surat Amroz Shaikh	9374223880	Poclain 30T
60		M/s Mayur Patel	9978499666	JCB
61	BHET-ST-	Samsher Singh	9067720644,	JCB Machine, Hydraulic Crane

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	NOL	New Gurusar Crane service, Road No-03, GIDC Sachin, Opposit Rajkamal Chokdi, Surat.394230.	9924477883	(150 T) Proclaim 30 T Trucks, Bulldozers Farana (200 T) Crane
62	CHM-MID	Azaz Patel, Patel Crane Service, Bardoli.	9825170608, 9925170608, 9825466786	JCB Machine, Hydraulic Crane (50 T), Porclain 30 T Trucks, Bulldozers Farana (15 T) Crane
63		M/S K K Engg Works Bardoll	9825969040	JCB
64		S K Associates	9825969040	JCB
65	Vyara & Vapi	Laxmi Crane Service	9925135634 8306795535	14 T Crane
66	USD	Satish Crane Service	9537471888	Hydra.
67		Megha Infr. Structure USD	9978920400	Poclain
68	LTV-LKKD	M/s laxmi Crane Service Vyara	9925135634 8306795535	JCB, Hydra - 50T Crane, Proclain 140-210 T
69	NWU	Shreeram / Dinesh Welding Works	9420605121	JCB,
70		Patil Crane	9420605121	JCB
71		M/s.Patil Crane Service Visarwadi	9822186698, 8623283352	Poclain 30 T, JCB, Hydra, Buldozers.
72		Satish Crane Service	9537471888	Hydra.
73		Mavali Suppliees	9421524484	JCB.
74		Rameshwar Tradess Mr. Rahul Aarde	9764761206	Poclain 30 T,
75		Mr. Mahendra Dave M/S Dave Crane	9860455695	Poclain 30 T,
76	DDE-HOLE	Pedka Crane Service. Dondaicha.Dist. Dhule.	9834039472, 9420374405	Hydra, 12 Ton.
77		Dipak Girase Dondaicha	9922734411	Poclain 30 T,
78		Pedkai Crane Service	8605944069, 7020749638.	Hydra, Crane.
79		Ratansing Nanabhau Girase Dondaicha	9737136113	Poclain 30 T
80		Patil Crane service, Nardana.Dist. Dhule.	9421004085	05 to 50 Tons Crane
81	Dhule	Danish Crane Service, Sakri.	9423980488 9423191886 9975820095	150 T Crane
82	NDN-(Shirpur)	Tarun Gosar Dhule	9511703329	
83		Patil Crane Service	9822967768	Poclain 30 T, JCB, Hydra, Buldozers.
84	SNK	Kalpesh Patil, Sindkheda	8788530647	Poclain 30 T

85	PDP-BRTK	Bhushangiri nagaon Amelner	9330810085	140 T Crane
86	SHIRPUR	Luckey Crane Service	9881402915	Hydra, JCB, Crane, Gas Cutting.
87	AN	Shivcrupa Crane Service	9921642173	JCB, Crane, Bulldozers, Gas Cutters.
88		Uday Nahadur Singh Amlner	9425103067	Poclain 30 T
89		Luckey Crane Service	9881402915	Hydra, JCB, Crane, Gas Cutting.
91	DXG	Samadhan Dhangar Dharangaon	7083788124	Poclain 30 T
92	CHLK	Prashant Chaudhari Chavalkhede	9923621921	Poclain 30 T
93	PLD	Vikky Chhabra Paldhi	7775990000	Poclain 30 T
94	JL	Mantra Crane Service	9373477089	Hydra, Crane.
95	PLD	Gayatri Crane Service	9561878503, 9503636523.	Hydra, Crane.
96		luckey Crane Service	9881402915	Hydra, JCB, Crane, Gas Cutting.
97	DXG	Samadhan Dhangar Dharangaon	7083788124	Poclain 30 T

5.12 List of Print and Electronic Media

MUMBAI PRINT MEDIA LIST

• English Print Media

S. N.	Name of Media Persons	Publication name	Contact No./ Mobile No.
1	Manthan K. Mehta Somit Sen	Times of India	9892265049 9930188556
2	Shashank Rao	Hindustan Times	9820568004
3	Rajendra Aklekar	Mid-Day	9892190761
4	Kamal Mishra	Free Press Journal	9920230632
5	Kailash Korde	PTI	9870451839

• Hindi Print Media

S. N.	Name of Media Persons	Publication name	Contact No./ Mobile No.
1	Priya Pandey	Navbharat Times	7506132280
2	Naresh Ameta	Pratahkal	9892014508
3	Raghvendra Dwivedi	Hamara Mahanagar	9870080781
4	Neeraj Dave	Jagruk Times	9769939946
5	Sujit Gupta	Dainik Bhaskar	9870624711
6	Ajay Singh	Yashobhoomi	9702666868
7	Abhishek Kumar Pathak	Navbharat	9453707040

• Marathi Print Media

S. N.	Name of Media Persons	Publication name	Contact No./ Mobile No.
1	Mahesh Chemte	Maharashtra Times	8097266000
2	Kuldeep Ghayawat	Loksatta	8108430116
3	Mahesh Kole	Lokmat	9930589125
4	Surekha Kurane	Navrashtra	9892868609
5	Nitin Binekar	Sakal	9082620945
6	Mangesh Darade	Saamna	8108402307

5.13 ELECTRONIC MEDIA

MUMBAI ELECTRONIC MEDIA LIST

• English Electronic Media

S. N.	Name of Channel	Name of Media Persons	Mobile Number
1	Times Now	Abhishek Awasthi Shweta Nilesh	9869461148 9870472921 7045087587
2	CNN 18	Mihir Trivedi	9820687559
3	India Today	Mustafa Shaikh	9967460800
4	NDTV (English)	Anuj Rayate	7447622768

• Hindi Electronic Media

S. N.	Name of Channel	Name of Media Persons	Mobile Number
1	Aaj Tak	Vidya	9820703345
2	ABP News	Mrityunjay Rajesh Tripathi	8080025357 9619242744
3	Zee News	Ankur Tyagi	8291264980
4	NDTV India	Sunil Singh Paras Dama	9820609480 9892161169
5	Network 18 India	Vivek Prashant Pandey	7738380855 9167398407
6	India TV	Atul Singh Rajesh Kumar	9819996012 9833480835
7	TV 9 Bharat	Girish Anand Pandey Rajiv Singh	9930361199 9324181031 9028014448
8	Doordarshan	Siddharth Bodke (IIS) Yogesh Sheetal Shyama Shishir Shelar Suresh Kale (cameraperson)	9869260989 9910885984 9819387262 8097529259 8104317358
9	ANI	Indrajeet Ranjeet Singh Amir Khan Prashant	8080536964 8130800771 9167427123 9167398407
10	News Nation	Pankaj Abhishek	9920800607 9324390098
11	News 24	Vinod Jagdale	9819771903

DISASTER MANAGEMENT PLAN

		Rahul Pandey	9920614123
12	CNBC tv 18	Dhananjay	9987875734
13	R Bharat	Satyaprakash Sharma	9930541810
14	Bharat Express	Aanchal Tiwari	8433684011
15	Live TV	Ashok Shukla	9967011541
16	PTI	Talim Ansari	9136181747
17	ET Now Swadesh	Anurag Shah	9167383470

• **Marathi Electronic Media**

S. N.	Name of Channel	Name of Media Persons	Mobile Number
1	ABP Majha	Akshay Bhatkar	9619030501
2	News 18 Lokmat	Sneha Jadhav	9594298548
3	Saam TV	Mahendra Wankhede Suraj Sawant Rupali	73035505000 9773323184 9768337722
4	Lokshahi News	Bhushan Shinde Jyotsna	8898644192 7507169450
5	Pudhari	Dhananjay Dalvi	9920456238
6	NDTV Marathi	Mahesh Bagal Sumit Bagal Devendra Kolhatkar Jui Manoj Satvi (Palghar)	9930456452 9820450280 9870593445 9757428774 9273796999
7	ETV Marathi	Prashant Godse Ghanshyam	8805372525 8080829499

• **Radio**

S. N.	Name of Channel	Name of Media Persons	Mobile Number
1	AIR	Bharati Gandhi Saraswati Kuvlekar Sunita	9920818925 9869260891 8691953786

5.14 List of Fire Brigade station

S.N.	Name of Stn	Firm/Agency Address	STD Code	Phone number	Water Tank	Other Equipment
1	Churchgate	Control Room	022	101	Yes	Yes
		Coloaba	022	22043603	Yes	Yes
2	Marine Lines	Nariman Point Fire stn	022	22611942	Yes	Yes
3	Charni Road	Gowalia Tank	022	23806001	Yes	Yes
4	Grant road	Nanachowk	022	23806001 23857466	Yes	Yes
5	Mumbai Central	Fire Brigade Mumbai Central	022	23806001	Yes	Yes
		Byculla		24300178	Yes	Yes
6	Mahalaxmi	Worli	022	24300178 7709395560	Yes	Yes
7	Lower Parel	N M Joshi	022	22620111	Yes	Yes

DISASTER MANAGEMENT PLAN

				7506017766		
8	Prabhadevi	Worli	022	24300178 7709395560	Yes	Yes
9	Dadar	Dadar (E)	022	24134200	Yes	Yes
10	Matunga Road	Shivaji park	022	24134200	Yes	Yes
11	Mahim	Dharavi Fire Shivaji park DDR	022	24457203	Yes	Yes
12	Bandra	Bandra Fire stn	022	26435206	Yes	Yes
13	Bandra Terminus	Bandra(W) fire	022	26435206 26522426	Yes	Yes
14	Khar Road	Bandra fire	022	26435206	Yes	Yes
		Byculla fire	022	23085902	Yes	Yes
15	Santacruz	Vileparle fire stn(East)	022	26112121 9820068831	Yes	Yes
16	Ville parle	VLP Fire	022	26205301 26112121	Yes	Yes
17	Andheri	Andheri East-	022	29200941.	Yes	Yes
18	Jogeshwari	JOS Fire brigade	022	26205301	Yes	Yes
19	Rammandir	Gajanan Mohan	022	23085991	Yes	Yes
20	Goregaon	GMN fire brigade	022	28712869	Yes	Yes
21	Malad	MDD(W)	022	28071010	Yes	Yes
22	Kandivali	Kile Fire brigade	022	28050101	Yes	Yes
23	Borivali	MCGM Fire brigade(W)	022	23085991 23085992 23085993 23085994	Yes	Yes
24	Dahisar	DIC (E) fire	022	28977702	Yes	Yes
		DIC(W) fire	022	20891126	Yes	Yes
25	Mira Road	Mira-Bynder Fire brigade	022	28197637	Yes	Yes
26	Bhayandar	BYR(W)	022	28041000 9167860018	Yes	Yes
27	Naigaon	Fire brigade		8888864275	Yes	Yes
28	Vasai Road	Vasai west		8888864275 8805915101	Yes	Yes
29	Nallasopara	Fire station-East	-	982232684	Yes	Yes
30	Virar	Fire Brigade West		8888864283	Yes	Yes
31	Vatiarnea	VR(E)		8975360101	Yes	
		VR(W)		8888864283	Yes	
32	Saphale	PLG fire	0252	5253101	Yes	
		BOR fire		8108157160	Yes	
33	Kelva road	PLG	02525	233101	Yes	
		BOR	02525	272000 272262 8108157160	Yes	
34	Palghar	Fire brigade Palghar	02525	253101	Yes	
35	Boisar	Fire Brigade	02525	272262 272000	Yes	
36	Vangaon	BOR(MIDC) fire	02525	272000 272262 7020197608	Yes	
37	Dahanu road	AEMD drd Fire		9372681378	Yes	

DISASTER MANAGEMENT PLAN

38	Gholvad	UBR municipality		8347009042	Yes	
39	Umbargaon road	Umbargaon Fire brigade	0260	2560200 9099271604	Yes	
40	Sanjan	Sarigram	0260	2780222	Yes	
41	Bhilad	Sarigram	0260	2780222 2780222	Yes	
42	Karambeli	Nagar Palika VAPI	0260	2460100	Yes	
43	Vapi	Vapi fire brigade		9727774596	Yes	
44	Udwada	Nagar palika fire brigade	0260	246100	Yes	
45	Pardi	Nagar Palika VAPI	0260	2460100	Yes	
46	Atul	Nagar Palika BL	02632	244222	Yes	
47	Valsad	Nagar palika fire brigade	02632	244222	Yes	Yes
48	Dungri	Nagar Palika BL	02632	244222	Yes	
49	Bilimora	BIM fire brigade	02634	285637 9726120101	Yes	
50	Wagai	Bilimora fire brigagde	02634	285637 9726420101	Yes	
51	Amalsad	Fire brigade bilimora	02634	285637	Yes	
		Fire brigade Navasari	02637	259001	Yes	
52	Vedchha	Fire brigade jalpur	02637	283100	Yes	
		Navasari firebrigade	02637	259001	Yes	
53	Navasari	Govt.fire brigade	02637	259001	Yes	
		Fire officer- Vijalapur fire brigade	02637	283100 9925752017	Yes	
54	Maroli	Navasari fire brigade	02637	245101/286086/ 283100	Yes	
55	Sachin	GIDCE Sachin	0261	2397412 7874714141	Yes	
56	Bhestan	Govt.Fire Brigade		6359773860	Yes	
57	Udhna	Udn fire brigade	0261	2414139 2414195 2414196	Yes	
58	Surat	Ghachi fire brigades	0261	240973	Yes	Yes
59	Niyol	Dindoli fire	0261	2414139 6359772859 9099986787	Yes	Yes
60	Chalthan	Dindoli	-	6359773859 6359909184	Yes	
61	Gangadhara	Bardolifire	02622	220101	Yes	
62	Bardoli	Bardoli	02622	220101	Yes	
63	Timberva	Bardoli fire	02622	220101	Yes	
64	Madhi	Vyara fire	02626	220101	Yes	
65	Lotarva	Vyara fire	02626	220101	Yes	
66	Vyara	Vyara	02626	220101	Yes	
67	Kikakui road	Ukai Songhad	02624	221073/ 8980017636	Yes	
		Vyara	02626	220101	Yes	

DISASTER MANAGEMENT PLAN

68	Ukai songhad	USD Fire	02624	221073/ 8980017636	Yes	
69	Lakkad kot	Ukai SONGARH	NA	8980017636	Yes	
70	Bhadbhunja	Ukai SONGARH	NA	8980017636	Yes	
71	Navapur	NAVAPUR	02569	250175 250100 9518300035	Yes	
72	Kolde	NAVAPUR	02569	250175, 250100 9423031100	Yes	
73	Chinchpada	NAVAPUR	N.A	9423031100	Yes	
74	Khatgaon	NANDURBAR	N.A	9763622876	Yes	
75	Khandbara	NANDURBAR	N.A	9763622876	Yes	
76	Bhadvad	NANDURBAR	N.A	9763622876	Yes	
77	Dhekwad	NANDURBAR	NA	9763622876	Yes	
78	Nandurbar	NANDURBAR	NA	9763622876	Yes	
79	Choupale	NANDURBAR	NA	9763622876	Yes	
80	Tisi	NANDURBAR	NA	9763622876	Yes	
81	Ranala	NANDURBAR	NA	9763622876	Yes	
82	Dondiche	DONDICHE	NA	9420777561	Yes	
83	Vikhran	Dondaicha		9637616238	Yes	
84	Sindkheda	Nagar panhayat Fire brigade	02566	221043 8055648225	Yes	
85	HOL	Sindhkheda Fire brigade	02566	221042	Yes	
86	Nardana	Thakkerkeda Fire brigade		8055648225	Yes	
		Dhule fire brigade		101	Yes	
87	Padse	Padse Fire Brigade	02587	000101 244012 9850765588	Yes	
88	Bhortek	Amalner Fire brigade	02587	222101	Yes	
89	Amalner	Amalner Fire brigade	02587	222101/985076 5588	Yes	
90	Takherkhede	Amalner Fire Brigade	02587	222101	Yes	
91	Dharangaon	Fire Brigade	02588	251237 9637426374	Yes	
92	Chavalkhed	DXG Fire	02588	251237 9637426374	Yes	
93	Paldhi	DXG Fire	02588	251237	Yes	

5.15 Telephone No. & Location of ART/ARME

Sr.No	Stn/Location	ART/ARME	Class/Scale	Crane	Incharge Name	Designation	Mobile No.	Railway Phone No.	Exit Signal/Double
1	BA	SPART	Scale-I	---	Shri. Shubham Mane	SSE(MW)/BDTS	9004498462	9004498888 (O)	Single
2	BL	ART	'B'	---	Shri. Ravi Pratap Singh	SSE(C&W) BL	9724099436	49281(O) 49381(R)	Double
3	BL	ARME	Scale-I	---	Shri. Rahul S.Khullar	SSE(C&W) BL	9724099429	49284(O)	Double
4	BIM	ART	C	---	Shri. Umashankar Sharma	MCF-BIM	9724099161	49440(O)	Single
5	UDN	ART	'A'	140 T	Shri. Brajendra singh	SSE(C&W) UDN	9574099474	41812(O)	Double
6	UDN	SPARME	Scale-I	---	Shri. P.K. Singh	SSE(C&W) UDN	9724099457	41812(O)	Single
7	NDB	ART	'B'	---	Shri. Suryadeo Kumar	SSE(C&W) NDB	9004498419	49829(O)	Single
8	NDB	ARME	Scale-I	---	Shri. Avinash Patil	SSE(C&W) NDB	9004471409	49829(O)	Single

5.16 Satellite telephone nos. for Disaster Management, Mumbai Division

Sr. No.	Division/Location	Satellite Phone no.			Control office Telephone	
		Voice	Fax	Data	MTNL/BSNL	RAILWAY
1	Mumbai / ART-Bandra	8991112773	....	....	CTNL/MMCT	
					022-23070564	090-44615 / 625
					Disaster Management/MMCT	
2	Mumbai / Test Room-MMCT	8991115774	....	....	....	090-44665
					Disaster Management/CCG	
3	Disaster Mgmt/CCG	8991126530			022-22067931 022-22067932	090-23625/628 090-23187/189/191
4	Mumbai / ART-BL	8991120862	....	....	CTNL/BL	
5	Mumbai / ARME-BL	8991120864	....	....	....	BL-VR : 090-45668 BL-ST : 090-45669
6	Mumbai / ART-UDN	8991112774	....	....	CTNL/NDB	
7	Mumbai / ARME-UDN	8991120863			....	CTNL/NDB : 090-44663/88 NDB-BSL : 090-45626 ST-NDB : 090-45627
8	Mumbai / ART NDB	8991120861				
9	Mumbai / ARME-NDB	8991112772	....	....		

CHAPTER – 6**DATA BANK OF VADODARA DIVISION****6.1 TELEPHONE NUMBERS OF DIVISIONAL OFFICERS**

Sr. No	Designation	P&T NO. STD Code- 0265	Railway Phone (Office) STD Code- 091	Railway Phone (Resi.)	Mobile
1	DRM	2638081	44000	44001	9724091000
2	ADRM	2641414	44002	44003	9724091001
3	PS(G) TO DRM	--	44017	--	9724091010
4	Sr.DMM	2637101	44960	44961	9724091750
5	SMM-ELS-BRCY	2762733	46566	44748	9724091751
6	ADMM-BRC	2658858	44057	--	9724091898
7	Dy.CMM	--	44558	--	9724045550
8	HINDI OFFICER	--	44013	44027	9724091731
9	CPM(GS)	--	44010	44011	9724091041
10	Dy.CE(GS)	--	--	--	9724091255
11	ADEN(GS)	--	--	--	9724040498
12	CMS	--	44900	--	9724091503
13	ACMS(Path.)	--	44910	--	9724091510
14	ACMS(BRCP)	--	43900	--	9724091504
15	Sr.DMO(Paed.)	--	44916	--	9724091508
16	DMO(Anasthesia)	--	44938	--	9724091506
17	DMO(MS)Surgey	--	44912	--	9724091507
18	DMO(Ortho.)	--	44914	--	8289822070
19	DMO(Phys.)	--	44922	--	9724091516
20	ADMO(Gynco)	--	--	--	9724092512
21	ACMS(BRCY)	--	46663	--	9724091515
22	ADMO-Urologist	--	--	--	9724091514
23	ADMO-DNB	--	48272	--	9724035830
24	ADMO-MBBS	--	--	--	9047081830
25	ADMO-MBBS	--	--	--	9724091521
26	ADMO-MD-PHYSICIAN	--	--	--	8078079535
27	Sr. DSO	--	44604	44605	9724091730
28	DSO	--	44694	44695	9724091731
29	Sr. DOM	--	44600	44601	9724091900
30	Sr.DOM(G)	--	44650	44653	9724091905
31	DOM	--	44602	44603	9724091901
32	AOM(G)	--	44608	--	9724091904
33	AOM(C)	--	44612	44615	9724091902
34	AOM(M)	--	44606	44611	9724091903

35	SD/BRCP	--	--	--	9724091907
36	ARO(KRCA)	2232470	47260	44607	9724091906
37	Sr.DAUI	--	44150	44151	9724091190
38	ADAUI-I	--	44157	--	9724091192
39	ADAUI-II	--	44155	--	9724091432
40	ADAUI-LAP	--	44150	44158	9724091191
41	Sr. DFM	2641996	44100	44101	9724091100
42	DFM	2642526	--	44103	--
43	ADFM-I	--	44104	--	9724091102
44	ADFM-II	--	44102	--	9724091103
45	ADFM-III	--	44110	--	9724091101
46	ADFM-IV	--	--	--	9724091047
47	Sr. DPO	265221	44700	44701	9724091601
48	DPO	--	44702	44703	--
49	APO-Traffic	--	44706	44707	9724091603
50	APO-Engg.	--	44708	44709	--
51	APO-Electrical	--	44712	--	9724091631
52	Sr. DCM	2641392	44200	44201	9724091950
53	DCM(FM)	--	44202	44203	9724091952
54	DCM(PM)	2640340	44204	--	9724091951
55	ACM(PM)	--	44210	--	9724091953
56	ACM(FM)	--	44060	--	9724091954
57	Sr. DSC	2652650	44970	44971	9724091700
58	ASC	2641279	44972	--	9724091701
59	Sr. DEE (P)	-	44300	44301	9724091300
60	ADEE-P	--	44306	--	9724091304
61	Sr. DEE (TRO)	2641365	44312	44313	9724091301
62	ADEE(TRO)	--	44342	--	9724091307
63	Sr. DEE (TRD)	2641959	44302	44303	9724091302
64	DEE(TRD)	--	44357	44377	9724091340
65	ADEE(TRD)-BRC	--	44308	--	9724091306
66	Sr. DME	2641592	44500	44501	9724091400
67	DME	--	44502	44503	--
68	ADME-BRC	--	--	--	9724091402
69	DME-KRCA	2230950	47250	44454	9724091405
70	ACDO	--	44504	44505	9724091403
71	Sr.DEE(MEMU)	2793703	46600	--	9724091309
72	ADME-MEMU	--	46601	--	9724000437
73	Sr. DEN (Co)	2641692	44400	44401	9724091200
74	Sr. DEN (N)	--	44402	44403	9724091202
75	Sr.DEN (E)	2652267	44408	44409	9724091204
76	Sr.DEN (S)	2652220	44404	44405	9724091201
77	Sr. DEN(W)	--	44406	44415	9724091203
78	Dy.CE(Bridge)	--	44467	44468	9724093008
79	ADEN(Track)	--	44414	44407	9724091207
80	ADEN(N)	--	44410	44411	9724091205

81	ADEN(W)	--	44412	44413	9724091206
82	ADEN(G)-BRC	--	44432	--	9724091217
83	ADEN-Bridge	--	44417	44418	9724091232
84	ADEN-TMC	--	44461	--	9724091211
85	ADEN-GDA	--	42300	42301	9724091218
86	ADEN-ANND	--	48240	48241	9724091215
87	ADEN-ND	--	43761	43762	9724091213
88	ADEN-S-BH	--	41300	41301	9724091216
89	ADEN-N-BH	--	41302	41303	9724091212
90	Sr. DSTE(Co)	2641892	44800	44801	9724091800
91	Sr. DSTE(N)	2633809	44808	44809	9724091804
92	Dy.CSTE(Works)	--	44815	--	9724098800
93	DSTE(Works)	--	44811	44873	9724091897
94	DSTE(N)	--	44810	44893	9724091809
95	DSTE-W-I	--	44804	44843	9724091803
96	DSTE – I	--	44802	--	9724091801
97	ADSTE-BRC(Sig.)	--	44812	--	9724091807
98	ADSTE-Tele	--	44806	--	9724091835
99	ADSTE-Works	--	44834	44871	9724098810
100	ADSTE-GDA	--	42360	--	9724091805
101	ADSTE-ANND	--	48350	48251	9724091845
102	ADSTE-BH-North	--	41260	41261	9724091806
103	ADSTE-BH-South	--	41250	41251	9724091808
104	Sr. DEE (TRS)	2772595	46700	44305	9724091303
105	DEE(TRS)	2772556	46501	--	9724091311
106	DEE(TRS)-I	--	--	--	9724088889
107	ADEE(TRS)	--	46704	--	9724091310
108	SMM-ELS	2762733	46566	44748	9724091751
109	SEE-LS-DB	--	--	--	9724091308
110	Dy.CME(Project)	2641292	44550	44551	9724091450
111	Dy. CME(Workshop)	--	44552	44527	9724091451
112	AWM	--	44556	44553	9724091453
113	AWM(Workshop)	--	44558	--	9724091752
114	CPM-C-I-BRC	--	--	--	9004490282
115	CPM-C-II-BRC	--	--	--	9004490266
116	DY. CE(C)-I	2641180	44450	44451	9724091250
117	DY. CE(C)- II	2656289	44480	--	9724091251
118	Dy. CE(C)-III	--	--	--	9724091253
119	Dy. CE(C)-IV	--	--	--	9274699369
120	AXEN(C)-I	--	--	--	9724091225
121	AXEN(C)-II	--	--	--	9724091226
122	AXEN(C)-III	--	--	--	9724091249
123	AXEN	--	--	--	9316755476
124	AXEN(C)	--	--	--	9316755475

125	AXEN(C)	--	--	--	9724091256
126	AXEN(C)	--	--	--	9004441291
127	AXEN(C)	--	--	--	9724091243
128	DY. CEE(C)	2641718	44350	44351	9724091350
129	AEE(C)	--	--	--	9724040627
130	DY. CSTE (C)	--	44850	44851	9510771850
131	DSTE(Const.)	--	44852	44853	9724091851
132	ADSTE(C)-BRC	--	44859	--	9724091853

6.2 RAILWAY STATIONS WITH P&T & AUTO PHONE NUMBERS

Sr No	Name Of Station	Station Code	STD Code	Telephone number	Rly. STD Code	Railway Phone Number	Mobile No.	
							Station Master	Traffic Inspector
1	UTRAN	URN	--	9408103074	091	41229	9724098585	TI/AKV 9724098403
2	KOSAD	KSE	--	9408474308	091	41228	7043413586	
3	KAWAS	KWS	--	9428402102	091	--	9724098412	
4	KRIBHCO	KBCS	0261	2802471 6359266401	091	--	9724098413	
5	GOTHANGAM	GTX	--	9426212606	091	41227	9724098454	
6	SAYAN	SYN	--	9408474304	091	41221	9724098472	
7	KIM	KIM	--	9408474292	091	41218	9724098677	
8	KOSAMBA	KSB	--	9408103122	091	41209	9724098415	
9	PANOLI	PAO	--	9429616908	091	41207	9724098460	
10	ANKLESWAR	AKV	02646	248528	091	41502	9724098416	
11	S.S./BHARUCH	BH	02642	267347	091	41210/1 1	9724098417	TI/BH 9724098444
	BHARUCH-EI	BH-EI	--	--	091	41217		
	Dy.SS-BHARUCH	BH	02642	267347	091	41212		
12	CHAVAJ	CVJ	--	9484819676	091	41271	9724091168	
13	THAM	THAM	--	--	091	41400	8178719447	
14	SAMNI	SAMN	--	--	091	41401	9054522044	
15	VAGARA	VGRA	--	--	091	41402	9558608102	
16	PAKHAJAN	PKJN	--	--	091	41403	9935577648	
17	DAHEJ	DGFJ	--	--	091	41404	8292452277	
18	NABIPUR	NIU	02642	238909	091	41205	9724098438	
19	PALEJ	PLJ	--	9408474343	091	44662	7043030369	TI/MYG 9724098404
20	LAKODRA	LKD	--	9426375927	091	44397	9724098497	
21	MIYAGAM	MYG	--	9408474592	091	44661	9724098418	
22	KASIPURA	KSPR	--	9426069417	091	44396	9724098674	
23	ITOLA	ITA	--	9426214697	091	44681	9724096908	
24	VARNAMA	VRM	--	9426241907	091	44990	9724098671	
25	MAKARPURA	MPR	--	9484976611	091	44680	9724091185	

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26	KAYAVAROHAN	KV	--	9408474530	091	49481	9724098586	
27	SAMLAYA	SMLA	--	9408474382	091	42286	9724098440	TI/GDA 9724098408
28	CHAMPANER	CPN	--	9408474402	091	42285	9724098429	
29	BAKROL	BKRL	---	9426476560	091	42284	9724098441	
30	DEROL	DRL	02676	235131	091	42283	9724098428	
31	KHARSALIA	KRSA	--	9426411959	091	42282	9724098442	
32	S.S.GODHRA	GDA	02672	249131	091	42211	9724098430	
	Dy S.S.GODHRA				091	42212/1 3		
	GDA LOBBY		--	--	091	42217/1 9		
33	VAVDIKHURD	VKG	--	9426470875	091	42421	9724098457	
34	ODE	OD	--	9409504153	091	48429	7043786643	TI/DK 9724098409
35	DAKOR	DK	--	9408474603	091	42427	9724098435	
36	THASARA	TAS	--	9499550833	091	42426	9724098467	
37	SEVALIA	SVL	--	9427883350	091	42424	9724091186	
38	WANAKBORI	WKB	--	9499666609	--	--	9724098436	
39	TIMBA	TBA	--	9408474418	091	42423	9724098441	
40	VISHWAMITRI	VS	--	9408474358	091	43617	9724098439	
41	VADODARA	Dy.SS	0265	2664002	091	43614	9724091182	TI/BRC 9724098405
		RRI	--	--	091	43623		
42	BRC 'COC' Yard	BRCY	--	9408102890	091	46728/1 9	9724098420	
			--	--	091	46702/0 3		
43	CHHAYAPURI	CYI	--	9499556766	091	42288	9724091937	
44	BAJWA	BJW	0265	2242239	091	43661	9724098421	
45	KARCHIYA	KRCA	--	9429902152	091	47264	9724098422	
46	RANOLI	RNO	--	9408474522	091	46710	9724098423	
47	PILOL	PIO	--	9426468537	091	42287	9724098462	
48	VASAD	VDA	--	9408474515	091	43668	9724098424	
49	ADAS ROAD	ADD	--	9499665252	091	48772	9898416277	
50	VADOD	VXD	--	9427883764	091	43670	7043607048	
51	ANAND	ANND	EI	--	091	48288/ 48314	9724098425	TI/ANND 9724098406
			SS/Dy SS Office	02692- 241131	091	48280		
					091	48286		
52	PETLAD	PTD	--	9408474502	091	48801	9724098433	
53	KHAMBHAT	CBY	--	9408474506	091	48821	9724091184	
54	KANJARI BORIYAVI	KBRV	--	9408474463	091	48741	9724098449	TI/ND 9724098407
55	UTARSANDA	UTD	--	9408474528	091	48734	9724098535	
56	NADIAD	ND	SS / Dy SS	9408474437	091	48682 (SS) 48292(DyS S)	9724098426	

			EI	--	091	48696		
57	GOTHAJ	GTE	--	9426214863	091	48671	9724098508	
58	MAHEMDAVA D	MHD	--	9408474436	091	43675/ 48641	9724098427	
59	KANIJ	KANJ	--	9408474433	091	48631	9724098542	
60	BAREJADI	BJD	--	9408474432	091	48611	9724098541	
61	GERATPUR	GER	--	9408500708	091	48601	9662402346	TI/DB 9724098410
62	PRATAPNAGA R	PRTN	0265	2630734	091	44632	9724098431	
63	KUNDHELA	KDHL	--	9429924759	091	49421	9991163876	
64	DABHOI	DB	--	9408103235	091	49312	9724098432	
65	CHUCHHAPUR A	CCP	--	9426360392	091	49313	9724091139	
66	BODELI	BDE	02665	220700	091	49420	9724098548	
67	PAVI	PAVI	02664	242500	091	49315	8432764636	
68	CHHOTAUDEP UR	CTD	02669	232300	091	49459	7043784546	
69	PADALIYAROA D	PLRD	--	9426068967	091	44248	7043904621	
70	MOTI SADHLI	MTSI	--	9426036047	091	44249	9724098554	
71	AMBARI RICHHAVI	ABRV	--	9510764824	091	44250	9724098446	
72	ALIRAJPUR	ARPR	--	9510764816	091	44251	7043026699	
73	KHANDALA	KADA	--	9408102918	091	49512 44247	7043021746	
74	JOBAT	JOBT	--	9408102893	091	49513	9274698074	
75	EKTA NAGAR	EKNR	--	9510764931	091	49322	9724098525	
76	TILAKWADA	TKW A	--	7043360378	091	49021	--	
77	CHANDOD	CDD	--	9510764941	091	49320	9724098513	

6.3 RAILWAY STATIONS WITH NEARBY POLICE THANA

Sr. No.	Name of Station	Station Code	Nearby Police Station	STD code	P&T No Phone No.
1	UTRAN	URN	UTRAN	0261	2496054
2	KOSAD	KSE	AMROLI	0261	2497700
3	KAWAS	KWS	ICCHAPORE	0261	2860197
4	KRIBHCO	KBCS	ICCHAPORE	0261	2860197
5	GOTHANGAM	GTX	SAYAN	02621	242130
6	SAYAN	SYN	OLPAD	02621	222043
7	KIM	KIM	KIM	02621	230684
8	KOSAMBA	KSB	KSB	02629	231444
9	PANOLI	PAO	PAO-GIDC	02646	243542

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10	ANKLESWAR	AKV	AKV	02646	247352
11	BHARUCH	BH	BHARUCH	02642	269133
12	CHAVAJ	CVJ	BHARUCH	02642	225312
13	NABIPUR	NIU	NABIPUR	02642	283233
14	PALEJ	PLJ	PALEJ	02642	277333
15	LAKODRA	LKD	MIYAGAM	02666	232060
16	MIYAGAM	MYG	MIYAGAM	02666	232060
17	KASIPURA	KSPR	MIYAGAM	02666	232060
18	ITOLA	ITA	VARNAMA	--	6359627267
19	VARNAMA	VRM	VARNAMA	--	6359627267 9265215750
20	MAKARPURA	MPR	MAKARPURA	0265	2651915 2656000
21	VISHWAMITRI	VS	MANJALPUR	0265	2635856
22	VADODARA	BRC	SAYAJIGANJ	0265	2362400 9978999700
23	BRC Yard	BRC Y	SAYAJIGANJ	0265	2362400 9978999700
24	CHHAYAPURI	CYI	CHANI	0265	2773394 6359626558
25	PILOL	PIO	SAVLI MANJUSAR	-- 02667	6359629586 264304
26	SAMLAYA	SMLA	JAROD	--	6359629589
			SAVLI	--	6359629586
27	CHAMPANER	CPN	SAVLI	--	6359629586
28	BAKROL	BKRL	KALOL	02676	235100 6359627390
29	DEROL	DRL	KALOL	02676	235100 6359627399
30	KHARSALIA	KRSA	VEJALPUR	02676	234633
31	GODHRA	GDA	GODHRA	02672	243147
32	BAJWA	BJW	JAWAHAR NAGAR	0265	2232382
33	KARCHIYA	KRCA	JAWAHAR NAGAR	0265	2232382
34	RANOLI	RNO	JAWAHAR NAGAR	0265	2232382
35	VASAD	VDA	VASAD	02692	274245 6359626474
36	ADAS ROAD	ADD	VASAD	--	6359626474
37	VADOD	VXD	VASAD	--	6359626474
38	ANAND	ANND	ANND	02692	241233
39	KANJARI BORİYAVI	KBRV	CHAKLASI	--	6359626733
40	UTARSANDA	UTD	CHAKLASI	0268	2580633
41	NADIAD	ND	ND	0268	2550232

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					2564150
42	GOTHAJ	GTE	MAHEMDABAD	02694	244082
43	MAHEMDAVAD	MHD	MAHEMDABAD	02694	244082
44	KANIJ	KANJ	MAHEMDABAD	02694	244082
45	BAREJADI	BJD	VIVEKANAND NAGAR	--	6359626392
46	GERATPUR	GER	VIVEKANAND NAGAR	--	6359626392
47	ODE	OD	BHALEJ	02692	28663 6359626472
48	DAKOR	DK	DAKOR	02699	244733 244734
49	THASARA	TAS	THASARA	-	6359628966
50	SEVALIA	SVL	SEVALIA	02699	233935
51	WANAKBORI	WKB	SEVALIA	02699	233935
52	TIMBA	TBA	KAKANPUR	02672	286108 6359629912
53					
54	VAVDIKHURD	VKG	GODHRA	02672	243147
55	PETLAD	PTD	PETLAD	02697	224033
56	KHAMBHAT	CBY	KHAMBHAT	02698	221133
57	THAM	THAM	BHARUCH	02642	269133
58	SAMNI	SAMN	VAGRA	02641	225233
59	VAGARA	VGRA	VAGRA	02641	225233
60	PAKHAJAN	PKJN	VAGRA	02641	225233
61	DAHEJ	DGFJ	DAHEJ	02641	256233
62	EKTANAGAR	EKNR	EKTA NAGAR	02640	232229 9265366905
63	TILAKWADA	TKWA	TILAKWADA	02661	266333 9925156997
64	CHANDOD	CDD	CHANDOD	02663	233233
65	PRATAPNAGAR	PRTN	MAKARPURA	0265	2651915
66	KUNDHELA	KDHL	MAKARPURA	0265	2651915
67	DABHOI	DB	DB	02663	254800
68	BODELI	BDE	BODELI	02665	220333 7433975934
69	CHHUCHAPURA	BDE	BODELI	02665	220333 7433975934
70	PAVI	PAVI	PAVIJETPUR	02664	242133 7433975936
71	CHHOTAUDEPUR	CTD	CTD	02669	232068 7433975935
72	PADALIYAROAD	PLRD	RANGPUR	02669	246101
73	MOTI SADHLI	MTSI	RANGPUR	02669	246101
74	AMBARICHHAVI	ABRV	CHANDPUR	07394	263033, M- 7587626302
75	ALIRAJPUR	ARPR	ALIRAJPUR		233529, M-7587616731

76	KHANDALA	KADA	NANPUR AMBUA	--	9669513397 9201503737
77	JOBAT	JOBT	JOBAT	--	7772999190 9753964798
78	KAYAVAROHAN	KV	KAYAVAROHAN	--	9979644104

6.4 LIST OF CIVIL AUTHORITIES

Sr. No	District	Designation	P&T No Office	Residence	Mob. No
1	VADODARA (Code 0265)	Collector	2433000	2313131	9978406224
		Dist.Development officer	2432027	--	9978406249
		Residential Addl. Collector	2419700	--	9978405196
		CP	2415111 2411751	--	9978406095
2	ANAND (Code 02692)	Collector	02692-262271	261000	9978406203
		Dist.Development officer	264110	264500	9978406228
		Residential Addl. Collector	262040	--	9978405175
		SP	260027	261333	9978405064
3	AHMEDABAD (Code 079)	Collector	27551681	22863598	9978406201
		Dist.Development Officer	25506487	27551048	9978406226
		Resident Addl. Collector	27561970	--	9978405173
		SP	26890440	--	9978406342
4	KHEDA (Code 0268)	Collector	2553334	2556700	9978406212
		Dist.Development Officer	2557262	2532802	9978406237
		Resident Addl. Collector	2553336	-	9978405597
		SP	2550250	2550249	9978405072
5	DAHOD (Code 02673)	Collector	239001	251888	9978406207
		Dist.Development Officer	239066	224044	9978406232
		Residential Addl. Collector	239234	-	9978405179
		SP	222300	242300	9978405068
6	BHARUCH (code 02642)	Collector	240600	223701	9978406205
		Dist.Development Officer	240603	240880	9978406230
		Residential Addl. Collector	222332	231275	9978405177
		SP	223633	223330	9978405066
7	SURAT (Code 0261)	Collector	2652525	--	9978404222
		Dist.Development Officer	2422160	2667453	9978406247
		Residential Addl. Collector	2669200	--	9978405220
		SP	2651831	--	9978405082
8	NARMADA	Collector	222161	222162	9978406216

	(Code 02640)	Dist.Development Officer	224820	222417	9978406241
		SP	222167	222166	9979405076
9	PANCHMAHAL (Code 02672)	Collector	242800	242900	9978406217
		Dist.Development Officer	253377	253399	9978406242
		Residential Addl. Collector	242450	--	9978405217
		SP	242200	242629	9978405077
10	ARAVALI / MDSA (Code 02774)	Collector	250201	241011	9978405935
		SP	248999	248402	997805978
11	MAHISAGAR (Code- 02674)	Collector	250664	253555	9978405936
		SP	254001	250810	9978405980
12	CHHOTAUDEPUR (Code-02669)	Collector	233003	232001	9978405937
		SP	233077	233118	9978405977
13	ALIRAJPUR (Code-07394)	Collector	234400	--	--
		SP	233350	--	--

6.5 LIST OF MEDICAL FACILITIES

S. N.	Station Code	Name Of Hospitals	Facility Available							Phone No. P&T No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD Code	
1	ST	CIVIL HOSPITAL, SURAT	YES	YES	YES	YES	YES	YES	0261	2244457
		MAHAVIR HOSPITAL, SURAT	YES	YES	YES	YES	YES	YES	--	9825125148
		METAS ADVENTIST HOSPITAL, SURAT	YES	YES	YES	YES	YES	YES	0261	7160300
2	AKV	SHRIMATI JAYABEN MODI HOSPITAL, NEAR GIDC COLONY, VALIYA ROAD, AKV	YES	YES	YES	YES	YES	YES	02646	222220 9327474947
		SARVJANIK HOSPITAL, AKV	YES	YES	YES	YES	YES	YES	02646	248461
3	BH	CIVIL HOSPITAL	YES	YES	YES	YES	YES	YES	--	9426858228
		SEVASHRAM HOSPITAL	YES	YES	YES	YES	YES	YES	--	6353422804
4	BRC	BHAILAL AMIN HOSPITAL	YES	YES	YES	YES	YES	YES	0265	6776222 8069707070
		NARHARI AMIN HOSPITAL	YES	YES	YES	YES	YES	YES	0265	2794413/14
		SAYAJI HOSPITAL	YES	YES	YES	YES	YES	YES	0265	2424848
5	ANND	SHRI KRISHNA HOSPITAL, KARASAD	YES	YES	YES	YES	YES	YES	02692	228100 228259

										228412
		IRIS HSOPITAL	YES	YES	YES	YES	YES	YES	02692	288200 288288
		ZYDUS HOSPITAL	YES	YES	YES	YES	YES	YES	02692	619501
6	ND	MAHAGUJARAT HOSPITAL	YES	YES	YES	YES	YES	YES	0268	2523361 2523362
		DHARAMSINGH DESAI HOSPITAL	YES	YES	YES	YES	YES	YES	0268	2555723
7	MDSA	CIVIL HOSPITAL	YES	YES	YES	YES	YES	YES	02774	246236
8	MHD	VED MULTI SPECIALITY HOSPITAL	YES	YES	YES	YES	YES	YES	--	9924945130
9	GDA	CIVIL HOSPITAL	YES	YES	YES	YES	YES	YES	--	8980045364
		LARA HOSPITAL	YES	YES	YES	YES	YES	YES	02672	240225 9979422122

6.6 LIST OF BLOOD BANKS

S. No	Station	Name of Blood Bank	P&T No.	
1	Vadodara	Indu Blood bank	0265	2437676 7069317676
		Jalaram Blood Bank	0265	9558808911 2464130
		SSG Hospital Blood Bank	0265	2424848
2	Bharuch	Red Cross Blood Bank	02642	243603
3	Ankleshvar	Kumarpal Gandhi Blood Bank, Ankleshvar	-	9081102102
4	Godhara	Raktdan Blood Bank	02672	242153
		Indian Red Cross Society	02672	252830 9428120260
5	Anand	A.D.Gorwala Blood bank	02692	228329
		Indu Blood Bank	--	9824436524
		Indian Red Cross society	02692	243406 9428843406
		Ghanshyam Blood Bank	02692	252744
		Kumarpal Gandhi Blood Bank	02692	
6	Kapadvanj	Red Cross	02691	263255
7	Nadiad	Indian Red Cross Society	0268	2566944 2566500 9825190351
		Kidney Hospital	0268	2520323
8	Petlad	Indian Red Cross Society	02697	222251
9	Alirajpur	District Hospital Alirajpur	--	9425345818
10	Rajpipala	Red Cross Society	02640	222201
11	Surat	Lok Samarpan Raktdan Kendra	0261	2541414 2547575 9879468280

		Surat Health Care Foundation	0261	9712990094
		Saviour Voluntary Blood Bank	--	7487995555
		Sardar Vallabhbhai Patel Blood Bank	0261	2772999 9850271070

6.7 MILITARY ORGANIZATION

S.No.	City	Name	STD Code	Office
1	AHMEDABAD	Army Exchange	079	22856251
2	GANDHINAGAR	Major	079	(O)23200930(R)23201117 9725021003
3	GANDHINAGAR	Captain	--	9888657325
4	AHMEDABAD	Air Traffic Control	079	22869251
5	GANDHINAGAR	Army Exchange	079	23201507
6	DELHI	Air Force,HQ	011	23010231,25687194-97
7	GANDHINAGAR	Coast Guard	079	23243264(O),23243283(F) 23241717(O)
8	MUMBAI	Coast Guard	022	24372472,24333727(F)24333727, 24372920
9	VADODARA	NCC (GP HQ)	0265	2787364 2750084
10	VADODARA	3 GUJ BN NCC, VADODARA	0265	2704037
11	VADODARA	SRPF Commandant	0265	2431551

6.8 PARA- MILITARY ORGANIZATION

Designation	Telephone No.	Unit Control Room No.	Fax No.
6 th BN NDRF, Jarod Camp,Teh-Wagodia, Vadodara, Pin - 391510	02668-299182	02668-299201 09870006730	--

6.9 BOMB DETECTION SQUAD, PETROLEUM DEPOT

Sr. No.	Organization	Station	Location	STD Code	P&T No.
1	Bomb detection Squad (RPF)	BRCP	BRCP	--	091-43974(Rly)
2	Bomb detection Squad (GRP)	BRCP	BRCP	0265	2417100 8160422614(PSI)
3	Bomb detection Squad, Vadodara City Police	Vadodara City	Vadodara City	0265	2436999

6.10 LIST OF ROAD TRANSPORT PROVIDERS

S. N.	Station	Name of Firm	STD Code	P&T No.	Mobile No.

1	BRC	SHAKTHI TRANSPORT CO.	0265	2646915	9824096845
2	BRC	CHANDAN CARGO CARRIERS	0265	2540801	9227412513
3	BRC	RAI ROADLINES	0265	2633367	9724566565
4	BRC	CHISTIYA ROADWAYS	0265	2541992	9913807679
5	BRC	uniGOODS INDIA CARRIERS Pvt. Ltd.	0265	2637510	9377235475
6	BRC	SUBH LAXMI TEMPO SERVICE	0265	540051	9904917871
7	BRC	NEW MAHAVIR CONTAINER SERVICE	0265	3267877	9375267877
8	BRC	MAYUR TRAVELS	--	--	8401800160 9428763643
9	BH	MODI TRANSPORT	--	--	9328072456
10	AKV	VIDHI TRANSPORT	02646	225777	9377123242
11	AKV	AJANTA CARGO MOVERS	02646	234634	9429337634
12	AKV	JAGRUTI ROADWAYS	02646	224399	9327194282
13	AKV	SARVODAY FREIGHT CARRIERS	02646	291103	9427130621
14	ANND	AJNABI TRANSPORT ORGANISATION	--	--	9909700786
15	ANND	BHAGYODAY ROADLINES	02696	284464	9979126648
16	ANND	GURUKRUPA ROADLINES	02692	274377	9879898521
17	GDA	GADHVI TRANSPORT SERVICE	02672	260820	9904014333
18	GDA	NARAYAN TRANSPORT	02676	325858	9898060960

6.11 JCB MACHINES, TRUCKS, BULLDOZERS AND CRANE PROVIDERS

Sr. No.	Major Section	Block Section	Station Name	Name of Firms with address	STD Code	PNT No.	Mobile No.	Equipment Available
1	BRC-ST	BRC-VS	BRC	HR Lifter and Movers, VIP Ring Road, Golden Chowkdi, Vadodara	--	--	9879317452	Brake Down Crane , Hydra JCB, fork lift
2		VS-MPR	VS	Akshar Crane Hiring, New Bright School, Karelibaug, Vadodara	--	--	9924025084	Crane ,boom lift
3		MPR-VRM	MPR	Shreeji Crane Services Opp. Prakruti Resort, Chhani, Vadodara	--	--	9426005728	Crane, JCB, Tractor, Hydra, trailer
4		VRM-ITA	VRM	Deepak Enterprise, Plot No 255, GIDC, Waghodia, Vadodara	--	--	7574002225 8128592519	Crane & Hydra
5		ITA-KSPR	ITA	Satyajit Beniwal Carrier	--	--	9824029808	Crane & Hydra
6		KSPR-MYG	KSPR	S.K.Crane service, 8 Padmavati complex, Opp. GIDC crossing, Por	--	--	9376227992 9687610874 9687610875	Hydra & crane and Trailer
7		MYG-LKD	MYG	Shree Balaji crane service, Plot No 95, Por industrial Park, POR	--	--	6351010281 9586620257	Hydra & crane and Trailer.
8		LKD-PLJ	LKD	Best Crane Service107, Aishwarya Complex, Dahej Bypass Road, Near Amity School, Bharuch	--	--	9714814817	Crane, Hydra, Trailer
		PLJ-VRE	PLJ					
		VRE-NIU	VRE					
		NIU-CVJ	NIU					

DISASTER MANAGEMENT PLAN

9		BH-AKV	CVJ	Perl Hiring Pvt. Ltd. 4-5, 1st floor, Vishwamber Complex Dahej Bypass Road, Bharuch	--	--	9998217351 7947127480	Crane, JCB, Fork lift
10		AKV-PAO	BH	Shri Durga Crane service, BH	--	--	8560050600	Hydra ,crane & Trailer
11		PAO-KSB	AKV	Amrit Crane service, BH	--	--	9825030955 9227139461 9227139462	Hydra, crane & Trailer
12		KSB-KIM	PAO	Heavy Equipments Plot no. A-53, ONGC, Near TVS Show Room, Ankleshwar	--	--	7203932932	Crane, JCB, Bulldozer, Road vehicles
13		SYN-GTX	KIM	Golden Crane Services, Ankleshwar	--	--	9825977700	Crane.
14		GTX-KSE	SYN	Ankleshwar Crane Energy	--	--	9824158930 8238117290	Hydra, crane and Trailer.
15		KSE-URN	GTX	Jai Ambe Cranes,33 Anand society, Opp Khatodra Police Station, Udhana magdalla road, Surat	--	--	9227225444	Crane & Hydra
16		URN-ST	KSE					
17			URN	Gurushar crane service, Surat	--	--	9067720644	Hydra, crane .
				New Dashmesh Crane, Vijay Nagar, NH-8, Kim Char Rasta, Near Lalji Mulji Transport, Kosamba	--	--	9712678117	Crane.
18				Shara Brake Down Services Shimla Service Station Shara Motor Body Builder, Ahmedabad Highway Road, Godhra	--	--	9426223061 9925023346	Crane, Hydra, JCB
19		GDA-KRSA	GDA	Indian Crane Service Shimla Service Station Shara Motor Body Builder, Ahmedabad Highway Road, Godhra	--	--	9714865742	Crane, Hydra, JCB
20		KRSA-DRL	KRSA	Crane Services,Godhara	--	--	9824029808	Crane, Hydra, JCB
21		DRL-BKRL	DRL	Ankur Crane & auto service, Godhra			9913554444	Hydra, crane, Trucks, Bulldozers, JCB
22		BKRL- CPN	BKRL					
23		CPN-SMLA	CPN	Dhanlaxmi Lifter, Halol	--	--	9825800079 8511224556	Crane, Hydra
24		PIO-CYI	SMLA	Bharat bhai JCB provider Railway station DRL	--	--	9979009818	JCB
25		CYI-BRCY	PIO	Sahara crane service, Near Police Station, Kalol	--	--	9825616901 9825043900	Hydra & Crane
26			CYI	HR Lifter and Movers, VIP Ring Road, Golden Chowkdi, Baroda	-	-	9879317452	Brake Down Crane, Hydra JCB, fork lift
27			BRCY	Akshar Crane Hiring, New Bright School, Karelibaug, Baroda	--	--	9924025084	Crane, boom lift
				Shreeji Crane Services Opp.	--	--	9426005728	Crane, JCB,

DISASTER MANAGEMENT PLAN

				Prakruti Resort, Chhani, Baroda				Tractor, Hydra, trailer
28	BRC-GER	GER-BJD BJD-KANJ KANJ-MHD MHD-GTE GTE-ND ND-UTD UTD-KBRV KBRV-ANND ANND-VXD VXD-ADD ADD-VDA VDA-RNO RNO-BJW BJW-BRCY	GER BJD KANJ MHD GTE ND UTD KBRV ANND VXD ADD VDA RNO BJW BRCY	Sainath Crane Service, Safex industry, Near Romal Chokadi, Phase-IV, GIDC, Vatva.	--	--	9825171002	Crane, JCB & Hydra
29				NK Crane service, Near Vatva Police Station, Sayedvadi, Vatva	--	--	9898966469	Hydra, JCB & Crane
30				Shivam Crane Service, 37 Srinath Transportnagar, Aslali, Ahmedabad	--	--	9454780354	Hydra, Poclain, Trucks, Bulldozers, Crane
31				Uma Crane Service, Khatraj Circle, Mahemdabad	--	--	9727435088	Crane.
32				Om Crane Service, 5 Mangalpark Society, Nadiad	--	--	9825682286 8140582882	Hydra & Crane
33				Shree Santram Crane service, Opp. santram dairy road, Nadiad	--	--	9727789888	Hydra, Poclain, Trucks, Bulldozers, Crane
34				Anil Yadav, Vadtal	--	--	9758069281	JCB, Hydra, Tractor
35				Krishna Carting (Hydrotech) G-71, Puja Estate, Opp. Akira Marble, GIDC Road, Vithal Udyognagar, Anand	--	--	9825198538	Hydra, Truck, crane
36				Gupta Crane Hiring services, plot no. C-1/42/2, GIDC Estate, Nandesari, Vadodara	--	--	8460695393 7600615574	Crane, Boom lift
37				HR Lifter and Movers, VIP Ring Road, Golden Chowkdi, Baroda	-	-	9879317452	Brake Down Crane, Hydra JCB, fork lift
38				Akshar Crane Hiring, New Bright School, Karelibaug, Baroda	--	--	9924025084	Crane, boom lift
39				Shreeji Crane Services Opp. Prakruti Resort, Chhani, Baroda	--	--	9426005728	Crane, JCB, Tractor, Hydra, trailer
40	PRTN-EKNR MYG-DB	PRTN-DB	PRTN	Shreeji Crane Services Opp. Prakruti Resort, Chhani, Baroda	--	--	9426005728	Crane, JCB, Tractor, Hydra, trailer
41		DB-CDD	DB	Deepak Enterprise, Plot No 255, GIDC, Waghodia, Vadodara	--	--	7574002225 8128592519	Crane & Hydra
42		CDD-EKNR	CDD	Meera crane service, DB	--	--	9825754183 9601512457	Hydra, Gas cutter.
43		MYG-KV	EKNR	Patel crane service, EKNR	--	--	8758376127 9426314687	Hydra, Gas cutter.
44	DB-JOBT	DB-CCP	CCP	Rozy crane service, BDE	--	--	9825684024	Hydra, Gas cutter.
45		CCP-BDE	BDE	Yaseen crane service, CTD	--	--	9429533796 9427590414	Hydra, Gas cutter.
		PDAV-CTD	PAVI					
		CTD-PLRD	PLRD					

		PLRD-MTSI MTSI-ABRV ABRV-ARPR ARPR-KADA KADA-JOBT	MTSI ABRV ARPR KADA JOBT					
46	ANND-GDA	SNA-BAJ BAJ-OD OD-UMH UMH-DK DK-TAS TAS-AGCI AGCI-SVL SVL-TBA TBA-TUWA TUWA-VKG	SNA BAJ OD UMH DK TAS AGCI SVL TBA TUWA VKG	Om Crane Service, 5 Mangalpark Society, Nadiad	--	--	9825682286	Hydra & Crane
47				Shree Santram Crane service, Opp. santram dairy road, Nadiad	--	--	9727789888	Hydra, Poclain, Trucks, Bulldozers, Crane
48				Krishna Carting (Hydrotech) G-71, Puja Estate, Opp. Akira Marble, GIDC Road, Vithal Udyognagar, Anand	--	--	9825198538	Hydra, Truck, crane.
49				Ankur Crane & auto service, Godhra	--	--	9913554444	Hydra, Trucks, Bulldozers, JCB, Crane.
50	ND-MDSA	ND-KVNI KVNI-MDSA	ND	Shri Bhanubhai, Nadiad	--	--	9106820931	JCB
51			KTAL	Shri Shankarbhai, Kathlal	--	--	9909684121	JCB
52				Shri Manharbhai, Kathlal	--	--	9998172588	Crane and Hydra
53			KVNI	Shri Jaspal Singh, Kapadvanj	--	--	9998323808	Hydra
54			DNUA MDSA	Shri Prabhat Bhai, Kapadvanj	--	--	9913963752	JCB
55				Hindustan Crane Service, Modasa	--	--	9825348641 9925037641	Crane
56				Shri Sanjaybhai, Dhansura	--	--	9925259005	Hydra

6.12 PRESS MEDIA

Sr. No.	Name	News Paper Name	Designation	Contact Number
1	VINOD BHATT	GUJARAT SAMACHAR	EDITOR	9898988102
2	VINOD THANKI	GUJARAT SAMACHAR	CORRESPONDENT	9898988103
3	HEMANT GANDHI	GUJARAT SAMACHAR	CORRESPONDENT	9898988104
4	KIRTI PADIYA	GUJARAT SAMACHAR	PHOTOGRAPHER	9898988109
5	MAYUR PATHAK	SANDESH	EDITOR	9825114199
6	SIDDHARH MANIYAR	SANDESH	CORRESPONDENT	8000050255
7	KRUNAL S. THAKKAR	SANDESH	CORRESPONDENT	9824687777
8	ALPESH V. SONVANE	SANDESH	CORRESPONDENT	9909966395
9	NISHITH VALLABH (SHAH)	SANDESH	PHOTOGRAPHER	9825043908
10	JIGAR V. SHAH	SANDESH	CORRESPONDENT	9825541111
11	ALPESH MAKVANA	SANDESH	CORRESPONDENT	9824481844

12	SANJAY P. SHAH	LOKSATTA	EDITOR	9879114118
13	JANMEJAY TRIVEDI	DIVYA BHASKER	CORRESPONDENT	9978912710
14	PRANAY L. SHAH	DIVYA BHASKER	PHOTOGRAPHER	9727311122
15	SACHIN SHARMA	TIMES OF INDIA	CORRESPONDENT	7567555500
16	BHUPENDRA S. RANA	INDIAN EXPRESS	PHOTOGRAPHER	9727711175
17	BHARAT B.VYASH	YUGPRABHAV	EDITOR	9898621783
18	HEMANT B. VYASH	YUGPRABHAV	CORRESPONDENT	9825802181
19	TAPAN B. VYASH	YUGPRABHAV	CORRESPONDENT	9825512994
20	VISHVJIT PAREKH	NAVGUJARAT SAMAY	CORRESPONDENT	9825073214
21	GAYTRI BHATT	U.N.I	CORRESPONDENT	9428690345
22	SHARIF KAPDIYA	GUJARAT TODAY	CORRESPONDENT	9879111293
23	VAHID SHEKH	KACHHA MITRA	CORRESPONDENT	9825042246
24	RAVIPRAKAS BAROT	STATE EXPRESS	CORRESPONDENT	9601341944
25	NIPUN BHATT	GUJARAT GARDIYAN	CORRESPONDENT	9825323558
26	KAPIL PATHAK	DHABKAR	CORRESPONDENT	9974943009
27	KUMAR JAYANTIBHAI SHAH	VADODARA SAMACHAR	EDITOR	9825374573
28	JAGDISH B. PRAJAPATI	PADRA TIMES	EDITOR	9824362516
29	PRAJESH M. SHAH	KALAM KI AWAAZ	EDITOR	9375672077
30	SATISH R. SHAH	SAYAJI EXPRESS	EDITOR	9426336702
31	DIPAK V. AYRE	TISHRI ANKH	ASSIS. EDITOR	9879114129
32	YOGESH AKOLKER	MARU VADODARA	EDITOR	9423637414
33	AVDESH T. TIVARI	JANVARTA	EDITOR	9714614911
34	JAYANTKUMAR VYASH	PRAJABOL	EDITOR	9824379588
35	JIGNESH M. SHAH	LOKDHARA	EDITOR	9898712013
36	RAJIV PARMAR	A.N.I NEWS AGENCY	CORRESPONDENT	9825111837
37	VARDHAKUMAR NADAR	A.N.I NEWS AGENCY	CAMERAMAN	9712941861
38	VIJAY A. PATEL	SANDESH NEWS	CAMERAMAN	9725202476
39	MANISH D. THAKKAR	TV-9 NEWS	CAMERAMAN	9879584144
40	SHYAM SONUNE	GSTV NEWS	CAMERAMAN	9979041265
41	RUPESH CHOKSHI	GSTV NEWS	CORRESPONDENT	9825094654
42	ANKIT GHONSIKAR	NEWS-18 NEWS	CAMERAMAN	9925057591
43	SONAL UNADKAT	MANTVYA NEWS	CORRESPONDENT	9727635999
44	YUSUFALI H. SAIYAD	GARVI GUJARAT	CORRESPONDENT	9408350137

6.13 ELECTRONIC MEDIA

A) National-Regional Media

NO	NAME	CHANNELNAME	DESIGNATION	MOBILENO
1	JITU BHAI RAJPUT	YUG ABHIYAAN	REPORTER	9879598918
2	RAJIV PARMAR	ANI	REPORTER	9825111837
3	YUNUSH GAZI	TV9	REPORTER	9879410102
4	MANISH THAKAR	GTPL NEWS	CAMEARMAN	9879584144
5	NIRAJ PATEL	INDIATV	REPORTER	9825209565

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6	LORENCE PARMAR	ABPASMITA	REPORTER	9925017029
7	MANU CHAVDA	VTV	REPORTER	9099907117
8	KRUNAL SHARMA	SANDESH	REPORTER	8511169626
9	RUPESH CHOKSHI	GSTV	REPORTER	9825094654
10	ROHIT GOHIL	TV 9	CAMERAMAN	7359953969
11	JAPTAVY YAGNIK	LOKSATTA ONLINE	REPORTER	9714611101
12	NILESH BRAHMBHATT	MANTVAY	REPORTER	9426300707
13	CHANDRAKANT	GTPL	REPORTER	9727772402
14	NILESH THAKKAR	NDTV	REPORTER	9824011118
15	SANJAY PAGE	DD NEWS	STRINGER	9376280650
16	RAVI AGRAVAL	Zee24	REPORTER	9898564950
17	NIRMIT DWIVEDI	NEWS NATION	REPORTER	9725435971
18	HARDIK DIXIT	GUJARAT FIRST	REPORTER	8200062799
19	NAVNIT PARMAR	ETV BHARAT/ NATION PLUS	REPORTER	9978977822

PORTAL MEDIA

1	VASHISTHSHUKLA	NATION+NEWS	REPORTER	9879598918
2	MAULIKPATEL	FACT FINADER NEWS	REPORTER	7600009729
3	GANESHTANJORKAR	OUR VADODARA	CAMERAMAN	9722808489
4	KAUSARKHAN	SPARK NEWS	REPORTER	9712882248
5	PRASANTGAJJAR	NEWS CAPITAL	REPORTER	9879555324
6	DHAVALCHAUDHRI	DIVYA BHASKAR DIGITAL	REPORTER	9723443457
7	VISHAL THAKOR	VADODARA VOICE	REPORTER	9725202596
8	DIPALASAR	LOKSATTA	EDITOR	9687612325

B) LOCAL MEDIA

1	BHARAT RAJPUT	VNMNEWS	CAMERAMAN	9824997096
2	SURESH RAJPUT	SPARK NEWS	REPORTER	9925003679
3	DIPAK AYRE	TNN NEWS	REPORTER	9879114129
4	UMESH CHALKE	TNN NEWS	CAMERAMAN	9974281977
5	JITENDRA JOBANPUTRA	DNTV NEWS	REPORTER	9825040212
6	RAHUL RAJPUT	DNTV NEWS	CAMERAMAN	9898595731
7	NANDU BHOSLE	G-1 NEWS	REPORTER	9825482453
8	ALPESH CHAUHAN	G-1NEWS	CAMERAMAN	9724207554
9	RUPESH MAKVANA	KATIBANDHNEWS	REPORTER	9375902187
10	AJAY DAVE	SAYAJISAMACHAR	REPORTER	9825012441
11	MAULIK PATEL	FACTFINADER NEWS	REPORTER	7600009729
12	SURAJCHANDRASAROJ	KATARSAYAJINEWS	REPORTER	9662095689
13	SANJAYKAYASTH	KATARSAYAJINEWS	CAMERAMAN	9898439221

List of telephone nos. for seeking Air Support in case of Railway Disaster

SN	Department	Contact Numbers
1	Air India – Mumbai Office Air India Building, 1st Floor, Barrister Rajni Patel Road, Opp. Bajaj Bhawan, Backbay Reclamation, Nariman Point, Mumbai 400021,	91 22 2279 6666 1860 233 1407
	Airport Office: Chhatrapati Shivaji Maharaj International Airport, Mumbai 400099	022 6685 1010
2	Akasa Air 2th Floor, Tower A, 95, Ganpatrao Kadam Marg, Nagin Nagar Chawl, Dhuru Wadi, Lower Parel, Mumbai, Maharashtra 400013, India	022 4896 4900
3	Indigo	921 278 3838 (can also dial 0124-617 3838)
4	Spice Jet	+91 98718 03333 / +91 96540 03333
5	Go First	1860 210 0999
6	Air Asia India	080 4666 2222
7	Terminal 1 – Airport Manager (Nodal Officer) Mumbai International Airport Ltd, Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Santacruz East, Mumbai - 400099, India.	+91 98333 01321 Airport Helpline: +91 22 6685 1010
8	CSMIA Terminal 2 – Airport Manager Contac	+91 98333 01319 Mumbai Airport 24/7 Helpline: +91 22 6685 1010 –
9	Air India Air lines customer care	91 116 932 9333 +91 116 932 9999

List of St. Jones Ambulance

Sr.No.	Address	Contact no.
1.	Indian Red Cross society Red coss building Raopura, Baroda	0265-2413382 9099552154
2.	St. Jones Raopura	0265-2413382 9099552154

List of AIRLINES

Sr.No.	Address	Contact no.

1	Airport Director.Civil Aerodrome,Harni Road, Vadodara	0265-2485356/2464249(Fax)
2	Air port Director,S.V.P.I airport,Ahmedabad	079-22869211/22863561(Fax)
3	Duty Terminal Manager, SVPI Airport, Ahmedabad	079-22869266
4	Airport Director, Surat	0261-2700200/2700203

LPG OR Oil Leakage

Sr.No.	Address	Contact no.
1	Gujarat Refinery IOCL Koyali, Vadodara	9408800041
2	ONGC/KAWAS	9427504546
3	BPCL Smart Line	1800-224344
4	IOCL 24X7 helpline number	1906
5	IOCL Fire Emergency Number	0265-2238445 0265-2238443 0265-2238446

SNAKE CATCHER

Sr.No.	Name	Contact No.
1	Vadodara Animal Rescue Foundation	9558824884 9558806968
2	Snehalben	9825011117/18
3	Arvind panwar	9974410803 / 9825797059

Telephone nos for seeking Army, Air and Naval Force support in case of Railway Disaster:-

Sr.No.	Department Name	Contact No.
1	Home Secretery Delhi	011-23092932 011-23093054 011-23093054
2	MHA Control room DM	011-26701728 011-23438253
3	Naval Exchange Mumbai	022-22663030 022-25564820

Civil Defence & Scouts & Guides, Vadodara: CIVIL DEFENCE

Sr. No.	Designation	Contact No.
1	Sr.DSO & DCDO	9724091730 0265-2641925
2	EOC, Civil Defence , Pratapnagar	Rly : 44020
3	In Charge , Civil Defence, Vadodara	9724091491

Scouts & Guides:

Sr. No.	Designation	Contact No.
1	District Chief Commisioner	9724091503

2	Assist District Chief Commisioner	9724091731

6.14 LIST OF FIRE BRIGADES

Sr. No.	Name	STD Code	Tel Number
1	Fire Control Room, Vadodara City Command & Control Centre	0265	101/102 2413635 9978958591/2
2	Fire Dandia Bazar, Vadodara	0265	2420881 2651106
3	Fire Vadi-Wadi, Vadodara	0265	2343545
4	Gajrawadi, Vadodara	0265	2580908
5	GIDC, Makarpura, Vadodara	0265	2631444
6	Chhani Jakat Naka T P-13, Vadodara	0265	2772504/03
7	Vasna Fire Station, Tandalja, Vadodara	0265	2990168/69
8	ERC Fire station, Darjipura, Vadodara	0265	2541687/88
9	Panigate Fire Station, Vadodara	0265	2651105 2513014
10	GSFC, Vadodara	0265	3092222/2333
11	Gujrat Refinery, Vadodara	0265	2238445, 2238446
12	GNFC Bharuch	02642	202300/203233/203300
13	Ankleshwar Fire Station (DPMC)	02646	220229
14	Fire Brigade Bharuch	02642	241101/220151 9574007048
15	GIDC, Ankleshwar	02646	226101, 225166 220129, 224100
16	Katargam Fire station, Surat	0261	2482269
17	Fire Brigade, Surat Control	0261	2414139 2414195, 2414196
18	Fire Brigade, Anand Nagarpalika	02692	243101
19	Fire Brigade, Nadiad	0268	2564101
20	Fire Brigade, Maninagar, Ahmedabad	079	25470221
21	Fire Station, Halol	02676	298101
22	Fire Brigade, Miyagam Karjan	02666	232012/ 8128190929
23	Fire Brigade, Godhra	02672	240043
24	Fire Brigade, Dabhoi	02663	255511
25	Fire Brigade, Rajpipla	--	9737107248

RPF CONTROL OF VADODARA DIVISION

DESIGNATION	RAILWAY	Contact No.
Sr.DSC,RPF	44970	0265-2652650

ASC,RPF	44972	0265-2641279
S.P(W.RLY)	44980/43972	--
SI(GRP) PRTN	44981	--
RPF/Security Control/BRC	44974/100	0265-2638999 Toll free help line-182,1322
Police Control Baroda	--	0265-2417100
IPF/BJW	47290/47292/47293	9724091718
IPF/HQ	44975	9724091728
IPF/PW	44983	9724091771
IPF/SW	44985	9724091778
IPF/ANND	48300/48302	9724091775
GRP/ANND	48304	--
GRP PF/ANND	48306	--
IPF/BH	41240/41241	02642-260915 9724091708
SI GRP/BH	41242	02642-243766
IPF/GDA	42240	9724091713
SIPF/GDA	42242/42243	--
SI GRP/GDA	42244/42245	--
IPF/AKV	41518/41523	9724091707
IPF/BRCP	43979	9724091711
SIPF/BRCP	43978	--
SIPF,CRIME BRCP	43974	--
PI GRP/BRCP	43981	--
IPF/PRTN	44979	9724091703
IPF/BRCR	43985/43980	--
Police Control City	100	0265-2415111
Police Control Rural	--	0265-2423888
Home Guard Board	--	0265-2433400

6.15 TELEPHONE NO. & LOCATION OF ART/ARMVT CRANE OVER VADODARA

Sr.	Division	Station	ART/ SPARMV	Class	Crane	In- Charge	Desig- nation	Mobile No.	Railway Phone No.	Exit Single/ Double
1	BRC	BRCY (BG)	ART	A	140T	Shri Sanjay Singh	SSE/ C&W	9724091482	46697	Double
2	BRC	MYG (NG)	ART	C	-	--	--	--	--	Section closed
3	BRC	BRCY	SPARMV	Scale - I	-	Shri Naval Kumar	SSE/ C&W	9724091484	--	Single

6.16 SATELLITE TELEPHONE NUMBERS - DISASTER MANAGEMENT VADODARA

Sr.No	Division	Location	Satellite Phone No.	Telephone	
				BSNL	Rly.
1	Vadodara	NOCC/PRTN	8991112777	0265-2632713	091-4484044841
		SPARMV(BRCP)	8991112776	7486003215	--
		ART(BRCY)	8991115554	9274699397 7043011284 6357001135 9408102613	--
		Disaster Management Room(Divisional office, Pratapnagar)	8991112775	--	--

Availability of ARME Scale II in BRC Division

Station	ARME Scale II	Dr. Incharge	Mobile No.
Samlaya	01	Dr. Amitabh Sarkar	9724091504
Ankleshwar	01	Dr, Bhavik Patel-CMP	7573821327
Kosamba	01	Dr, Bhavik Patel-CMP	7573821327
Jambusar	01	Dr, Bhavik Patel-CMP	7573821327
Anand	01	Dr. Bharat Naidu	9724091521
Petlad	01	Dr. Bharat Naidu	9724091521
Nadiad	01	Dr. Bharat Naidu	9724091521
Godhra	01	Dr. Ismail Foda-CMP	9228629797
Champaner	01	Dr. Ismail Foda-CMP	9228629797
Dabhoi	01	Dr. Parag Adhyapak	9724091508
Choranda	01	Dr. Parag Adhyapak	9724091508
Chhuchhapura	01	Dr. Parag Adhyapak	9724091508
Total	12	--	--

CHAPTER – 7**DATA BANK OF RATLAM DIVISION****7.1 LIST OF IMPORTANT TELEPHONES OF RAILWAY OFFICERS**

S.N.	Designation	P&T No.		Fax No.	Railway Phone		Fax No	Mobile
		STD Code			STD Code			
1	DRM	07412	232300	232572	092	44000	44899	9752492000
2	ADRM	07412	243212	-	092	44002	-	9752492001
3	CMS	07412	260406	-	092	44900	-	9752492500
4	Sr.DOM	07412	230715	-	092	44600	-	9752492900
5	Sr.DCM	-	-	-	092	44200	-	9752492950
6	Sr.DSO	-	-	-	092	44604	-	9752492730
7	Sr.DEN/Co	-	-	-	092	44400	-	9752492200
8	Sr.DEN/W	-	-	-	092	44402	-	9752492201
9	Sr. DEN/N	-	-	-	092	44408	-	9752492203
10	Sr.DEN/S	-	-	-	092	44406	-	9752492202
11	DEN/T	-	-	-	092	44410	-	9752492205
12	Sr.DEE/P	-	-	-	092	44300	-	9752492300
13	Sr.DEE/TRD	-	-	-	092	44350	-	9752492301
14	Sr./DEE/TRO	-	-	-	092	44380	-	9752492302
15	Sr.DME/C&W	-	-	-	092	44500	-	9752492400
16	Sr.DME/Diesel	-	-	-	092	44550	-	9752492450
17	Sr.DMM	-	-	-	092	44990	-	9752492750
18	Sr.DFM	-	-	-	092	44100	-	9752492100
19	Sr.DPO	-	-	-	092	44700	-	9752492600
20	Sr.DAUI	-	-	-	092	44190	-	9752492130
21	Sr.DSTE	07412	220001	-	092	44800	-	9752492800
22	Sr.DSTE/W	-	-	-	092	44806	-	9752492801
23	Sr.DSC	07412	235853	-	092	44960	-	9752492700
24	PRO IND	0731	2529121	-	092	49200	-	9752492006

7.2 RAILWAY STATIONS WITH P&T & AUTO PHONE NUMBERS

SN	Name of station	Station code	Std code	Telephone No	Railway phone STD Code: 092	Mobile No	
						Station Master	Traffic Inspector
1	KANSUDHI	KIZ		942606893	47240	9724096500	TI/DHD 9724096509
2	CHANCELAV	CCL		9499779139	47239	9724096501	
3	SANTROAD	SAT		9426806938	47238	9724096502	
4	PIPLOD	PPD		8989297946	47237	9724096503	
5	LIMKHEDA	LMK		9426780938	47236	9724096504	
6	MANGAL MAHUDI	MAM		9426778938	47235	9724096505	
7	USRA	USRA		9409696238	47234	9752496506	
8	JEKOT	JKT		9426697638	47233	9724096507	
9	RENTIYA	RET		9426280938	47232	9752496508	
10	DAHOD	DHD	02673	223911	47210 / 47212	9724096510	
11	BORDI	BIO		9408151824	47230	9724096513	TI/RTM 9752492936
12	ANAS	ANAS		9429382638	47229	9724096514	
13	MEGHNAGAR	MGN		9425306821	44764	9752496516	
14	THANDLA ROAD	THDR		9425820633	44763	9752496517	
15	BAJRANGGARH	BJG		9425820632	44762	9752496515	
16	PANCH PIPLIA	PCN		9425820631	44761	9752496518	
17	AMARGARH	AGR		9425820630	44760	9752496519	
18	BAMNIA	BMI		9425820528	44759	9752496520	
19	BHAIRONGARH	BOG		9425820629	44758	9752496521	
20	RAOTI	RTI		9425820628	44757	9752496522	
21	BILDI	BILD		9425820522	44756	9752496523	
22	MORWANI	MRN		9425820521	44755	9752496524	
23	RATLAM 'A'	RTD		9425820463	44631	-	
24	RATLAM	RTM	07412	235777	44650 / 44652	9752492943	
25	RATLAM 'E'	RTM-E		9425820464	44324	-	TI/NAD 9752496530
26	BANGROD	BOD		9425820523	44750	9752496525	
27	RUNKHERA	RNH		9425820524	44751	9752496526	
28	KHACHROD	KUH		9425820392	44752	9752496527	
29	BERAWANYA	BRNA		9425820525	44753	9752496528	
30	NAGDA	NAD	07366	249218	44754	9752496531	
31	PIPLODA BAGLA	PPG		9425820526	41525	9752496535	
32	UNHEL	UNL		9425301258	41526	9752496536	
33	ASLAODA	ASL		9425820634	41528	9752496538	
34	GHAMBHIR BRIDGE	GRFB		9425820528	41529	9752496539	
35	NAIKHERI	NKI		9425820529	41530	9752496540	
36	SHIPRA BRIDGE	SPBG		9425820530	41226	9752496541	
37	UJJAIN	UJN	0734	2560906	41210 / 41212	9752496546	TI/UJN 9752496545
38	UJJAIN 'C'	UJN-C		9425820467	41217	-	
39	PINGLESHWAR	PLW		9425307116	41532	9752496550	
40	TAJPUR	TJP		9425820537	41533	9752496551	
41	TARANA ROAD	TAN		9407054181	41534	9752496552	
42	MAKSI	MKC		9425307137	41535	9752496553	
43	PIR UMROD	PUO		9425820635	41536	9752496555	
44	BERCHHA	BCH		9425820409	41537	9752496556	
45	KALISINDH	KSH		9425820403	41538	9752496557	
46	BOLAI	BLX		9425820636	41539	9752496558	
47	AKODIA	AKD		9425820445	41540	9752496559	TI/SHRN 9752496571
48	SHUJALPUR	SJP		8989297944	41542	9752496561	
49	KALAPIPAL	KPP		9425300213	41543	9752496563	
50	JABRI	JBX		9425820637	41544	9752496564	

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51	PARBATI	PRB		9425820638	41545	9752496565	TI/SHRN 9752496571
52	BAKTAL	BKTL		9425820538	41546	9752496566	
53	SEHORE	SEH		9425300266	41547	9752496567	
54	PANCHAWAN	PNWN		9425820539	41548	9752496569	
55	PHANDA	PUD		9425820540	41549	9752496570	
56	BAKANIAN BHAUNRI	BQE		9425820541	41550	9752496574	TI/UJN 9752496545
57	VIKRAM NAGAR	VRG		8989297951	41218	9752496580	
58	KARCHHA	KDHA		9425820531	41553	9752496581	
59	NARANJIPUR	NRGR		9425820532	41554	9752496582	
60	DEWAS	DWX	07272	223911	41555	9752496584	
61	RANAYLA JASMIA	RCJ		9425820640	41563	9752496583	TI-IND 9752496599
62	BINJANA	BNJN		9425820533	41581	9752496573	
63	BARLAI	BLAX		9425820534	41556	9752496586	
64	MANGLIA GAON	MGG		9425820535	41557	9752496587	
65	LAXMIBAINAGAR	LMNR		9425820536	49314	9752496590	
66	DHOSWAS	DHWS		9425820641	44778	9752496633	TI/RTM 9752492937
67	NAMLI	NLI		8989297952	44779	9752496634	
68	BARAYLA CHAURSI	BRLA		9425820542	44780	9752496635	
69	JAORA	JAO		8989297953	44781	9752496636	
70	DHODHAR	DOD		8989297945	44782	9752496637	
71	KACHNARA ROAD	KCNR		9425820543	44783	9752496638	
72	DALAUDA	DLD		8989297945	44784	9752496639	
73	MANDSOR	MDS	07422	220239	44785	9752496640	
74	PIPLIA	PIP		9425300273	44786	9752496641	TI/NMH 9752496644
75	MALHARGARH	MLG		9425300673	44787	9752496642	
76	HARKIAKHAL	HKL		8989297950	44788	9752496643	
77	NIMACH	NMH	07423	257361	82210/8221 2	9752496645	
78	BISALWAS KALAN	BIWK		9425820544	48290	9752496646	
79	JAWAD ROAD	JWO		9425820408	48291	9752496647	
80	NIMBAHERA	NBH		9425301600	48292	9001196647	
81	NIMBAHERA 'C'	NBH-C		9413393045	48293	-	
82	GAMBHIRI ROAD	GRF		9413393047	48294	9001196653	TI/NMH 9752496644
83	SHAMBHUPURA	SMP		9425820413	48295	9001196648	
84	ORDI	ORDI		9413393049	48297	9001095751	
85	CHITTAURGARH	COR	01472	240192	48212/4821 0	9001196656	
86	BERACH	BEC		9413393032	48298	9001196657	
87	CHANDERIYA	CNA		9425304086	48299/4822 0	9001196658	
88	NAUGANWAN	NGW		9425820545	44767	9752496632	TI/RTM 9752492937
89	RUNIJA	RNJ		9425820546	44768	9752496631	
90	BARNAGAR	BNG		8989297954	44769	9752496630	
91	GAUTAMPURA ROAD	GPX		9425820547	44770	9752496629	
92	FATEHABAD CHANDRAWATI GANJ	FTD		9407011833	49318	9752496628	TI-IND 9752496599
93	AJNOD	AJN		8989297947	49317	9752496627	
94	PALIA	PLA		9425306925	49316	9752496626	
95	INDORE	IND	0731	2527585	49312/4922 5	9752492907	
96	RAJENDRA NAGAR	RJQ		8989297948	49311	9752496625	
97	RAU	RAU		8989297949	49310	9752496624	TI DADN 9752496620
98	TIHI	TIHI		9425820465	49327	9752496623	
99	DR. AMBEDKAR NAGAR	DADN	07324	275506	83212 49381	9752496621	
100	PATALPANI	PTP		9425820642	-	9752496614	

101	KALAKUND	KKD		7723022796	-	9752496613	
102	CHORAL	CRL		-	-	9752496612	
103	MUKHTIYARA BALWADA	MKT		-	-	9752496611	
104	BARWAHA	BWW		-	-	9752496610	
105	OMKARESHWAR ROAD	OM		-	-	9752496609	
106	SANAWAD	SWD	07280	234541	-	9752496608	
107	NIMARKHEDI	NKR		9425811869	44775	9752496607	
108	ATTAR	ATR		7723022894	44774	9752496606	
109	AJANTI	ANI		9425811659	44773	9752496605	
110	KHANDWA BYPASS CABIN	KBCB		9425820391	44772	9724096512	
111	NTPC SIDING SELDA	NSPN		7440200042		9724096511	

7.3 RAILWAY STATIONS WITH NEARBY POLICE THANA

DISASTER MANAGEMENT PLAN

Sr. No.	Name of Station	Station Code	Nearby police Stn	PNT No.		Mobile NO.
				STD.Code	Phone No.	
1.	RAU	RAU	RAU	0731	2857544	7049108859
2.	TIHI	TIHI	KISHANGANJ	07324	276679	7049108751
3.	DR. AMBEDKAR NAGAR	DADN	MHOW	07324	7049108740	7049108737
4.	PATALPANI	PTP	BARGONDA	07324	277100	7049107751
5.	KALAKUND	KKD	SIMROL	07324	246236	9425415500
6.	CHORAL	CRL	SIMROL	07324	246236	9425415500
7.	MUKHTIYARA BALWADA	MKT	BALWADA	07280	261237	
8.	BARWAHA	BWW	BARWAHA	07280	222037	9425953999
9.	OMKARESHWAR ROAD	OM	MANDHATA	07280	271227	7049139004
10.	SANAWAD	SWD	SANAWAD	07280	234637	9479995102
11.	NIMARKHEDI	NKR	DHANGOAN	07323	289330	7049138726
12.	ATTAR	ATR	DHANGOAN	07323	289330	7049138726
13.	AJANTI	ANI	MORGHAT	0733	2224167	9479994712
14.	KHANDWA BYPASS CABIN	KBCB	KHANDWA	0733	2224176	9479994712
15.	NTPC SIDING SELDA	NSPN	BEDIYA	07280	275231	7587605127
16.	DHAKALGAON	DKLG	SANAWAD	07280	234637	
17.	DALIYAKHERI		BEDIYA	07280	275231	7587605127
18.	Rajendra Nagar	RJQ	Rajendra Nagar	0731	2321835	704918714
19.	Indore	IND	1.CITY .Kotwali	0731	2546700	7049108541
20.			2. Choti Gwal Toli	0731	2524400	7049108505
21.	Lakshmibai Nagar	LMNR	1.Banganga	0731	2720300	7049108583
22.			2.Pardeshipura	0731	2434100	7587614642
23.	PALIA	PLA	HATOD	0731	2884229	
24.	AJNOD	AJN	SANWER	07321	220229	7049108798
25.	Mangliya Gaon	MGG	Lasudiya Thana	0731	2802999	7049108616
26.	BARLAI	BLAX	KSHIPRA THANA	07272	203700	7049108788
27.	Dewas	DWX	1. Civil Line	07272	252255	9424005974
28.			2. Kotwali	07272	252124	9993879047
29.	BINJANA	BNJN	BAWADIYA THANA	07272	259340	
30.	Fatehabad	FTD	Chandrawati Gunj	-	-	7049108797

DISASTER MANAGEMENT PLAN

31.	Morwani	MRN	Manik Chauk Ratlam Police countral Room RTM GRP Thana RTM	„ „ „	270468 270473 270333	-
32.	Bildi	BILD	Raoti Police countral Room RTM	- 07412	270473	9303946109
33.	Raoti	RTI	Raoti	07412	270473	9977385800
34.	Bhairongarh	BOG	Petlawad	07392	265333	7049140192
35.	Bamnia	BMI	Petlawad	07392	265333	7049140192
36.	Amargarh	AGR	Petlawad	07392	265333	7049140192
37.	Punch Pillia	PCN	THDR	07390	276341	9755060425
38.	Bajranggarh	BJG	"	"	"	"
39.	Thandla Road	THDR	"	"	"	"
40.	Meghnagar	MGN	MGN Police countral Room GRP Thana MGN	" 07392	284412 243169	- - 7587614942
41.	Chittorgarh	COR	Sadar thana	01472	250070	9530441907
42.	Chanderiya	CAN	Chanderiya	01472	256100	9530442005
43.	Shambhupura	SMP	Shambhupura	01472	220023	9530441952
44.	Nimbaheda	NBH	Nimbaheda	01477	232037	8764857669
45.	Jawad Road	JWO	Baghana	07423	234227	9479995545
46.	Ujjain	UJN	GRP/UJN	0734	2551171	7049150135
47.	Ujjain	UJN	Nilganga Thana	0735	2551172	7049118072
48.	Ujjain	UJN	Dewad gate Thana	0736	2552140	7049118034
49.	Ujjain	UJN	Madhavna Nagar Thana	0737	2527134	7479999030
50.	Pigleswar	PLW	Chimanganj Mandi	0738	2551179	9425043432
51.	Tajpur	TAJ	Vikayganj Mandi	07272	262877	9425355143
52.	Vikramnagar	VRG	Madavnagar Thana	0734	2527134	9479999030
53.	Kadcha	KDHA	NARVAR	0735	2500233	9425191935
54.	Naarnjipur	NRGR	BNP Thana Dewas	07272	257534	7049125600
55.	Berawanya	BRNA	Birlagram Nagad Mandi	07366	247054	9424527242
56.	Nagda	NAD	Birlagram Nagad Mandi	07366	246500	9479999230
57.	Piploda Bagla	PPG	Birlagram Nagad Mandi	07366	246500	9424527242
58.	Unhel	UNL	Unhel	07366	240130	9424878641
59.	PalsoraMakrawa	PSO	Ingoria	07367	227034	7049118635
60.	Aslaoda	ASL	Ingoria	07367	227034	7049118635
61.	Naikheri	NKI	Berugdh Ujjain	07342	574275	9993538964
62.	Nimach	NMH	Baghana	07423	234227	9907798220
63.	Harkiyakhal	HKL	Jiran	07423	236521	7049142036
64.	Malhargarh	MLG	Malhargarh	07424	248323	7049132020
65.	Pipliya	PIP	Pipliya mandi	07424	241036	7049162775
66.	Mandsaur	MDS	City kotwali	07422	244222	7049131966
67.	Daloda	DLD	Daloda chouki	07423	261562	7049131966
68.	Kachanara	KCNR	Thana Bhavgarh	07424	266636	-

DISASTER MANAGEMENT PLAN

69.	Bairagarh	BIH	Bairagarh	0755	2641223	9479990653
70.	Kalisindh	KSH	Berchha	07363	235110	7049133668
71.	Bolai	BLX	Akodia	07360	253138	
72.	Akodia	AKD	Akodia	07360	253138	
73.	Shujalpur	SJP	Mandi Shujalpur City Shujalpur	07360 07360	242019 244030	7587636288 9499998410
74.	Kalapipal	KLP	Kalapipal	07360	268439	9479998420
75.	Jabri	JBX	Kalapipal	07360	268439	9479998420
76.	Parbati	PRB	Kalapipal	07360	268439	9479998420
77.	Baktal	BKTL	Kotwali Mandi	07562 07562	227006 222704	947999086 947999096
78.	Sehore	SEH	Kotwali Mandi	07562 07562	227006 222704	947999086 947999096
79.	Pachawan	PNWN	Kotwali Mandi	07562 07562	227006 222704	947999086 947999096
80.	Phanda	PUD	Khajuri	0755	2853255	9479990708
81.	BakanianBhaunri	BQE	Khajuri	0755	2853255	9479990708
82.	Kisoni	KONY	Berchha	07364	235110	9406600519
83.	Berchha	BCH	Berchha	07365	235110	9406600519
84.	Pirumrodh	PUO	Berchha	07366	235110	9406600519
85.	Maksi	MKC	Maksi	07367	233038	9479998423
86.	Tarana Rod	TAN	Kaytha	07369	242135	9479999181
87.	Anas	ANS	katwara	02673	243900	7990252147
88.	Bordi	BIO	Katwara	02673	243900	7990252147
89.	Dahod Station	DHD (S)	Dahod Station	0673	220100	987906565
90.	Ratia	RET	Rabdal	02673	244900	9662777988
91.	Jackot	JKT	Rabdal	02673	244900	9662777988
92.	Usra	USRA	Limkheda	02677	229633	9924201019
93.	Mangal Mahudi	MAM	Limkheda	02677	229633	9924201019
94.	Limkheda	LMK	Limkheda	02677	229633	9924201019
95.	Piplod	PPD	Piplod	02678	245200	8141107550
96.	Sant Road	SAT	Morwa	02672	284233	6359629430
97.	Chanchlav	CCL	Orwada O/P	02672	243166	9725343642
98.	Kansuddhi	KIZ	Taluka GDA	02672	243166	9924099253
99.	Ratlam	RTM	Station Road Ratlam Police countral Room GRP Thana	07412 ,, ,,	270467 270473 270333	7049128006
100.	NAUGANWAN	NGW	BILPANK	07412	282233	8959933449

7.4 LIST OF CIVIL AUTHORITIES

DISASTER MANAGEMENT PLAN

Sr. No	Civil official	District	PNT No.			Fax No.	Mobile No.
			STD Code	Office	Resid.		
1	COLLECTOR	INDORE	0731	2449111	2367817		9425181300
2	ADDL. COLLECTOR	INDORE	0731	2449124	2710555		
3	ADDL. COLLECTOR	INDORE	0731	2449183			
4	SSP	INDORE	0731	2525600	2420170		9479555590
5	SP (EAST)	INDORE					7049100415
6	COLLECTOR	DEWAS	07272	252111			9425054358
7	SDM	DEWAS	07272	254900			9826687195
8	COLLECTOR	KHARGONE	07282	232363	232364		9425122301
9	SP	KHARGONE	07282	231004	231003		9425106425
10	COLLECTOR	KHANDWA	0733	2224153	2223333		9425078735 9630897589
11	SP	KHANDWA	0733	2222100	2222440		7049139001
12	ASP	MHOW	07324				7049108478
13	IG/DIG	(ADG) Indore	0731	2702777	-	-	7049100306
14	SP's	HQ/Indore	0731	2513344	-	-	7049100412
15	SP's	Khargon	07282	231004	-	-	7049100445
16	SP's	Khandwa	0733	2222100	-	-	7049139001
17	Commissioner	Indore	0731	2435111	2700888	2539522	9425303446
18	Collector	Indore	0731	2449111	2700111	2449194	9424734500
19	ADG/IG/DIG	Indore	0731	2702777	2711753	2702810	7049100306
20	SP/HQ	Indore	0731	2513344	-	-	7049100412
21	Collector	Dewas	07272	252111	252222	226444	9425054358
22	SP	Dewas	07272	226110	252120	226111	9450253213
23	Collector	Jhabua	07392	243401	243402	243330	9424482382
24	SP	Jhabua	07392	243410	243411	243476	7049100442
25	Collector	Chittorgarh	01472	240001	-	-	9414974411
26	IG/DIG	Ajmer	02942	410816	243333	-	8764855660
27	SP	Chittorgarh	01472	240006	240003	-	8764857571
28	Commissioner	Ujjain	0734	2511671	2511670	-	9425166766
29	Collector	Ujjain	0734	2535244	2510878	2513512	9009100172
30	IG/DIG	Ujjain	0734	2527120	2527121	2520100	7049100311
31	SP's	Ujjain	0734	2527130	2527131	2527143	9425162837
32	Commissioner	ujjain	734	2511671	2511670	2523351	
33	Collect-or	Nimach	07423	223063	220083	228501	9425057585
34	Collect-or	Mandsaur	07422	235260	235270	235307	9425613800
35	SP's	Nimach	07423	223058	220070	228620	7049142001
36	SP's	Mandsaur	07422	255050	255210	255210	9425162831
37	Commissioner	Bhopal	0755	2540399	2540399	2540772	9425130030
38	Commissioner	Ujjain	0734	2511671	-	227100	-
39	Collector	Bhopal	0755	2540494	2430003	-	9425019888
40	Collector	Sehore	07562	227766	226811	-	9630457333

DISASTER MANAGEMENT PLAN

41	Collector	Sajapur	0734	226500	228600	227378	-
42	IG/DIG	Bhopal	0755	2443599	2443201	2677345	9479990399
43	Sp's	Bhopal	0755	2443800	2443404	2677	9425302003
44	Sp's	Sehore	07562	227000	227001	-	7049100458
45	Collector	Dahod	02673	239001	251888	239277	9978406207
46	IG/DIG	Godhara	02672	245048	-	-	9978406999
47	Sp's	Dahod	02673	222300	223300	220800	9978405068
48	Collector	RTM	07412	270400	270402	270408	9977385800
49	SP	„	„	270460	270461	243802	9425302001
50	SDO	„	„	23544	-		-
51	Comm.Nagar Nigam	“	“	270555	-		-
52	Collector	RTM	07412	270402	270400	270408	9977385800
53	SP	„	„	270460	270461	243802	7049127627
54	Collector	RTM	07412	270402	270400	240408	9977385800
55	SP	„	„	270460	270461	240402	7049127627
56	Collector	Jhabua	07392	243401	243402	243330	7392243401
57	SP	"	"	243410	243411	243476	7392243410
58	ADM	"	07392	261447	-	-	7392244353

7.5 LIST OF MEDICAL FACILITIES

SECTION :- DET (Excl) – NIMBAHERA											
Sr. No.	Station Code	Name of Hospitals	Facilities Available						PNT NO.		Mobile No.
			Blood Bank	Ambu-lance	Beds	ICU	ECG	OT	STD Code	Phone No.	
1.	CNA	Civil Hospital. COR	Yes	Yes	150	Yes	Yes	Yes	01472	241102	9464635767
2.	CNA	Occupational Hospital CNA	-	-	02	-	Yes	-	01472	256601	-
3.	CNA	Rajkiya Health Ekai CNA	-	-	02	-	Yes	-	01472	-	9413640849
4.	CNA	BCW Dispensary CNA	-	-	02	-	Yes	-	01472	259470	-
5.	CNA	HZL Dispensary CNA	-	-	02	-	Yes	-	01472	245366	-
6.	COR	Jainwani Hospital COR	-	Yes	28	Yes	Yes	Yes	01472	240222	-
7.	COR	Bhakti Hospital Pratap Nagar	-	-	05	Yes	Yes	-	01472	241232	9414109232
8.	COR	Ma Gayatri Hospital COR	-	Yes	10	Yes	Yes	-	01472	249499	9413595098
9.	COR	Laddha clinic COR	-	-	05	Yes	Yes	-	01472	240350	9414110913
10.	COR	Shriram Nursing Home COR	-	-	03	Yes	Yes	-	01472	244121	-
11.	COR	Health Unit Paunpol	-	-	02	-	Yes	-	01472	-	-
12.	COR	Civil Hospital COR	Yes	Yes	150	Yes	Yes	Yes	01472	241102	9461635767
13.	ORDI	Civil Hospital COR	Yes	Yes	150	Yes	Yes	Yes	01472	241102	9461635767
14.	SMP	Civil Hospital COR	Yes	Yes	150	Yes	Yes	Yes	01472	241102	9461635767
15.	SMP	Primary Health Centre Sava	-	-	02	-	Yes	-	01472	223626	9001990557
16.	SMP	Adity Trust Hospital SMP	-	Yes	08	Yes	Yes	-	01472	229237	-
17.	GRF	Civil Hospital COR	Yes	Yes	150	Yes	Yes	Yes	01472	241102	9461635767
18.	GRF	Common Health Centre NBH	Yes	Yes	50	Yes	Yes	Yes	01477	220114	8290488622
19.	NBH	Common Health Centre NBH	Yes	Yes	50	Yes	Yes	Yes	01477	220114	8290488622
20.	NBH	Laddha Hosp NBH	-	Yes	10	Yes	Yes	-	01477	221204	-
21.	NBH	Ravindra Clinic NBH	-	-	06	Yes	Yes	-	01477	220684	9825177381
22.	NBH	Sneh Hospital NBH	Yes	Yes	16	Yes	Yes	-	01477	220370	9629833470
23.	NBH	Mahavir Hospital NBH	-	Yes	10	Yes	Yes	-	01477	220684	-
24.	NBH	JK Cement Hospital NBH	-	-	02	-	Yes	-	01477	220087	-
25.	NBH	Getwell Hospital NBH	-	Yes	10	Yes	Yes	-	01477	222800	9828225031

SECTION :- NIMBAHERA (Excl) – DHODHAR

Sr. No.	Station Code	Name of Hospitals	Facilities Available						PNT NO.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD Code	Phone No.	
1.	JWO	Vikram Jan Seva Trust Hosp KHOR	Yes	Yes	31	Yes	Yes	Yes	07420	230123	9669822736
2.	JWO	Civil Hospital Nayagoan	-	Yes	10	Yes	Yes	Yes	07420	236500	9425923973
3.	JWO	Upadhyay Hospital JWO	-	-	01	-	-	-	07420	228180	
4.	JWO	Mahila Prasuti Hospital JWO	-	Yes	30	Yes	Yes	Yes	07420	-	9993065779
5.	BIWK	Vardhaman Hospital BIWK	-	-	01	-	-	-	07423	283222	9827331515
6.	NMH	Civil Hosp. Neemuch	Yes	Yes	75	Yes	Yes	Yes	07423	220082	9827296222
7.	NMH	Station Hospital CRPF NMH	Yes	Yes	50	Yes	Yes	Yes	07423	220230	-
8.	NMH	Usha Nursing Home NMH	-	Yes	25	Yes	Yes	Yes	07423	224824	-
9.	NMH	Choudhary Hospital NMH	-	Yes	25	Yes	Yes	Yes	07423	221978	-
10.	NMH	Vimal Clinic NMH	-	Yes	25	Yes	Yes	Yes	07423	220379	-
11	JMKL	Civil Hospital. Neemuch	Yes	Yes	75	Yes	Yes	Yes	07423	220082	9827296222
12	HKL	Civil Hospital.. Neemuch	Yes	Yes	75	Yes	Yes	Yes	07423	220082	9827296222
13	HKL	Civil Hospital. Jeeran	-	-	01	-	-	-	07423	236520	-
14	MLG	Civil Hospital. Malhargarh	-	Yes	12	Yes	Yes	Yes	07424	248553	-
15.	PIP	Civil Hospital.. PIP	-	-	02	-	-	Yes	07420	241995	-
16.	PIP	Distt Civil Hospital.. MDS	Yes	Yes	300	Yes	Yes	Yes	07422	242421	0836749675
17.	PIP	Civil Hospital.Malhargarh	-	Yes	12	Yes	Yes	Yes	07424	248553	-
18	SDPN	Distt Civil Hospital.. MDS	Yes	Yes	300	Yes	Yes	Yes	07422	242421	0836749675
19.	MDS	R.K. Hospital. MDS	-	-	03	-	-	-	07422	406990	
20.	MDS	Distt Civil Hospital.. MDS	Yes	Yes	300	Yes	Yes	Yes	07422	242421	0836749675
21.	MDS	Shantiraj Hospital.. MDS	-	Yes	10	Yes	Yes	Yes	07422	406001	-
22.	MDS	Shukla Nursing/Home MDS	Yes	Yes	25	Yes	Yes	Yes	07422	244181	-
23	DLD	Govt. Hospital Dhundharka	Yes	Yes	10	Yes	Yes	Yes	07422	281498	-
24	DLD	Seva Clinic DLD	-	-	06	-	-	-	07422	261338	-
25	DLD	Distt Civil Hospital MDS	Yes	Yes	300	Yes	Yes	Yes	07422	242421	0836749675
26.	KCNRD	Primary Health Centre Nagari	-	-	02	-	-	-	07422	266015	-
27.	KCNRD	Distt Civil Hosp. MDS	Yes	Yes	300	Yes	Yes	Yes	07422	242421	0836749675
28.	KCNR	Primary Health Centre Nagari	-	-	02	-	-	-	07422	266015	-
29.	KCNR	Distt Civil Hospital. MDS	Yes	Yes	300	Yes	Yes	Yes	07422	242421	0836749675
30.	DOD	Civil Hospital. Jaora	Yes	Yes	90	Yes	Yes	Yes	07414	220035	9827224413
31.	DOD	Rathor Nursing Home JAO	Yes	Yes	50	Yes	Yes	Yes	07414	220511	9425423967
32.	DOD	Lions Hospital JAO	Yes	Yes	35	Yes	Yes	Yes	07414	221404	7000376499,8889726118

DISASTER MANAGEMENT PLAN

SECTION:- BAMNIA TO RATLAM & KACHNARA ROAD (Excl) TO RATLAM

Sr. No.	Station Code	Name of Hospitals	Facilities Available						PNT NO.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD Code	Phone No.	
1.	BMI	Civil Hospital BMI	-	-	02	-	-	-	-	-	9165026364
2	BMI	Civil Hospital Petlawad	-	Yes	30	Yes	Yes	Yes	07391	265444	9893678040
3..	BMI	Civil Hospital Khawasa	-	-	04	-	-	-	-	-	9893678040
4.	BOG	Civil Hospital Khawasa	-	-	04	-	-	-	-	-	9893678040
5.	BOG	Civil Hospital Petlawad	-	Yes	30	Yes	Yes	Yes	07391	265444	9893678040
6.	RTI	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
7.	RTI	Civil Hospital Raoti	-	-	10	Yes	Yes	Yes	07413	270205	9425937175
8.	RTI	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
9.	BLDI	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
10.	BLDI	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
11.	MRN	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
12.	MRN	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
13	DRRN	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
14.	DRRN	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
15.	RTM	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
16.	RTM	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
17.	RTM	Janak Hospital RTM	-	Yes	30	Yes	Yes	Yes	07412	270324	9425078159
18.	DOD	Civil Hospital Jaora	Yes	Yes	90	Yes	Yes	Yes	07414	220035	9926748225
19.	DOD	Rathor Nursing Home Jao	-	Yes	50	Yes	Yes	Yes	07414	220511	9425423967
20.	DOD	Lions Hospital Jaora	-	Yes	35	Yes	Yes	Yes	07414	221404	7000376499,8889726118
21.	MDLM	Civil Hospital Jaora	Yes	Yes	90	Yes	Yes	Yes	07414	220035	9926748225
22.	MDLM	Rathor Nursing Home Jaora	-	Yes	50	Yes	Yes	Yes	07414	220511	9425423967
23.	MDLM	Lions Hospital Jaora	-	Yes	35	Yes	Yes	Yes	07414	221404	7000376499,8889726118
24.	JAO	Civil Hospital Jaora	Yes	Yes	90	Yes	Yes	Yes	07414	220035	9926748225
25	JAO	Rathor Nursing	-	Yes	50	Yes	Yes	Yes	07414	220511	9425423967

DISASTER MANAGEMENT PLAN

		Home Jaora									
26	JA0	Lions Hospital Jaora	-	Yes	35	Yes	Yes	Yes	07414	221404	7000376499,8889726118
27	BRLA	Civil Hospital Jaora	Yes	Yes	90	Yes	Yes	Yes	07414	220035	9926748225
28	BRLA	Rathor Nursing Home Jaora	-	Yes	50	Yes	Yes	Yes	07414	220511	9425423967
29.	BRLA	Lions Hospital Jaora	-	Yes	35	Yes	Yes	Yes	07414	221404	7000376499,8889726118
30	NLI	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
31	NLI	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
32	NLI	Janak Hospital RTM	-	Yes	30	Yes	Yes	Yes	07412	270324	9425078159
33	DHWS	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
34	DHWS	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
35	DHWS	Janak Hospital RTM	-	Yes	30	Yes	Yes	Yes	07412	270324	9425078159
36	NGW	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	-	9425129820
37	NGW	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
38	RNJ	Civil Hospital Barnagar	-	Yes	35	Yes	Yes	Yes	07367	225345	9827551662
39	RNJ	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	-	9425129820
40	RNJ	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
41	RNJ	Janak Hospital RTM	-	Yes	30	Yes	Yes	Yes	07412	270324	9425078159
42	SNBD	Civil Hospital Barnagar	-	Yes	32	Yes	Yes	Yes	07367	225345	9425352050
43	SNBD	Geeta Nursing Home BNG	-	Yes	30	Yes	Yes	Yes	07367	225317	9300764676
44	PRNG	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412		9425129820
45	PRNG	Janak Hospital RTM	-	Yes	30	Yes	Yes	Yes	07412	270324	9425078159
46	BNG	Civil Hospital Barnagar	-	Yes	32	Yes	Yes	Yes	07367	225345	9827551662
47	BNG	Geeta Nursing Home BNG	-	Yes	30	Yes	Yes	Yes	07367	225317	9300764676

DISASTER MANAGEMENT PLAN

SECTION :- KANSUDHI (Excl) – AMARGARH

Sr. No.	Station Code	Name of Hospitals	Facilities Available						PNT NO.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD Code	Phone No.	
1.	KIZ	Civil Hospital. GDA	Yes	Yes	210	Yes	Yes	Yes	02672	240950	08980045312
2	CCL	Civil Hospital GDA	Yes	Yes	210	Yes	Yes	Yes	02672	240950	8980045328
3..	SAT	Primary Arogya	-	Yes	06	Yes	Yes	Yes	02672	282564	7567893477
4.	PPD	Govt. Hospital Piplod	Yes	Yes	150	Yes	Yes	Yes	02678	220435	9687630255
5.	PPD	Civil Hospital Baria Road	-	Yes	30	Yes	Yes	Yes	02672	245541	9427368142
6.	LMK	chc bariya road Lmk	Yes	Yes	30	Yes	Yes	Yes	02677	220435	7567895409
7.	LMK	Govt. Hospital Baria Road	-	Yes	150	Yes	Yes	Yes	02678	220435	9638582694
8.	MAM	Civil Hospital Baria Road	-	Yes	30	Yes	Yes	Yes	02672	240950	7567895409
9.	USRA	Cottage Hospital DHD	Yes	Yes	106	Yes	Yes	Yes	02673	220029	07567895505
10.	JKT	Cottage Hospital DHD	Yes	Yes	106	Yes	Yes	Yes	02673	220029	07567895505
11.	RET	Cottage Hospital DHD	Yes	Yes	106	Yes	Yes	Yes	02673	220029	07567895505
12.	RET	Urban Bank Hospital DHD	Yes	Yes	150	Yes	Yes	Yes	02673	221820	09825788879
13.	DHD	Cottage Hospital DHD	Yes	Yes	106	Yes	Yes	Yes	02673	220029	07567895505
14	DHD	Urban Bank Hospital . DHD	Yes	Yes	150	Yes	Yes	Yes	02673	221820	09825788879
15.	DHMA	-									
16.	DHMA	-									
17.	BIO	C.H.C Bordi	-	108 Yes	10	-	-	-	-	-	07567895138
18.	BIO	Cottage Hospital DHD	Yes	Yes	106	Yes	Yes	Yes	02673	220029	07567895505
19.	BIO	Urban Bank Hospital. DHD	Yes	Yes	150	Yes	Yes	Yes	-	-	09825788879
20.	ANS	Primary Health Centre Timrada	-	108 yes	-	Yes	Yes	Yes	Yes	Yes	07567895144
21.	ANS	Jivanjyoti Hospital. MGN	Yes	Yes	60	Yes	Yes	Yes	07390	284455	9424973777
22.	MGN	Jivanjyoti Hospital MGN	Yes	Yes	60	Yes	Yes	Yes	07390	284455	9424973777
23.	MGN	Distt Hospital JHABUA	Yes	Yes	200	Yes	Yes	Yes	07392	249915	09425192450
24.	THDR	C.H.C. THDR	-	Yes	30	Yes	Yes	Yes	07390	276219	9425078092
25.	BJG	C.H.C. THDR	-	Yes	30	Yes	Yes	Yes	07390	276219	9425078092
26	PCN	C.H.C. THDR	-	Yes	30	Yes	Yes	Yes	07390	276219	9425078092
27	AGR	C.H.C. THDR	-	Yes	30	Yes	Yes	Yes	07390	276219	9425078092
28	AGR	Civil Hospital AGR	-	Yes	35	Yes	Yes	Yes	-	-	9425925625
29	SAT	Primary Health Centre SAT	-	-	06	-	-	-	02672	282564	07567893477
30	SAT	Zavery Hospital SAT	-	-	08	-	-	-	02672	282564	09601945222

DISASTER MANAGEMENT PLAN

SECTION :- RATLAM (Excl) - NAGDA - NAIKHEDI

Sr. No.	Station Code	Name of Hospitals	Facilities Available						PNT NO.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD Code	Phone No.	
1.	BOD	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
2.	BOD	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
3.	BOD	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
4.	RNH	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
5.	RNH	GEETA DEVI HOSPITAL RATLAM	Yes	Yes	100	Yes	Yes	Yes	-	-	7773050504
6.	RNH	Distt Civil Hospital RTM	Yes	Yes	460	Yes	Yes	Yes	07412	270444	9425129820
7.	RNH	Civil . Hospital KUH	Yes	Yes	50	Yes	Yes	Yes	-	-	9424346737
8.	KUH	Civil . Hospital KUH	Yes	Yes	50	Yes	Yes	Yes	-	-	9424346737
9.	KUH	City medical center KUH	-	Yes	10	-	-	-	-	-	8085301435
10.	BRNA	Civil . Hospital. KUH	Yes	Yes	50	Yes	Yes	Yes	-	-	9424346737
11.	BRNA	Civil Hospital NAD	Yes	Yes	30	Yes	Yes	Yes	-	-	8123138483
12.	BRNA	Janseva Hospital. NAD	Yes	Yes	50	Yes	Yes	Yes	-	-	9926168779
13.	NAD	Civil Hospital NAD	Yes	Yes	30	Yes	Yes	Yes	-	-	8123138483
14.	NAD	Janseva Hospital NAD	Yes	Yes	50	Yes	Yes	Yes	07366	247200	9617774492
15.	NAD	ESI Dispensary B/G NAD	-	Yes	50	Yes	Yes	Yes	-	-	9826299522
16.	NAD	ESI Dispensary ING NAD	-	Yes	50	Yes	Yes	Yes	-	-	9827255886
17.	NAD	Janmejaya hospital NAD	-	Yes	30	Yes	Yes	-	-	-	9407012009
18.	NAD	Gurukrip Nursing Home NAD	-	-	05	Yes	Yes	-	-	-	9826246885
19.	NAD	Sharma Hospital NAD	-	-	10	Yes	Yes	-	-	-	7000556829
20.	NAD	Shreeji Kripa Hospital NAD	-	-	-	-	-	-	-	-	9425458873
21.	BSTD	Civil Hospital . NAD	Yes	Yes	30	Yes	Yes	Yes	-	-	8123138483
22.	BSTD	Janseva Hospital . NAD	Yes	Yes	50	Yes	Yes	Yes	07366	247200	9926168779
23.	PPG	Civil Hospital . NAD	Yes	Yes	30	Yes	Yes	Yes	-	-	8123138483
24.	PPG	Janseva Hospital . NAD	Yes	Yes	50	Yes	Yes	Yes	07366	247200	9926168779
25.	PPG	Janmejaya Hospital	-	Yes	30	-	-	-	-	-	9407012009
26.	UNL	Civil Hospital. NAD	Yes	Yes	30	Yes	Yes	Yes	-	-	8123138483
27.	UNL	Janseva Hospital. NAD	Yes	Yes	50	Yes	Yes	Yes	07366	247200	9926168779
28.	UNL	Civil Hospital UNL	Yes	Yes	30	Yes	Yes	Yes	-	-	7415894094
29.	ASL	Civil Hospital. NAD	Yes	Yes	30	Yes	Yes	Yes	-	-	8123138483
30.	ASL	Civil Hospital. UNL	Yes	Yes	30	Yes	Yes	Yes	-	-	7415894094
31.	PSO	Civil Hospital. UNL	Yes	Yes	30	Yes	Yes	Yes	-	-	7415894094
32.	PSO	Civil Hospital NAD	Yes	Yes	30	Yes	Yes	Yes	-	-	8123138483
33.	NKI	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	-	-	9407153232
34.	NKI	ESI Hospital UJN	Yes	Yes	100	Yes	Yes	Yes	-	-	9826010532

SECTION:- DEWAS(Excl) – UJJAIN-BHOPAL (Excl)

DISASTER MANAGEMENT PLAN

Sr. No.	Station Code	Name of Hospitals	Facilities Available						PNT NO.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD Code	Phone No.	
1.	VRG	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232
2.	NKI	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232
3	NKI	ESI Hospital UJN	Yes	Yes	100	Yes	Yes	Yes	0734	2562278	9826010532
4.	UJN	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232
5	UJN	ESI Hospital UJN	Yes	Yes	100	Yes	Yes	Yes	0734	2562278	9826010532
6.	UJN	Cheritable Hospital UJN	Yes	Yes	416	Yes	Yes	Yes	0734	2552038	9926006606
7.	UJN	S.S. Hospital UJN	Yes	Yes	100	Yes	Yes	Yes	0734	2514675 , 2515056 , 2520141	
8.	UJN	Avanti Hospital UJN	-	yes	100	3	yes	yes	0734	2537123	983717732
9.	UJN	R.D.Gardi Med. Collage UJN	Yes	Yes	550	Yes	Yes	Yes	07368	261305	9425093544
10.	UJN	Pushpa Mission Hospital UJN	-	Yes	60	Yes	Yes	Yes	0734	2512933	
11.	PLW	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232
12	PLW	ESI Hospital UJN	Yes	Yes	100	Yes	Yes	Yes	0734	2562278	9826010532
13	PLW	Birla Hospital UJN	Yes	Yes	100	Yes	Yes	Yes	0734	2510725	8817041190
14.	TJP	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232
15.	TJP	ESI Hospital UJN	Yes	Yes	100	Yes	Yes	Yes	0734	2562278	9826010532
16.	SVT	Govt. Dispensary TAN	-	Yes	27	Yes	Yes	Yes	07369	236404	9425108832
17.	TAN	Govt. Dispensary TAN	-	Yes	27	-	Yes	Yes	07369	236404	9425108832
18.	MKC	Govt. Dispensary MKC	-	-	07	-	-	-	07363	-	7999035034
19.	MKC	Murlidharkripa Hospital MKC	-	Yes	50	Yes	Yes	Yes	07363	2334228	9425921766
20	PUO	Murlidharkripa Hospital MKC	-	Yes	50	Yes	Yes	Yes	07363	2334228	9425921766
21	PUO	Govt. Dispensary MKC	-	-	07	-	-	-	-	-	7999035034
22.	BCH	Murlidharkripa Hospital MKC	-	Yes	50	Yes	Yes	Yes	07363	2334228	9425921766
23.	BCH	Govt. Dispensary BCH	-	-	-	-	-	-	07363	235168	9826620544
24..	AKD	Govt. Hospital AKD	-	Yes	76	Yes	Yes	Yes	07360	253735	9717160509
25.	AKD	Govt. Hospital City SJP	-	Yes	76	Yes	Yes	Yes	07360	244440	9752845700
26	MQE	Govt. Hospital City SJP	-	Yes	76	Yes	Yes	Yes	07360	244440	9752845700
27.	SJP	Govt. Hospital City SJP	-	Yes	76	Yes	Yes	Yes	07360	244440	9752845700
28.	SJP	Govt. Hospital Mandi SJP	-	Yes	28	Yes	Yes	Yes	07360	244440	9589872823
29.	CKOD	Govt. Hospital City SJP	-	Yes	76	Yes	Yes	Yes	07360	244440	9752845700
30.	CKOD	C.H.C. Kalapipal	-	Yes	30	Yes	Yes	Yes	07360	268509	8463095239
31.	KPP	Govt. Hospital City SJP	-	Yes	76	Yes	Yes	Yes	07360	244440	9752845700
32.	KPP	Govt. Dispensary KPP	-	Yes	30	Yes	Yes	Yes	07360	268509	8463095239
33.	JBX	Govt. Hospital City SJP	-	Yes	76	Yes	Yes	Yes	07360	244440	9752845700
34.	JBX	Govt. Hospital SEH	Yes	Yes	167	Yes	Yes	Yes	07562	227022	9893371698
35.	JBX	Govt. Dispensary KPP	-	Yes	30	Yes	Yes	Yes	07360	268509	8463095239
36	PRB	Govt. Hospital SEH	Yes	Yes	167	Yes	Yes	Yes	07562	227022	9893371698
37.	BKTL	Govt. Hospital SEH	Yes	Yes	167	Yes	Yes	Yes	07562	227022	9893371698
38.	SEH	Govt. Hospital SEH	Yes	Yes	167	Yes	Yes	Yes	07562	227022	9893371698
39.	SEH	Jaiswal Nursing Home SEH	-	Yes	20	Yes	Yes	Yes	07562	224074	9826016213
40	PNWN	Govt. Hospital SEH	Yes	Yes	167	Yes	Yes	Yes	07562	227022	9893371698
41	PUD	Govt. Hospital SEH	Yes	Yes	167	Yes	Yes	Yes	07562	227022	9893371698
42	BQE	Govt. Hospital BIH	Yes	Yes	110	Yes	Yes	Yes	0755	2711096	9425256502

DISASTER MANAGEMENT PLAN

43	BIH	Hamidiya Hospital BPL	Yes	Yes	900	Yes	Yes	Yes	0755	4050020	9300102194 , 9425010050
44	BIH	Govt. Hospital BIH	Yes	Yes	110	Yes	Yes	Yes	0755	2711096	9425256502
45.	MABG	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232
46.	KDHA	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232
47.	UDM	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
48.	NRGR	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
49.	DWX	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
50.	RCJ	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
51..	RCJ	Govt. Dispensary MKC	-	-	07	-	-	-	07368	-	7999035034
52.	LOD	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236
53.	CNN	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232

SECTION :- INDORE –NARANGIPUR (Excl), DEWAS-MAKSI (Excl), RAU (Excl)- BARNAGAR (Excl)

DISASTER MANAGEMENT PLAN

Sr. No.	Station Code	Name of Hospitals	Facilities Available						PNT NO.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD Code	Phone No.	
1.	NRGR	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
2.	DWX	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
3.	BNJN	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
4.	BLAX	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
5.	MGG	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
6.	MGG	SHALBY HOSP., BOMBAY HOSP.	YES	YES	250, 300	YES	YES	YES	0731	6677777, 2558866	
7.	LMNR	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
8.	RCJ	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9826075755
9.	RCJ	Govt. Dispensary MKC	-	-	07	-	-	-	0736	3233429	9425921766
10.	MGG	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
11.	MGG	SHALBY HOSP., BOMBAY HOSP.	-	-	-	-	-	-	0731	6677777, 2558866	
12.	LMNR	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
13.	RCJ	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
14.	RCJ	Govt. Dispensary MKC	-	-	07	-	-	-	0736	3233429	9425921766
15.	MGG	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
16.	MGG	SHALBY HOSP., BOMBAY HOSP.	-	-	-	-	-	-	0731	6677777, 2558866	
17.	LMNR	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
18.	RCJ	Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
19.	RCJ	Govt. Dispensary MKC	-	-	07	-	-	-	0736	3233429	9425921766
20.	IND	SHALBY HOSP., BOMBAY HOSP.	YES	YES	250, 300	YES	YES	YES	0731	6677777, 2558866	-
21.	IND	AUROBINDO HOSP.,IND	yes	yes	1600	yes	yes	yes	0731	423100	
22.	SFNR	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
23.	LKMN	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
24.	LKMN	SHALBY HOSP. IND	Yes	Yes	250	Yes	Yes	Yes	0731	6677777	-
25.	RNJ	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
26.	RNJ	M.Y Hospital IND	Yes	Yes	917	Yes	Yes	Yes	0731	2438100	9893273236, 9827215466
27.	RNJ	CIVIL HOSPITAL BNG	YES	YES	50	YES	YES	YES	0736	225345	9827551662

Section- RJQ-FTD, MGG-BNJN

DISASTER MANAGEMENT PLAN

S. N	Station Code	Name Of Hospitals	Facility Available						PNT No.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD code	Phone No.	
1	RJQ	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9893273236, 9827215466
		BOMBAY HOSPITAL	Y	Y	300	Y	Y	Y	0731	2558866	
		SHALBY HOSPITAL	Y	Y	250	Y	Y	Y	0731	6677777	
		AURBINDO HOSPITAL	Y	Y	1600	Y	Y	Y	0731	423100	
		BHANDARI HOSPITAL	Y	Y	100	Y	Y	Y	0731	4733260	9827534254
2	INDB	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9893273236, 9827215466
		BOMBAY HOSPITAL	Y	Y	300	Y	Y	Y	0731	2558866	
		SHALBY HOSPITAL	Y	Y	250	Y	Y	Y	0731	6677777	
		AUROBINDO HOSPITAL	Y	Y	1600	Y	Y	Y	0731	423100	
		RAILWAY PRIMARY MEDICAL CENTRE	N	N	02	N	Y	N	0731	2528069	9752492512
		BHANDARI HOSPITAL	Y	Y	100	Y	Y	Y	0731	4733260	9827534254
3	LMNR	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9893273236, 9827215466
		BOMBAY HOSPITAL	Y	Y	300	Y	Y	Y	0731	2558866	
		SHALBY HOSPITAL	Y	Y	250	Y	Y	Y	0731	6677777	
		AUROBINDO HOSPITAL	Y	Y	1600	Y	Y	Y	0731	423100	
		RAILWAY PRIMARY MEDICAL CENTRE	N	N	02	N	Y	N	0731	2528069	9752492512
		BHANDARI HOSPITAL	Y	Y	100	Y	Y	Y	0731	4733260	9827534254
4	PLA	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9893273236, 9827215466
		BOMBAY HOSPITAL	Y	Y	300	Y	Y	Y	0731	2558866	
		SHALBY HOSPITAL	Y	Y	250	Y	Y	Y	0731	6677777	
		AUROBINDO HOSPITAL	Y	Y	1600	Y	Y	Y	0731	423100	
5	AJN	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9893273236, 9827215466
		PYARIBAI MEMORIAL HOSPITAL (SANWER)	N	Y	45	Y	Y	Y			9425077267
		GOVT.HOSPITAL (SANWER)	N	N	50	N	Y	N			9893417306

DISASTER MANAGEMENT PLAN

6	FTD	Distt. Civil Hospital UJN	Yes	Yes	610	Yes	Yes	Yes	0734	2551077, 78	9407153232
		GOVT. PRIMARY HEALTH CENTRE (CHANDRAWATIGANJ)	N	N	20	N	Y	N	-	-	9575641410
		GOVT.HOSPITAL (SANWER)	Y	Y	40	N	Y	N	07321	220844	9893417306
7	MGG	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9893273236, 9827215466
		BOMBAY HOSPITAL	Y	Y	300	Y	Y	Y	0731	2558866	
		SHALBY HOSPITAL	Y	Y	250	Y	Y	Y	0731	6677777	
		AUROBINDO HOSPITAL	Y	Y	1600	Y	Y	Y	0731	423100	
		BHANDARI HOSPITAL	Y	Y	100	Y	Y	Y	0731	4733260	9827534254
		M.M. HOSPITAL	Y	Y	108	Y	Y	Y			9111733345
8	BLAX	SANSKAR HOSPITAL (DEWAS)	Y	Y	100	Y	Y	Y	07272	253939	9827330810
		M G HOSPITAL (DEWAS)	Y	Y	100	Y	Y	Y			9691782419
		Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
		M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	989327323,, 9827215466
9	BNJN	SANSKAR HOSPITAL (DEWAS)	Y	Y	100	Y	Y	Y	07272	253939	9827330810
		M G HOSPITAL (DEWAS)	Y	Y	100	Y	Y	Y			9691782419
		Civil Hospital DWX	Yes	Yes	200	Yes	Yes	Yes	07272	253349	9406834125
		M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9893273236, 9827215466

Section- RAU-KNW

DISASTER MANAGEMENT PLAN

S. NO	Station Code	Name Of Hospitals	Facility Available						PNT No.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD code	Phone No.	
1	RAU	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9826015120
		SHRI CLOTH MARKET HOSPITAL	Y	Y	210	Y	Y	Y	0731	2380872	
		BOMBAY HOSPITAL	Y	Y	200	Y	Y	Y	0731	4077000	
		T. CHOITHRAM	Y	Y	250	Y	Y	Y	0731	2362491	
		GURJAR HOSPITAL	Y	Y	50	Y	Y	Y	0731	4095458	
		UNIK HOSPITAL	Y	Y	90	Y	Y	Y	0731	4099224	
		MINESH HOSPITAL	N	Y	73	Y	Y	Y	0731	4201300	
		CIVIL HOSPITAL MHOW	N	Y	55	N	Y	Y	07324	279100	
		RED CROSS	Y	Y	40	Y	Y	Y	07324	273739	
		MEWADA	N	Y	100	Y	Y	Y	07324		
		GETWEL	N	Y	70	Y	Y	Y	07324	275300	
		ARMY HOSPITAL	Y	Y	149	Y	Y	Y	07324	275926	9644461030
		RAILWAY HOSPITAL DADN	N	N	4	N	Y	N	07324	220365	
		PRASHANTI	N	N	30	Y	Y	Y	07324	272221	
		MALWA	N	Y	30	Y	Y	Y	07324	273924	
		GOYAL HOSPITAL	N	Y	25	Y	Y	Y	07324		9826517133
2	TIHI	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9826015120
		SHRI CLOTH MARKET HOSPITAL	Y	Y	210	Y	Y	Y	0731	2380872	
		BOMBAY HOSPITAL	Y	Y	200	Y	Y	Y	0731	4077000	
		T. CHOITHRAM	Y	Y	250	Y	Y	Y	0731	2362491	
		GURJAR HOSPITAL	Y	Y	50	Y	Y	Y	0731	4095458	
		UNIK HOSPITAL	Y	Y	90	Y	Y	Y	0731	4099224	
		MINESH HOSPITAL	N	Y	73	Y	Y	Y	0731	4201300	
		CIVIL HOSPITAL MHOW	N	Y	55	N	Y	Y	07324	279100	
		RED CROSS	Y	Y	40	Y	Y	Y	07324	273739	
		MEWADA	N	Y	100	Y	Y	Y	07324	276108	
		GETWEL	N	Y	70	Y	Y	Y	07324	275300	
		ARMY HOSPITAL	Y	Y	149	Y	Y	Y	07324	275926	9644461030
		RAILWAY HOSPITAL DADN	N	N	4	N	Y	N	07324	220365	

DISASTER MANAGEMENT PLAN

S. NO	Station Code	Name Of Hospitals	Facility Available						PNT No.		Mobile No.
			Blood Bank	Ambulance	Beds	ICU	ECG	OT	STD code	Phone No.	
		PRASHANTI	N	N	30	Y	Y	Y	07324	272221	
		MALWA	N	Y	30	Y	Y	Y	07324	273924	
		GOYAL HOSPITAL	N	Y	25	Y	Y	Y	07324		9826517133
3	DADN	M.Y.HOSPITAL	Y	Y	917	Y	Y	Y	0731	2438100	9826015120
		SHRI CLOTH MARKET HOSPITAL	Y	Y	210	Y	Y	Y	0731	2380872	
		BOMBAY HOSPITAL	Y	Y	200	Y	Y	Y	0731	4077000	
		T. CHOITHRAM	Y	Y	250	Y	Y	Y	0731	2362491	
		GURJAR HOSPITAL	Y	Y	50	Y	Y	Y	0731	4095458	
		UNIK HOSPITAL	Y	Y	90	Y	Y	Y	0731	4099224	
		MINESH HOSPITAL	N	Y	73	Y	Y	Y	0731	4201300	
		CIVIL HOSPITAL MHOW	N	Y	55	N	Y	Y	07324	279100	
		RED CROSS	Y	Y	40	Y	Y	Y	07324	273739	
		MEWADA	N	Y	100	Y	Y	Y	07324	276108	
		GETWEL	N	Y	70	Y	Y	Y	07324	275300	
		ARMY HOSPITAL	Y	Y	149	Y	Y	Y	07324	275926	9644461030
		RAILWAY HOSPITAL DADN	N	N	4	N	Y	N	07324	220365	
		PRASHANTI	N	N	30	Y	Y	Y	07324	272221	
		MALWA	N	Y	30	Y	Y	Y	07324	273924	
		GOYAL HOSPITAL	N	Y	25	Y	Y	Y	07324		9826517133
4	PTP	MINESH HOSPITAL	N	Y	73	Y	Y	Y	0731	4201300	
		CIVIL HOSPITAL MHOW	N	Y	55	N	Y	Y	07324	279100	
		RED CROSS	Y	Y	40	Y	Y	Y	07324	273739	
		MEWADA	N	Y	100	Y	Y	Y	07324	276108	
		GETWEL	N	Y	70	Y	Y	Y	07324	275300	
		ARMY HOSPITAL	Y	Y	149	Y	Y	Y	07324	275926	9644461030
		RAILWAY HOSPITAL DADN	N	N	4	N	Y	N	07324	220365	
		PRASHANTI	N	N	30	Y	Y	Y	07324	272221	
		MALWA	N	Y	30	Y	Y	Y	07324	273924	
5	KKD	CIVIL HOSPITAL MHOW	N	Y	55	N	Y	Y	07324	279100	
		RED CROSS	Y	Y	40	Y	Y	Y	07324	273739	

DISASTER MANAGEMENT PLAN

		MEWADA	N	Y	100	Y	Y	Y	07324	276108	
		GETWEL	N	Y	70	Y	Y	Y	07324	275300	
		ARMY HOSPITAL	Y	Y	149	Y	Y	Y	07324	275926	9644461030
		RAILWAY HOSPITAL DADN	N	N	4	N	Y	N	07324	220365	
		PRASHANTI	N	N	30	Y	Y	Y	07324	272221	
		MALWA	N	Y	30	Y	Y	Y	07324	273924	
6	CRL	CIVIL HOSPITAL MHOW	N	Y	55	N	Y	Y	07324	279100	
		RED CROSS	Y	Y	40	Y	Y	Y	07324	273739	
		MEWADA	N	Y	100	Y	Y	Y	07324	276108	
		GETWEL	N	Y	70	Y	Y	Y	07324	275300	
		ARMY HOSPITAL	Y	Y	149	Y	Y	Y	07324	275926	9644461030
		RAILWAY HOSPITAL DADN	N	N	4	N	Y	N	07324	220365	
		PRASHANTI	N	N	30	Y	Y	Y	07324	272221	
		MALWA	N	Y	30	Y	Y	Y	07324	273924	
7	MKT	CIVIL HOSPITAL	N	Y	50	Y	N	Y	07280	222013	8435678222
		PURNIMA HOSP.	N	N	20	N	N	Y	07280	222961	
		TAIGORE	N	N	15	N	Y	Y	07280	223152	982661744
		DADA DARWAR	Y	Y	30	N	Y	Y	07280	223234	9752591212
		GEETA SHREE	N	N	12	N	N	N	07280	-	9827096320
8	BWW	CIVIL HOSPITAL	N	Y	50	Y	N	Y	07280	222013	8435678222
		PURNIMA HOSP.	N	N	20	N	N	Y	07280	222961	
		TAIGORE	N	N	15	N	Y	Y	07280	223152	982661744
		DADA DARWAR	Y	Y	30	N	Y	Y	07280	223234	9752591212
		GEETA SHREE	N	N	12	N	N	N	07280	-	9827096320
9	OM	CIVIL HOSPITAL SANAWAD	N	Y	40	Y	Y	Y	07280	234492	
		NARMDA HOSP.	N	N	20	Y	Y	Y	07280		9826500425
		OPOLO HOSP.	N	N	10	Y	Y	Y	07280	233006	
		RITIVIK HOSP.	N	Y	25	Y	Y	Y	07280	234174	
		AGRAWAL NARSING HOME	N	Y	20	Y	Y	Y	07280		9907018840
		JAIN NARSING HOME	N	N	10	-		Y	07280		9826285533
		CIVIL HOSPITAL BARWAHA	N	Y	50	Y	N	Y	07280	222013	8435678222
		PURNIMA HOSP.	N	N	20	N	N	Y	07280	222961	

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		TAIGORE	N	N	15	N	Y	Y	07280	223152	982661744
		DADA DARWAR	Y	Y	30	N	Y	Y	07280	223234	9752591212
		GEETA SHREE	N	N	12	N	N	N	07280	-	9827096320
10	SWD	CIVIL HOSPITAL	N	Y	40	Y	Y	Y	07280	234492	
		NARMDA HOSP.	N	N	20	Y	Y	Y	07280		9826500425
		OPOLO HOSP.	N	N	10	Y	Y	Y	07280	233006	
		RITIVIK HOSP.	N	Y	25	Y	Y	Y	07280	234174	
		AGRAWAL NARSING HOME	N	Y	20	Y	Y	Y	07280		9907018840
		JAIN NARSING HOME	N	N	10	-		Y	07280		9826285533
11	NKR	CIVIL HOSPITAL	N	Y	40	Y	Y	Y	07280	234492	
		NARMDA HOSP.	N	N	20	Y	Y	Y	07280		9826500425
		OPOLO HOSP.	N	N	10	Y	Y	Y	07280	233006	
		RITIVIK HOSP.	N	Y	25	Y	Y	Y	07280	234174	
		AGRAWAL NARSING HOME	N	Y	20	Y	Y	Y	07280		9907018840
		JAIN NARSING HOME	N	N	10	-		Y	07280		9826285533
12	ATR	CIVIL HOSPITAL	Y	Y	400	Y	Y	Y	0733	2224102	
		HINDUJA	N	Y	50	Y	Y	Y	0733	2227453	
		GURJAR	N	Y	30	N	Y	Y	0733	2249888	
		SENT RECHARD	N	Y	50	Y	Y	Y	0733	2244126	
13	ANI	CIVIL HOSPITAL	Y	Y	400	Y	Y	Y	0733	2224102	
		HINDUJA	N	Y	50	Y	Y	Y	0733	2227453	
		GURJAR	N	Y	30	N	Y	Y	0733	2249888	
		SENT RECHARD	N	Y	50	Y	Y	Y	0733	2244126	
14	KBCB	CIVIL HOSPITAL	Y	Y	400	Y	Y	Y	0733	2224102	
		HINDUJA	N	Y	50	Y	Y	Y	0733	2227453	
		GURJAR	N	Y	30	N	Y	Y	0733	2249888	
		SENT RECHARD	N	Y	50	Y	Y	Y	0733	2244126	
15	NSPN	NTPC HOSPITAL	Y	Y	2	Y	Y	N			940743438

7.6 LIST OF BLOOD BANKS

Sr. No	Station	Name/Location of Blood Bank	PNT No.		Mobile No.
01	Ratlam	Manav Seva Samitee Blood Bank Ratlam (M.P.)	07412	239000	-
		Distt. Hospital Ratlam	07412	270444	-
02	Dahod	Samarth samitee Dahod (Guj)	02673	246212	-
		Civil Hospital Dahod		220029	07567895505
03	Nagda	Indubhai Parekh Memorial Hospital Nagda (M.P.)	07366	255069	9926168779
		Civil Hospital Nagda	07366	247200	
04	Shujalpur	Civil Hospital Shujalpur (M.P.)	07360	244440	
05	Indore	BHRC HOSPITAL	0731	4733252	
		M.Y.HOSPITAL	0731	2438138	
		RED CROSS SOCIETY INDORE	0731	2492051	9200250000
		MHOW	07324	271255	9826064696
06	Khandwa	DEEP PATHOLOGY			9098341931
07	Neemuch	Verma Pathology Neemuch	07423	220082	-
		Civil Hospital	07423	220230	
08	Bhopal	Red Cross Society Bhopal (M.P.)	0755	2556707	-
		Hamidiya Hospital Bhopal	0755	4050020	
09	Ujjain	Charitable Hospital Budhawaria Ujjain (M.P.)	0734	2557992-98	-
		Civil Hospital Ujjain	0734	2551077	9340719058
		R.D. Gargi Med. Hosp. Ujjain	0734	261305	
		Pushpa Mission Hospital	0734	2515550	
10	Chittorgarh	Civil Hospital Chittorgarh	01472	241102	9464635767
11.	Nimbahera	Commen Health Centre Nimahera	01477	220114	82904888622
12.	Khor	Jan Seva Trust Hospital Khor	07420	230123	
13	Mandsour	Civil Hospital Mandsour	07422	242421	836749675
14	Jaora	Civil Hospital Joara	07414	220035	9836749675
15	Godhara	Civil Hospital Godhara	02672	240950	08980045302
16	Piplod	Civil Hospital Piplod	02678	220435	
17	Meghnagar	Civil Hospital Meghnagar	07390	284455	
18	Khacharod	Civil Hospital Khacharod	07366	230764	9424346737
19	Unhel	Civil Hospital Unhel			7415894094
20	Sehore	Civil Hospital Sehore	07562	227022	9425377064
21	Bairagarh	Civil Hospital Bairagarh	0755	2641142	
22	Dewas	Civil Hospital	07272	253323	9302355524
23	Mhow	Civil Hospital Mhow	07324	229100	9977273709
		Cantt. Hospital Mhow	07324		9826232275
24	Sanavad	Civil Hospital Sanavad	07282	234492	9826707070
25	Khandwa	Civil Hospital Khandwa	0733	223079	9425495405

7.7 PARA- MILITARY ORGANIZATION

SN	Organization	Station	Location	STD CODE	PNT NO	Mobile No
1	BSF (Director)	INDORE	REWATI HILLS			9424560527
2	CISF	BARWAHA	BARWAHA	07280	222852	

7.8 MILITARY ORGANIZATION

MILITARY ORGANIZATION						
Sr. No	Organization	Station	Location	STD Code	PNT NO.	Mobile No.
1	MHOW	DADN	MHOW			9111039404
2	LT-COL/MHOW	Mhow	Mhow Army	7324	226955	-
3	LT-CoL CMP/MHOW	Mhow	CMP/Army Mhow	7324	256219	-
4	Fire Brigadecantonment board Mhow	Mhow	Fire Brigadecantonment board Mhow	7324	273601	-
5	Sainik School	Chittorgarh	Chittorgarh	01472	24017	-
6	03 EME Center Bairagarh Bhopal	Bairagarh	Bairagarh	0755	-	7581836990

7.9 PARA-MILITARY ORGANISATION

SN	Organization	Station	Location	STD CODE	PNT NO	Mobile No
1	BSF (Director)	INDORE	REWATI HILLS			9424560527
2	CISF	BARWAHA	BARWAHA	07280	222852	

7.10 BOMB DETECTION SQUAD, PETROLEUM DEPOT

ANTI BOMB SQUAD				
S.N.	District	Design.	P & T No.	
			Code	Office
1	INDORE	BDDS	0731	7049151730
2	UJJAIN	BDDS	0734	2527143 & 2525253
3	BHOPAL	BDDS	0755	2555922
4.	BOMB DETECTION SQUAD	RTM	-	7049162271
5.	DAHOD		02673	239377

7.11 LIST OF ROAD TRANSPORT PROVIDERS

SN	Name of firm	STD Code	PNT NO	MOBILE NO
1	IMPACT TRAVELS	0731	2516907	9826033993
2	OM SHANTI TRAVELS INDORE			9826011068
3	IMPACT TRAVELS	0731	2516907	9826033993
4	OM SHANTI TRAVELS INDORE			9826011068
5	KARTIK TUR AND TRAVELS	07324		9826553872
6	GURUKRIPA			9893401433
7	SRI SAI TOUR AND TRAVELS			9755933322

TRANSPORT/TRAVEL AGENT							
S N	CITY	NAME & ADDRESS	STD	PHONE			VEHICLE TYPE
				OFF	RES	MOBILE	
1	DHD	KAMLESH BHAI NATIONAL	02673	223366	-	9825253709	TRUCK
2	DHD	Chamunda Travels	02673	-	-	9426085666	BUS
3	RTM	PAWAN TRAVELS	07412	-	-	9406636070	BUSES
4	RTM	ANSH TRAVELS	07412	-	-	7947131394	BUSES
5	RTM	AMBER TRAVELS	-	-	-	9179191755	BUSES
6	RTM	KRISHNA TRAVELS	-	-	-	7898875555	BUSES
7	RTM	M P GOLDEN TANSPO RT CO.	07412	225306	-	9425195127	TRUCK
8	RTM	ASHOK ROADLINES	07412	230677	-	9329656565	TRUCK
9	RTM	RAJASTHAN ROADLINES	07412	230474	-	9425104202	TRUCK
10	NAD	EKATHA ROADLINES	07366	241482	-	9827297063	ALL TYPE
11	NAD	KRISHNA ENTERPRISES	07366	241217	-	9826280124	ALL TYPE
12	UJN	PAWAN TRAVELS	0734	2560052	-	9827045359	ALL TYPE
13	DWX	DEWAS GOLDEN TR.	07272	222095	-	-	ALL TYPE
14	IND	IMPACT TRAVELS	0731	2516907	-	9826033993	CAR
15	KNW	NEW JAIN TRAN.	0733	2222761	-	-	ALL TYPE
16	JAO	BHARAT TRANSPORT	07414	220404	-	9907860000	TRUCK
17	NMH	AGARWAL TRANSP O.	07423		-	9826220404	TRUCK
18	COR	SALANI TRAVELS	01472	244266	-	9414111352	ALL TYPE
19	COR	Omshanti Travels	-	-	-	8003728923	ALL TYPE
20	CNA	MAHESH TRANSPORT	07414	255672	-	9414110430	TRUCK
21	CNA	Mahadev Transport	-	-	-	9414110430	TRUCK

7.12 LIST OF JCB MACHINE, HYDRA B, POCLAIN AND CRANE PROVIDERS

ADENs	Major Section	Block Section	Station Name	Name of Firms with Address	STD Code	PNT No.	Mobile No.	Equipments Available
DADN	RTM-FTD	RTM-NGW	NGW	Mohanlal Patidar Shivpura, Ratlam	-	-	9981416734	JCB
DADN	RTM-FTD	NGW-RNJ	NGW	Sunil Yadav Runija ,Ujjain	-	-	8085801444	JCB, Hydraulic
DADN	RTM-FTD	NGW-RNJ	PRNG	Sunil Yadav Runija ,Ujjain	-	-	8085801444	JCB, Hydraulic
DADN	RTM-FTD	NGW-RNJ	RNJ	Sunil Yadav Runija ,Ujjain	-	-	8085801444	JCB, Hydraulic
DADN	RTM-FTD	RNJ-BNG	RNJ	Salim Patel Jandala Badnagar	-	-	9977285490 7805892903	JCB, Poclain
DADN	RTM-FTD	RNJ-BNG	SNBD	Salim Patel Jandala Badnagar	-	-	9977285490 7805892903	JCB, Poclain
DADN	RTM-FTD	RNJ-BNG	BNG	Salim Patel Jandala Badnagar	-	-	9977285490 7805892903	JCB, Poclain
DADN	RTM-FTD	BNG-FTD	PJH	Mohan Yadav, Tankaria ,Fatehabad	-	-	9827138801	JCB, Poclain
DADN	RTM-FTD	BNG-FTD	JPX	Mohan Yadav, Tankaria ,Fatehabad	-	-	9827138801	JCB, Poclain
DADN	RTM-FTD	BNG-FTD	OSRA	Mohan Yadav, Tankaria ,Fatehabad	-	-	9827138801	JCB, Poclain
DADN	RTM-FTD	BNG-FTD	FTD	Mohan Yadav, Tankaria ,Fatehabad	-	-	9827138801	JCB, Poclain
DADN	RTM-FTD	BNG-FTD	AJN	Mohan Yadav, Tankaria ,Fatehabad	-	-	9827138801	JCB, Poclain
DADN	RTM-FTD	BNG-FTD	BLDK	Mohan Yadav, Tankaria ,Fatehabad	-	-	9827138801	JCB, Poclain
DADN	FTD-LMNR	FTD-LMNR	PLA	Shukla Brothers, POLO ground Indore	-	-	9826622222 9826020210	Crane(80Tonnes), Poclain, Hydra, JCB etc.
DADN	RTM-KNW	INDB-LMNR	LMNR	Shukla Brothers, POLO ground Indore	-	-	9826622222 9826020210	Crane(80Tonnes) , Poclain, Hydra, JCB etc.
DADN	RTM-KNW	INDB-LMNR	INDB	Shukla Brothers, POLO ground Indore	-	-	9826622222 9826020210	Crane(80Tonnes) , Poclain, Hydra, JCB etc.
DADN	RTM-KNW	INDB-LMNR	INDB	Siddhi Vinayak Crane service, Bhaiyaji Road, Mhow	-	-	8602221253	Crane(80Tonnes) , Poclain, Hydra, JCB etc.
DADN	RTM-KNW	INDB-LMNR	INDB	Mohan Yadav, Tankaria ,Fatehabad	-	-	9827138801	JCB, Poclain
DADN	RTM-KNW	INDB-DADN	SFNR	Siddhi Vinayak Crane service, Bhaiyaji Road, Mhow	-	-	8602221253	Crane(80Tonnes) , Poclain, Hydra, JCB etc.
DADN	RTM-KNW	INDB-DADN	LKMN	Siddhi Vinayak Crane service, Bhaiyaji Road, Mhow	-	-	8602221253	Crane(80Tonnes) , Poclain, Hydra, JCB etc.
DADN	RTM-KNW	INDB-DADN	RJQ	Siddhi Vinayak Crane service, Bhaiyaji Road, Mhow	-	-	8602221253	Crane(80Tonnes) , Poclain, Hydra, JCB etc.
DADN	RTM-KNW	INDB-DADN	RAU	Siddhi Vinayak Crane service, Bhaiyaji Road, Mhow	-	-	8602221253	JCB Machine, Hydra, Road Crane(40 Tonnes)
DADN	RTM-KNW	INDB-DADN	TIHI	Siddhi Vinayak Crane service, Bhaiyaji Road, Mhow	-	-	8602221253	JCB Machine, Hydra, Road Crane(40 Tonnes)
DADN	RTM-KNW	INDB-DADN	HKH	Siddhi Vinayak Crane service, Bhaiyaji Road, Mhow	-	-	8602221253	JCB Machine, Hydra, Road Crane(40 Tonnes)
DADN	RTM-KNW	DADN	DADN	Siddhi Vinayak Crane service, Bhaiyaji Road, Mhow	-	-	8602221253	JCB Machine, Hydra, Road Crane(40 Tonnes)
DADN	RTM-KNW	DADN	DADN	EKTA Construction , DADN	-	-	9977447786	Poclain
DADN	RTM-KNW	DADN	DADN	DUA Construction , DADN	-	-	7098255555	Poclain
DADN	RTM-KNW	DADN	DADN	Ramota devi & Co. Mhow	-	-	9399714641	Hydra, JCB
DADN	RTM-KNW	INDB-DADN	SFNR	Ramota devi & Co. Mhow	-	-	9399714641	Hydra, JCB
DADN	RTM-KNW	INDB-DADN	LKMN	Ramota devi & Co. Mhow	-	-	9399714641	Hydra, JCB
DADN	RTM-KNW	INDB-DADN	RJQ	Ramota devi & Co. Mhow	-	-	9399714641	Hydra, JCB
DADN	RTM-KNW	INDB-DADN	RAU	Ramota devi & Co. Mhow	-	-	9399714641	Hydra, JCB
DADN	RTM-KNW	INDB-DADN	TIHI	Ramota devi & Co. Mhow	-	-	9399714641	Hydra, JCB
DADN	RTM-KNW	INDB-DADN	HKH	Ramota devi & Co. Mhow	-	-	9399714641	Hydra, JCB
DADN	RTM-KNW	DADN	DADN	Ramota devi & Co. Mhow	-	-	9399714641	Hydra, JCB
DADN	DADN - KNW	NKR- KNW	KTKH	Golu Pal, Attar	-	-	7770858556	Hydra, JCB
DADN	DADN - KNW	NKR- KNW	ATR	Golu Pal, Attar	-	-	7770858556	Hydra, JCB
DADN	DADN - KNW	NKR- KNW	SIRN	Chawla Crane Service ,Tapalchal Gurudwara Road, Khandwa	-	-	9425928990	JCB, CRANE(17Tonne), HYDRA, POCLAIN

DISASTER MANAGEMENT PLAN

DADN	DADN - KNW	NKR- KNW	SWD	M/s Balaji ,Sanawad	-	-	9981014182	CRANE(50Tonne), HYDRA
DADN	DADN - KNW	NKR- KNW	ANI	Chawla Crane Service ,Tapalchal Gurudwara Road, Khandwa	-	-	9425928990	JCB, CRANE(17Tonne), HYDRA, POCLAIN
DADN	DADN - KNW	NKR- KNW	ANI	M/s Golu Pal, AJANTI	-	-	77708556	JCB
DADN	DADN - KNW	NKR- KNW	KBCB	Chawla Crane Service ,Tapalchal Gurudwara Road, Khandwa	-	-	9425928990	JCB, CRANE(17Tonne), HYDRA, POCLAIN
DADN	DADN - KNW	NKR- KNW	KNW	Chawla Crane Service ,Tapalchal Gurudwara Road, Khandwa	-	-	9425928990	JCB, CRANE(17Tonne), HYDRA, POCLAIN
DADN	DADN - KNW	NKR- KNW	KNW	M/s Adil Pal - KNW	-	-	8770144151	JCB
DADN	DADN - KNW	NKR- KNW	NKR	Shri Balaji Crane service, SWD	-	-	9981014182	JCB, CRANE(17Tonne), HYDRA, POCLAIN

SOUTH - DHD	GDA-RTM	GDA-MGN	GDA	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydraulic crane (10-25T), POCLAIN
SOUTH - DHD	GDA-RTM	GDA-MGN	KIZ	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydraulic crane (10-25T), POCLAIN
SOUTH - DHD	GDA-RTM	GDA-MGN	CCL	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydraulic crane (10-25T), POCLAIN
SOUTH - DHD	GDA-RTM	GDA-MGN	SAT	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydraulic crane (10-25T), POCLAIN
SOUTH - DHD	GDA-RTM	GDA-MGN	PPD	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydraulic crane (10-25T), POCLAIN
SOUTH - DHD	GDA-RTM	GDA-MGN	PPD	Shri Dilip singh			9638136075	JCB
SOUTH - DHD	GDA-RTM	GDA-MGN	PPD	shri Kamlesh			8141655527	JCB
SOUTH - DHD	GDA-RTM	GDA-MGN	LMK	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydraulic crane (10-25T), POCLAIN

DISASTER MANAGEMENT PLAN

ADENs	Major Section	Block Section	Station Name	Name of Firms with Address	STD Code	PNT No.	Mobile No.	Equipments Available
SOUTH-DHD	GDA-RTM	GDA-MGN	MAM	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydrolic crane (10-25T), POCLAIN
SOUTH-DHD	GDA-RTM	GDA-MGN	USRA	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydrolic crane (10-25T), POCLAIN
SOUTH-DHD	GDA-RTM	GDA-MGN	JKT	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydrolic crane (10-25T), POCLAIN
SOUTH-DHD	GDA-RTM	GDA-MGN	RET	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydrolic crane (10-25T), POCLAIN
SOUTH-DHD	GDA-RTM	GDA-MGN	DHD	Dharmesh Maali Ram Rahim Earth movel Dahod Gujrat	-	-	9979517049	JCB, Hitachi, Hydra, Hywa, Dumper
SOUTH-DHD	GDA-RTM	GDA-MGN	DHD	Raju Bhai Bhuriya, Dahod Gujrat	-	-	9978175752	JCB
SOUTH-DHD	GDA-RTM	GDA-MGN	DHD	Raj Crane service, Dahod Gujrat	-	-	9426598172 9825798172 9998873377	Hydrolic crane (10-50T),
(Wks)-DHD	GDA-RTM	DHD	DHD	Ramesh H. Berawat Santosh Nagar Mandav Road, Dahod Gujrat	-	-	9427056667	JCB Machine, Hydrolic crane (10-25T), POCLAIN
East- RTM	GDA-RTM	MGN	MGN	DILIP PRAJAPAT VICKY CONSTRUCTION	-	-	9425935046	01 JCB, POCLAIN
East- RTM	GDA-RTM	MGN	MGN	M/s-Mangilal, Meghnagar	-	-	9575220174	Hydra
East- RTM	GDA-RTM	RTM Yard	RTM	ARIHANT ENGINEERING, RATLAM	-	-	6265417165	02 JCB
East- RTM	GDA-RTM	RTM Yard	RTM	MUKESH DHAKAD	-	-	9752530097	02 JCB

DISASTER MANAGEMENT PLAN

ADENs	Major Section	Block Section	Station Name	Name of Firms with Address	STD Code	PNT No.	Mobile No.	Equipments Available
East-RTM	GDA-RTM	RTM Yard	RTM	Parvati Construction	-	-	7879136315	JCB, POCLAIN
East-RTM	RTM-NAD	BOD - RTM	BOD	MUKESH DHAKAD	-	-	9752530097	02 JCB
East-RTM	RTM-NAD	BOD - RTM	RNH	MUKESH DHAKAD	-	-	9752530097	02 JCB
East-RTM	RTM-NAD	BOD - RTM	KUH	MUKESH DHAKAD	-	-	9752530097	02 JCB
East-RTM	RTM-NAD	NAD - KUH	NAD	DHARMENDRA RATHORE	-	-	9131063173	02 JCB
East-RTM	RTM-FTD	RTM Yard	RTM	Mohanlal Patidar Shivpura, Ratlam	-	-	9981416734	JCB
East-RTM	RTM-FTD	RTM Yard	RTM	Sunil Yadav Runija ,Ujjain	-	-	8085801444	JCB, Hydraulic
East-RTM	GDA-RTM	BMI-RTM	RTI	-	-	-	-	-
East-RTM	GDA-RTM	BMI-RTM	BILD	-	-	-	-	-
East-RTM	GDA-RTM	BMI-RTM	MRN	-	-	-	-	-
East-RTM	GDA-RTM	BMI-RTM	BMI	-	-	-	-	-
East-RTM	GDA-RTM	BMI-RTM	BOG	-	-	-	-	-
East-RTM	GDA-RTM	BMI-RTM	RTI	-	-	-	-	-
East-RTM	GDA-RTM	BMI-RTM	BILD	-	-	-	-	-
East-RTM	GDA-RTM	BMI-RTM	MRN	-	-	-	-	-
East-RTM	GDA-RTM	BMI-RTM	RTMA	-	-	-	-	-
East-RTM	RTM-NAD	RNH-NAD	BRNA	-	-	-	-	-
(W-I)-RTM	Ratlam	Ratlam	RTM	Parvati Construction	-	-	7879136315	JCB
(W-I)-RTM	Ratlam	Ratlam	RTM	Arihant Construction	-	-	6265417165	JCB
NMH	RTM-CNA	JAO-DHWS	DHWS	Manish Meena, JAOARA	-	-	7000223622	JCB, HYDRA,
NMH	RTM-CNA	JAO-DHWS	NLI	Manish Meena, JAOARA	-	-	7000223622	JCB, HYDRA,
NMH	RTM-CNA	JAO-DHWS	BRLA	Manish Meena, JAOARA	-	-	7000223622	JCB, HYDRA,
NMH	RTM-CNA	JAO-DHWS	JAO	Manish meena, JAOARA	-	-	7000223622	JCB, HYDRA,
NMH	RTM-CNA	JAO-DHWS	DHWS	Dilip kumar, RTM	-	-	9617484731	JCB, Hydra
NMH	RTM-CNA	JAO-DHWS	NLI	Dilip kumar, RTM	-	-	9617484731	JCB, Hydra
NMH	RTM-CNA	JAO-DHWS	BRLA	Dilip kumar, RTM	-	-	9617484731	JCB, Hydra
NMH	RTM-CNA	JAO-DHWS	JAO	Dilip kumar, RTM	-	-	9617484731	JCB, Hydra
NMH	RTM-CNA	JAO-DHWS	MDLM	Dilip kumar, RTM	-	-	9617484731	JCB, Hydra
NMH	RTM-CNA	DOD-KCNR	DOD	Dev shri contractor Aastha	-	-	8265369023	JCB

DISASTER MANAGEMENT PLAN

NMH	RTM-CNA	DOD-KCNR	KHNR	Dev shri contractor Aastha	-	-	8265369023	JCB
NMH	RTM-CNA	DOD-KCNR	KCNR	Dev shri contractor Aastha	-	-	8265369023	JCB
NMH	RTM-CNA	KCNR-DLD	DLD	Ratod Enterprise Daloda	-	-	9584407040	JCB
NMH	RTM-CNA	KCNR-DLD	DLD	Egmore organic Daluda	-	-	9926075854	JCB
NMH	RTM-CNA	DOD-DLD	DLD	Jai Mata Di Construction company Daloda	-	-	9575939153	JCB, Hydra, crane (14, 15Tonne)
NMH	RTM-CNA	DLD-MDS	MDS	Ramdrahn kisan kendra	-	-	9426105102	JCB
NMH	RTM-CNA	DLD-MDS	MDS	Ratod Enterprise Daloda	-	-	9584407040	JCB
NMH	RTM-CNA	DLD-MDS	MDS	Egmore organic Daluda	-	-	9926075854	JCB
NMH	RTM-CNA	DLD-MDS	MDS	Jai Mata Di Construction company Daloda	-	-	9575939153	JCB, Hydra, crane (14, 15 Tonne)
NMH	RTM-CNA	MDS-PIP	MDS	Sh. Ashish Gupta, Mandisor	-	-	9425105431	JCB, HYDRA,
NMH	RTM-CNA	MDS-PIP	SDPN	Sh. Ashish Gupta, Mandisor	-	-	9425105431	JCB, HYDRA,
NMH	RTM-CNA	MDS-PIP	PIP	Sh. Ashish Gupta, Mandisor	-	-	9425105431	JCB, HYDRA,
NMH	RTM-CNA	MLG-HKL	MLG	Sh. Ashish Gupta, Mandisor	-	-	9425105431	JCB, HYDRA,
NMH	RTM-CNA	MLG-HKL	MYKR	Sh. Ashish Gupta, Mandisor	-	-	9425105431	JCB, HYDRA,
NMH	RTM-CNA	MLG-HKL	HKL	Sh. Ashish Gupta, Mandisor	-	-	9425105431	JCB, HYDRA,
NMH	RTM-CNA	JMKL-NMH	JMKL	Laxminarayan Patidar, near railway	-	-	9669787776	JCB, Hydra
NMH	RTM-CNA	JMKL-NMH	JMKL	Mh Khalid Nimuch	-	-	9826416241	JCB, Hydra
NMH	RTM-CNA	NMH-JWO	NMH	Laxminarayan Patidar, near railway	-	-	9669787776	JCB, Hydra
NMH	RTM-CNA	NMH-JWO	NMH	Mh Khalid Nimuch	-	-	9826416241	JCB, Hydra
NMH	RTM-CNA	NMH-JWO	NMH	O.P.GoyalNimuch	-	-	9826037170	JCB, Hydra, CRANE(14, 15 Tonne)
NMH	RTM-CNA	NMH-JWO	BIWK	O.P.GoyalNimuch	-	-	9826037170	JCB, Hydra, CRANE(14, 15 Tonne)
NMH	RTM-CNA	NMH-JWO	BIWK	Mh Khalid Nimuch	-	-	9826416241	JCB, Hydra
NMH	RTM-CNA	NMH-JWO	JWO	O.P.GoyalNimuch	-	-	9826037170	JCB, Hydra, CRANE(14, 15 Tonne)
NMH	RTM-CNA	NMH-JWO	JWO	Mh Khalid Nimuch	-	-	9826416241	JCB, Hydra
NMH	RTM-CNA	NBH-ORDI	NBH	Annand traders shambhupura	-	-	9425107189	JCB, Hydra, Crane(14 Tonne)
NMH	RTM-CNA	NBH-ORDI	NBH	Babloo ,Nimbhara road Shambhupura	-	-	9950478772	JCB, Hydra
NMH	RTM-CNA	NBH-ORDI	NBH	Monti crane service shambhupura	-	-	9799516933	JCB, Hydra, Crane(12 Tonne)
NMH	RTM-CNA	NBH-ORDI	GRF	Sh Vijay Chundawat	-	-	9001810793/93 52832488	JCB, Hydra, CRANE(14 Tonne)
ADENs	Major Section	Block Section	Station Name	Name of Firms with Address	STD Code	PNT No.	Mobile No.	Equipments Available
NMH	RTM-CNA	NBH-ORDI	GRF	Annand traders shambhupura	-	-	9425107189	JCB, Hydra, Crane(14 Tonne)
NMH	RTM-CNA	NBH-ORDI	GRF	Babloo ,Nimbhara road Shambhupura	-	-	9950478772	JCB, Hydra
NMH	RTM-CNA	NBH-ORDI	GRF	Monti crane service shambhupura	-	-	9799516933	JCB, Hydra, Crane(12 Tonne)

DISASTER MANAGEMENT PLAN

NMH	RTM-CNA	NBH-ORDI	SMP	Sh Vijay Chundawat	-	-	9001810793/9352832488	JCB, Hydra, CRANE(14 Tonne)
NMH	RTM-CNA	NBH-ORDI	SMP	Annand traders shambhupura	-	-	9425107189	JCB, Hydra, Crane(14 Tonne)
NMH	RTM-CNA	NBH-ORDI	SMP	Monti crane service shambhupura	-	-	9799516933	JCB, Hydra, Crane(12 Tonne)
NMH	RTM-CNA	NBH-ORDI	ORDI	Sh Vijay Chundawat	-	-	9001810793/9352832488	JCB, Hydra, CRANE(14 Tonne)
NMH	RTM-CNA	NBH-ORDI	ORDI	Annand traders shambhupura	-	-	9425107189	JCB, Hydra, Crane(14 Tonne)
NMH	RTM-CNA	NBH-ORDI	ORDI	Monti crane service shambhupura	-	-	9799516933	JCB, Hydra, Crane(12 Tonne)
NMH	RTM-CNA	COR-CNA	COR	Data crane services Chanderiya	-	-	9001509211	JCB, Hydra, CRANE(14, 15 Tonne)
NMH	RTM-CNA	COR-CNA	COR	Sisodiya crane services chanderiya	-	-	9829245270	JCB, Hydra, Crane(12 Tonne)
NMH	RTM-CNA	COR-CNA	COR	Chaudhary crane services Chanderiya	-	-	9950403749	Hydra, jcb,CRANE (15 Tonne)
NMH	RTM-CNA	COR-CNA	COR	Shsushil Agarwal Chittorgarh	-	-	9414110939	JCB, Hydra, CRANE(14, 15 Tonne)
NMH	RTM-CNA	COR-CNA	BEC	Data crane services Chanderiya	-	-	9001509211	JCB, Hydra, CRANE(14, 15 Tonne)
NMH	RTM-CNA	COR-CNA	BEC	Sisodiya crane services chanderiya	-	-	9829245270	JCB, Hydra, Crane(12 Tonne)
NMH	RTM-CNA	COR-CNA	CNA	Data crane services Chanderiya	-	-	9001509211	JCB, Hydra, CRANE(14, 15 Tonne)
NMH	RTM-CNA	COR-CNA	CNA	Sisodiya crane services chanderiya	-	-	9829245270	JCB, Hydra, Crane(12 Tonne)
NMH	RTM-CNA	COR-CNA	CNA	Chaudhary crane services Chanderiya	-	-	9950403749	Hydra, jcb,CRANE (15 Tonne)
WEST-UJN	NAD-MKC	NAD-UJN	NAD	M/S- Manish Meena, Nagda MP	-	-	7000223622	JCB,Hydra Cap. (12-14 Ton)
Wks-UJN	NAD-MKC	NAD-UJN	UJN	Shri Prakash Agrawal Zone No.07 UJN	734	41310	799979319	JCB
WEST-UJN	NAD-MKC	UJN-MKC	PLW	M/S- ArjunGarsiya, Tajpur Dist. Ujjain MP	-	-	9893524833	Poclain, JCB
WEST-UJN	NAD-MKC	UJN-MKC	PLW	Prashant Pisal, Maksi Railway station, Maksi, Dist. Shajapur.	-	-	9981282377	Crane Cap. 14 Tonne
WEST-UJN	NAD-MKC	UJN-MKC	TJP	M/S- Manish Meena, Nagda MP	-	-	7000223622	JCB,Hydra Cap. 14 Ton
WEST-UJN	NAD-MKC	UJN-MKC	TJP	M/S- ArjunGarsiya, Tajpur Dist. Ujjain MP	-	-	9893524833	Poclain, JCB
WEST-UJN	NAD-MKC	UJN-MKC	TJP	Prashant Pisal, Maksi Railway station, Maksi, Dist. Shajapur.	-	-	9981282377	Crane Cap. 14 Ton
WEST-UJN	NAD-MKC	UJN-MKC	TAN	M/S- Manish Meena, Nagda MP	-	-	7000223622	JCB,Hydra Cap. 14 Ton
WEST-UJN	NAD-MKC	UJN-MKC	TAN	M/S- ArjunGarsiya, Tajpur Dist. Ujjain MP	-	-	9893524833	Poclain, JCB
WEST-UJN	NAD-MKC	UJN-MKC	TAN	Prashant Pisal, Maksi Railway station, Maksi, Dist. Shajapur.	-	-	9981282377	Crane Cap. 14 Ton
WEST-UJN	NAD-MKC	MKC YARD	MKC	M/S- Manish Meena, Nagda MP	-	-	7000223622	JCB, Hydra Cap. 14 Ton
WEST-UJN	NAD-MKC	MKC YARD	MKC	M/S- ArjunGarsiya, Tajpur Dist. Ujjain MP	-	-	9893524833	Poclain, JCB
WEST-UJN	NAD-MKC	MKC YARD	MKC	M/s Gangadhar Sharma & Sons, Bhopal	-	-	9425019959 9425964381	JCB
WEST-UJN	NAD-MKC	MKC YARD	MKC	Prashant Pisal, Maksi Railway station, Maksi, Dist. Shajapur.	-	-	9981282377	Crane Cap. 14 Ton
WEST-UJN	UJN-DWX	UJN YARD	UJN	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 14 Ton

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WEST-UJN	UJN-DWX	UJN YARD	UJN	M/S-Laxo Energy, Ratlam MP	-	-	9826020219	Poclain, JCB, Truck
WEST-UJN	UJN-DWX	UJN-MGG	VRG	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
WEST-UJN	UJN-DWX	UJN-MGG	MABG	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
WEST-UJN	UJN-DWX	UJN-MGG	KDHA	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
WEST-UJN	UJN-DWX	UJN-MGG	UDM	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
WEST-UJN	UJN-DWX	UJN-MGG	NRGR	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
WEST-UJN	UJN-DWX	UJN-MGG	DWX	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
WEST-UJN	UJN-DWX	UJN-MGG	DWX	M/s Patel, Dewas MP			9907223991	JCB, Poclain
WEST-UJN	DWX-INDB	UJN-MGG	BNJN	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
WEST-UJN	DWX-INDB	UJN-MGG	BLAX	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
WEST-UJN	DWX-INDB	UJN-MGG	MGG	M/S- Manish Meena, Nagda MP	-	-	7000223622	Hydra Cap. 12 Ton
SEH	MKC-BPL	MKC-SJP	MKC	Kailash bais, Near LC no 66 Kalisindh	-	-	9893412529	JCB
SEH	MKC-BPL	MKC-SJP	PUO	Kailash bais, Near LC no 66 Kalisindh railway station	-	-	9893412529	JCB
SEH	MKC-BPL	MKC-SJP	BCH	Kailash bais, Near LC no 66 Kalisindh railway station	-	-	9893412529	JCB
SEH	MKC - BPL	MKC - SJP	KSH	Kailash bais, Near LC no 66 Kalisindh railway station	-	-	9893412529	JCB
SEH	MKC-BPL	MKC-SJP	BLX	Arjun Kheechi 195 kheechi Niwas Palika Bazar, Pachor Road Shujalpur Pin -	-	-	9977751082	JCB, Hydra
SEH	MKC-BPL	MKC-SJP	AKD	Arjun Kheechi 195 kheechi Niwas Palika Bazar, Pachor Road Shujalpur Pin - 465333	-	-	9977751082	JCB, Hydra
SEH	MKC-BPL	MKC-SJP	MQE	Arjun Kheechi 195 kheechi Niwas Palika Bazar, Pachor Road Shujalpur Pin -	-	-	9977751082	JCB, Hydra
SEH	MKC-BPL	MKC-SJP	SJP	Arjun Kheechi 195 kheechi Niwas Palika Bazar, Pachor Road Shujalpur Pin - 465333	-	-	9977751082	JCB, Hydra
SEH	MKC-BPL	SJP-SEH	CKOD	1.Satish Mewada ,2.Pradeep Mewada- Saraswati colony near Railway Fatak Kalapipal.	-	-	Satish Mewada-942565087, Pradeep Mewada-7987603051	JCB, Poclain
SEH	MKC-BPL	SJP-SEH	KPP	1.Satish Mewada ,2.Pradeep Mewada- Saraswati colony near Railway Fatak Kalapipal.	-	-	Satish Mewada-942565087, Pradeep Mewada-7987603051	JCB, Poclain
SEH	MKC-BPL	SJP-SEH	JBX	Jitendra Parmar Near Railway station Jabri	-	-	7828805521	Poclain, JCB

DISASTER MANAGEMENT PLAN

SEH	MKC-BPL	SJP-SEH	PRB	1. Kamlesh Rai, Add – 15 Janta Colony, Gallamandi Sehere Pin - 466001 , 2. Narendra Kumar, Add - Maya niwas MIG 110 Sajeev Nagar Karond Bhopal PIN-462038	-	-	Kamlesh Rai - 9770002625, Narendra Kumar - 9039792275	JCB
SEH	MKC-BPL	SJP-SEH	BKTL	1. Kamlesh Rai, Add – 15 Janta Colony, Gallamandi Sehere Pin - 466001 , 2. Narendra Kumar, Add - Maya niwas MIG 110 Sajeev Nagar Karond Bhopal PIN-462038	-	-	Kamlesh Rai - 9770002625, Narendra Kumar - 9039792275	JCB
SEH	MKC-BPL	SJP-SEH	SEH	1. Kamlesh Rai, Add – 15 Janta Colony, Gallamandi Sehere Pin - 466001 , 2. Narendra Kumar, Add - Maya niwas MIG 110 Sajeev Nagar Karond Bhopal PIN-462038	-	-	Kamlesh Rai - 9770002625, Narendra Kumar - 9039792275	JCB
SEH	MKC-BPL	SJP-SEH	SEH	Anuj Sharma House No 15 Rajvansh colony Neare shri sai hospital Karond, Bhopal	-	-	8770157312, 8602616233	JCB
SEH	MKC-BPL	SJP-SEH	SEH	Devi Shri Contractor Aastha, MP	-	-	8265369023	JCB, Hydra,Poclain
SEH	MKC-BPL	SEH-SHRN	PNWN	1. Kamlesh Rai, Add – 15 Janta Colony, Gallamandi Sehere Pin - 466001 , 2. Narendra Kumar, Add - Maya niwas MIG 110 Sajeev Nagar Karond Bhopal PIN-462038	-	-	Kamlesh Rai - 9770002625, Narendra Kumar - 9039792275	JCB
SEH	MKC-BPL	SEH-SHRN	PUD	Anuj Sharma House No 15 Rajvansh colony Neare shri sai hospital Karond, Bhopal	-	-	8770157312, 8602616233	JCB, Hydra,Poclain
SEH	MKC-BPL	SEH-SHRN	BQE	Anuj Sharma House No 15 Rajvansh colony Neare shri sai hospital Karond, Bhopal	-	-	8770157312, 8602616233	JCB, Hydra,Poclain
SEH	MKC-BPL	SEH-SHRN	BQE	1. Kamlesh Rai, Add – 15 Janta Colony, Gallamandi Sehere Pin - 466001 , 2. Narendra Kumar, Add - Maya niwas MIG 110 Sajeev Nagar Karond Bhopal PIN-462038	-	-	Kamlesh Rai - 9770002625, Narendra Kumar - 9039792275	JCB
SEH	MKC-BPL	SEH-SHRN	SHRN	Anuj Sharma House No 15 Rajvansh colony Neare shri sai hospital Karond, Bhopal	-	-	8770157312, 8602616233	JCB, Hydra,Poclain

7.13 PRESS MEDIA

SN	Name of Paper/Publication	Station/HQ	STD Code	PNT NO	MOBILE NO
1	DAINIK BHASKAR	INDORE	0731	3072524	-
2	PATRIKA	INDORE	-	-	8223836777
3	FREE PRESS	INDORE	-	-	9993572758
4	TIMES OF INDIA	INDORE	0731	4002940	-
5	DABANG DUNIYA	INDORE	-	-	9425077445

7.14 ELECTRONIC MEDIA

SN	Name	Station/HQ	STD Code	PNT NO	MOBILE NO
1	DOORDARSHAN	INDORE	0731	2402128	
2	ETV	INDORE	0731	4041383	
3	AIR	INDORE	0731	2702252	
4	PRO(RLY 49200)	INDORE	0731	2529121 2494464	9752492006

LOCAL TV AND RADIO STATIONS

Sr.N.	Name	Station /HQ	STD Code	PNT NO.	Mobile no.
1	News 18/Akashvaani/Doordarshan Pradeep Chauhan	SEH	-	-	9425028790 7000695505
2	AIR:-Indore , Manindra Dubey	IND	-	-	9893550489
3	PRO (RLY. 49200)	IND	0731	2529121, 2529014	9752492006
4	K.TV(LOCAL) deepak	NMH	07423	231570	9713601366
5	Digeana, Rajendra Kelba	RTM	-	-	9827228016, 6265071859
6	AMBAR TIMES	RTM	-	-	9826090381
7	Correspondent (SAHARA SAMAI, AAJ TAK, DOORDARSHAN)	RTM	-	-	9425103828
8	BALAJI CABLE	NAD	-	-	7354922771
9	SNV CHANNEL	COR	01472	241283	-
10	ETV, TV 9	DHD	-	-	9909213444, 9737772407
11	IBN 7	DHD	-	-	9427035535

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12	NEWS 24, ABP NEWS	RTM	-	-	9981484054
13	ETV	UJN	-	-	9425030989
14	DD NEWS		-	-	9826017521
15	SADHNA NEWS	RTM	-	-	9827065651
16	DOORDARSHAN	RTM	-	-	9424947054
17	ZEE NEWS	RTM	-	-	9039441511
18	BANSAL NEWS	RTM	-	-	9424071898
19	INDIA NEWS	RTM	-	-	7000640249, 9826590077
20	AIR	RTM	-	-	8889978607
21	ETV BHARAT	COR	-	-	9829300218
22	NEWS 18	COR	-	-	8619115585
23	NEWS 18	RTM	-	-	9425635144
24	SR NEWS	NAD	-	-	9827594869
25	NEWS 18	IND	-	-	9302192396
26	IBC 24	IND	-	-	9630089909
27	IBC 24	NAD	-	-	9893043428
28	JK NEWS	UJN	-	-	9893945499
29	DD NEWS	UJN	-	-	9424543302
30	NEWS 24	UJN	-	-	9713166732

7.15 LIST OF FIRE BRIGADES

S N	Station	Firm/Agency /Unit	STD Code	Telephone No	
				Land Line.	Mobile Nos.
1	KUH	Nagar Palika,	07366	231043, 101	9826843445
2	NAD	Nagar Palika(City)	07366	246501, 100	99774155133
3	NAD	Birla Gram	07366	247054, 101	9977407408
4	RTM	Fire Station	07412	270463	-
5	Jawad	Nagar Palika Jawad	07420	232254	-
6	Mandsour	Fire Station	07422	220500	-
7	Neemuch	Fire Bridged Afeem Factory	07423	220492	-
8	Jhabua	Municiple Corp. Jhabua	07392	243347	-
9	DHD	Fire Brigade/DHD	02673	245333	-
10	COR	Fire Station	01472	245853	-
11	CNA	HZL Factory	01472	229342	-
12	CNA	Birla Cement	01472	257498	-
13	CNA	Rly. siding	01472	257498	-
14	CNA	Fire Station	01472	254444	-
15	Shambhupura	Aditya cement	01472	229342	-
16	NBH	Nagar Palika	01477	220092	-

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17	NBH	JK Cement Factory	01477	220087	-
18	Jawad Road	Vikram Cement	07420	235526	-
19	Mhow	Fire Station	0731	2431226	-
20	Ujjain	Nagar Palika	0734	2535243	8090802079
21	Dewas	Fire Station	07272	101	9589110101
22	Sujalpur	Fire Station	07360	244550	998183847
23	Sajapur	Fire Station	07364	229377	9981268027
24	Maksi	Fire Station	07369	236575	-
25	Sehore	Fire Station	07362	227004	-
26	MGN	Fire Station	07390	276364	-
27	BPL	Fire Station	0755	254222	-
28	BPL BIH)	Fire Station	0755	2701282	-
29	PPD	devagadhbaria	02678	220255	9979055856
30	KIZ	godhra fire station	02672	240043	-
31	MGN	Fire Station Jhabua	07392	243347	9425485723
32	THDR	Fire Station	07390	276364	9424871636
33	BMI	Fire Station Petlawad	-	-	8770784288
34	RTM	Fire Station	07412	270563/101	-
35	RJQ	Fire station Indore	0731	2431226	-
36	INDB	Fire station	0731	2431226	-
37	LMNR	Fire station Indore	0731	2431226	-
38	PLA	Fire station Indore	0731	2431226	-
39	AJN	Fire station Indore	0731	2431226	-
40	FTD	Nagar Palika Ujjain	0734	2535243	8090802079
41	MGG	Fire station Indore	0731	2431226	-
42	BLAX	Fire station Dewas	0731	2431226	9589110101
43	BNJN	Fire station Dewas	-	-	9589110101
44	DLD	FIRE STATION	-	101	9407146186
45	KCNR	FIRE STATION	07422	266,033,101	9425820543
46	DOD	FIRE STATION	-	-	9993983478
47	JAO	FIRE STATION	-	-	9993983478
48	BRLA	FIRE STATION	07412	220101	9993983478
49	NLI	FIRE STATION	07412	270563	-
50	DHWS	FIRE STATION	07412	270563	-
51	NGW	FIRE STATION	07412	270,563,101	-
52	RNJ	FIRE STATION	07367	225400	9827551656
53	BNG	FIRE STATION	07367	225,400,101	9827551656
54	GPX	FIRE STATION	-	-	9770801477

IOCL/BPCL/HPCL PHONE NOS. IN CASE OF LPG TANK LEAKAGE

SR.	Station Name	Name of STN	STD code	Contact No.		
				OFF	RES	Mobile No.
1.	MGN	GAIL, Jhabua	07392	243358		6262040001
2.	BQE	IOCL/CTO	-	-	-	7241115606
						8889995221
3.	BQE	Plant Manager/IOCL	-	-	-	7241115677
						8989584503
4.	BQE	Plant Safety Officer/IOCL	-	-	-	9977700801
5.	BQE	Emergency general	-	-	-	9425132896
6.	MGG	BPCL	0731	-	-	9569076731
7.	MGG	HPCL	0731	-	-	9553654000
8.	MGG	IOC	0731	-	-	9425013736,
						9425301282
9.	RTM	IOC - SDG	-	Computerized	-	9425303651
				966 -9023456		
13.	DLD	SUDARSHAN AUTOMOBILES - IOC	07422	261453	261876	9425327453
16.	COR	SHANTILAL KANTILAL	01472	255691	241383	9829246215
17.	COR	DEPOT INCHARGE, IOC	01472	9414040259	-	-

7.16 TELEPHONE NO. & LOCATION OF ART/ARMVT CRANE OVER RATLAM

Sr.	Station	ART/ARMV	Class	Crane	In- Charge	Designation	Mobile No.	Railway Phone No.	Exit Single/ Double
1	RTM	ART ARME	A Scale-I	140T	Meetha Lal Meena	SSE(C&W)	9752492408	44516	Single Double
2	UJN	ART ARME	B Scale I	-	Suresh Kumar Shrma	SSE(C&W)	7225021519	41344	Single Double
3	COR	ART ARME	B Scale I	-	K.R.Bhati	SSE(C&W)	9001192090	48344	Single Double
4	DADN	Tool van	Tool Van	-	Sarfaraz Nawaz	SSE(C&W)	9752492062	83342	Single
5	DHD	ART	C	-	Bharat Pushkar	SSE(C&W)	9724092099	47344	Single

ARME & ART - CONTROLLING OFFICER/SUPERVISOR

(A) ARME-I								
S.N	Location	Name of In Charge	STD Code	Phone (Rly.)		DOT		
				OFF.	RES.	OFF.	RES.	MOBILE
1	UJN	Dr Rajesh G	0734	41-236,232	41231	-		9752492504
2	RTM	Dr. P Naresh	07412	43304		-	-	9752492514

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3	DADN	Dr. Parth Gupta	07324	83230	-	220369	271103	9669862991
4	COR	Dr. Lokesh Jain	01472	48230,32	48231	-	-	90011 92516
(B) ARME-II								
1	SJP	Dr Rajesh G	0734	092- 41230	-	-	2513584	9752492504
2	NMH	Dr. Ranjana Bansal	07423	092-82230	-	-	-	9752492515
3	MDS	Dr. Ranjana Bansal	07422	092-82230	-	-	-	9752492515
4	FTD	Dr. Soumya	0731	092-49340	-	-	-	9752492512
5	NAD	Dr. Ankita Mehta	07366	84231	-	-	-	9752492508
6	DHD	Dr CP Kashtarya	02678	092-47410	-	-	-	9624950986
7	AGR	Dr CP Kashtarya	07390	092-44760	-	-	-	9624950986

(C) ART								
S.N.	Location	Name of In Charge	STD Code	Phone (Rly.)		DOT		
				OFF.	RES.	OFF.	RES.	MOBILE
1	UJN	Suresh Shrama	0734	41344	-	-	-	7225021519
2	PTP	Sarfaraz Nawaz	07324	83344	-	-	-	9752492062
3	COR	K.R. Bhati	01472	48344	-	-	-	9001192090
4	RTM	M.L.Meena	07412	44516	-	-	-	9752492408
5	DHD	Bharat Pushkar	02673	47344				9724092099

7.17 SATELLITE TELEPHONE NUMBERS - DISASTER MANAGEMENT RATLAM

Sr.No.	Division / Location	Satellite Phone			Control Office Telephone	
		Voice	Fax	Data	MTNL/BSNL	Rly.
1	RATLAM/ ART-RTM	8991112781	-	-	07412-232865 07412-230078 07412-235126 9752496554 9752496648	092-44610 092-44620 092-44679
2	SPARMV-RTM	8991120869	-	-		
3	ART-UJN	8991112780	-	-		
4	ARME-UJN	8991120870	-	-		
5	ART-COR	8991120866	-	-		
6	ARME-COR	8991120865	-	-		
7	ART-PTP	8991120867	-	-		
8	ARME- PTP	8991120868	-	-		

CHAPTER – 8**DATA BANK OF AHMEDABAD DIVISION****8.1 TELEPHONE NUMBERS OF DIVISIONAL OFFICERS**

Sr. No.	Designation	Railway		BSNL(079)		MOBILE
		OFFICE	RESI	OFFICE	RESI	
1.	DRM	44000	44001	22204588	22865624	9724093000
2.	ADRM	44002	44003	22204590	26561915	9724093001
3.	Sr. DSO	44604	44605	<u>22205005</u>	<u>27504545</u>	9724093730
4.	CMS-ADI	43900 / 54900	43905	27506187	29700755	9724093500
5.	Sr DMO(Add)	43902, 54902, 54904	54905 54903	27506115	27500832	9724093501
6.	Sr DMO/ADI	41900		22167174		9724093514
7.	Sr DMO/SBI	54910	44503	27506785	27508213	9724093502
8.	Sr DMO/KKF	41908		22160377		9724093516
9.	Sr DOM	44600	44601, 44758	22204008	26443437	9724090900
10.	Sr DOM(G)	44602	41603	22203330	27435937	9724093902
11.	ARM/GIM	48200	48201	02836- 231113		9724093901
12.	Sr DME(Co)	44500	44501	22205111	24643336	9724093400
13.	SrDnHM	44504		22205060		9724044050
14.	Sr DME-VTA	42325		22205056	22930360	9724093401
15.	Sr DME-SBI	43500	43501	27506785	26441533	9724093402
16.	Sr DCM	44200	44201	22201990	26443437	9724093950
17.	Sr DSTE(Co)	44800	44801	22205033	26560173	9724093800
18.	Sr.DSTE(Sig)	44802				9724093801
19.	Sr DEN(Co)	44400	44401	22205665	26448555	9724093200
20.	Sr DEN(NW)	44406	44411	22205775	22205885	9724093202
21.	Sr DEN(S)	44402	44403		26422644	9724093201
22.	Sr DEN(W)	44410				9724093207
23.	Sr DEE (Power)	44300	44301	22201922		9724093300
24.	Sr DPO	44700	44701	22202133		9724093600
25.	Sr DMM	44990	44991	22205888		9724093750
26.	Sr DFM	44100	44101	22201771		9724093100
27.	Sr DSC	44950		22202788		9724093700
28.	Sr CDO	41508				9724093406
29.	DOM/M	44610				9724093903
30.	DOM/Coach	44618				9724093
31.	DME(F&O)	44502	41511			9724093403

32.	CDO(BG)	41504		29292961		9724093405
33.	DME(DEMU)	41510				9724093408
34.	DME(C&W)GIM	48320	48321			9724093411
35.	DME(D)GIM	48374				9724093410
36.	DCM	44202	44511	22201991	22850077	9724093951
37.	DSTE	44804		22205400		9724093803
38.	DSTE II	44806				9724093806
39.	DSTE W					9724093802
40.	DEN(N)	44404		22202381	26441611	9724093203
41.	DEE(CHG)	44307				9724093304
42.	PRO	44004	44005	22204591	22865008	9724093004
43.	ADME(D)GIM	48350	48351			9724093410
44.	ADME(C&W)	44506				9724093404
45.	ADME(Loco)	44508				9724093421
46.	ADME(CHG) KKF	41508				9724093409
47.	ADSTE/DHG					9724093810
48.	ADSTE(W-II)	44807				9724093807
49.	ADSTE-GIM	48264				9724093804
50.	ADSTE-RDHP	52280				9724045020
51.	ADSTE-MSH	47150				9724093823
52.	ADEN(NW)	41412		27500531		9724093205
53.	ADEN-GIM	48305				9724093215
54.	ASC(I)	44954				9724093701
55.	ADSO	44682				9724093731
56.	AOM	44606				9724093904
57.	AOM(M)	44607				9724093909
58.	ADEE(TRO)	44302	41114			9724093303
59.	ADEE(Power)	44306				9724093301
60.	ACM(R)	44208				9724093952

8.2 RAILWAY STATIONS WITH P&T & AUTO PHONE NUMBERS

S.N.	Name of Station	Station code	STD code	Telephone no.	Rly STD code	Rly phone	Mobile no.	
							Station Master	Traffic Inspector
1	Vatva	VTA	079	25831199	093	42375	9724045129, 9724045126	
2	Maninagar	MAN	079	25465868	093	41225	9724045130	
3	Ahmedabad	ADI	079	22167189	093	41610, 41641	9724045291, 9724045252, 9724045113, 9724045114, 9724045115, 9724045116	9724045100, 9724045101

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4	Sabarmati/ BG	SBT	079	27520918	093	43636, 43610	9724045135, 9724045271	9724045101
5	Sabarmati/ MG	SBI	079	27508282	093	43612, 43866 43608	9724045142, 9724045137, 9724045140	9724045102
6	Chadlodiya	CLDY	079	27601697	093	44560	9724045146, 9724045145	
7	Adrej Moti	AJM	091	9409109338	093	41663	9724045297	
8	Khodiyar	KHD	091	9409109326	093	43685	9724045248, 9724045247	
9	Gandhinagar	GNC	079	9409109363	093	43780	9724045250	
10	Asarva	ASV	079	22205151	093	44930	9510493911	
11	Naroda	NRD	079	22814324	093	44931	9510493912	
12	Dabhoda	DBO	079	9409109361	093	44932	9510493913	
13	Nandol-Dehgam	NHM	02716	9409109362	093	44933	9510493914	
14	Rakhiyal	RKH	02716	9409109364	093	44934	9510493917	
15	Talod	TOD	02770	220661	093	44937	9510493918	
6	Prantij	PRJ	02770	9428266439	093	44938	9510493919	
17	Sonasan	SNSN	02770	9409109365	093	44936	9510493920	
18	Himmatnagar	HMT	02772	242533	093	44939	9510493921	9724045111
19	Idar	IDAR	02778	255121	093			
20	Khed-Brahma	KDBM	02775	220040	093		9724045279	
21	Kalol	KLL	02764	223300	093	47360 51202	9724045254, 9724045253	9724045110
22	Jhulasan	JUL	02764	283226	093	47361	9724045255	
23	Dhagarva	DNW	02764	282638	093	47362	9724045256	
24	Ambliyan	UMN	02762	283318	093	47363	9724045257	
25	Jagudan	JDN	02762	285348	093	47394	9724045258	
26	Maheshana	MSH	02762	221710	093	47225, 47226, 47228 47227	9724045261 9724045259 9724045262	9724045109
		MSH/T		9724045260				
27	Bhandu	BHU	02765	9499668627	093	47365	9724045263	
28	Unjha	UJA	02767	9409109392	093	47352	9724045264	
29	Kamli	KMLI	02767	9409109376	093	47367	9724045265	
30	Sidhpur	SID	02767	220048	093	47368	9724045266	
31	Dharewada	DRW		9409109366	093	47369	9724045267	
32	Chhapi	CHP	02739	270411	093	47370	9724045268	
33	Umardashi	UM	02742	9499668628	093	47371	9724045269	
34	Linch	LCH	02762	9428266035	093	47372	9724045285	
35	Jotana	JTN	02762	9428266084	093	47373	9724045284	
36	Dhinoj	DHJ	02734	9428266170	093	47374	9724045286	
37	Ranuj	RUJ	02766	287725	093	47375	9724045287	
38	Patan	PTN	02766	233721	093	47375	9724045288	
39	Ambli Road	AMB		9409109344	093	44561	9724045147	
40	Sanand	SAU	02717	9409710571	093	45510	9724045148	
41	Chharodi	CE		9409109327	093	45587	9724045149	
42	Jakhwada	JKA		9409109328	093	45584	9724045150	
43	Viramgam	VG	02715	230293	093	45515 45581	9724045153, 9724045152, 9724045151	9724045103
44	Kharaghoda	KOD	02757	220221	093			

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45	Jhund	JN		9409109331	093	45529	9724045155	
46	Sadla	SADL		9409109353	093	45560	9724045156	
47	Bajana	BAJN		9409109351	093	45573	9724045157	
48	Jat-Pipli	JTX		9409109352	093	45523	9724045158	
49	Jaksi	JKS		9409109332	093	45576	9724045280	
50	Bhankoda	BKD	02715	9428266303	093	45577	9724045281	
51	Detroj	DTJ	02715	9409710247	093	45578	9724045282	
52	Katosan Road	KTRD	02715	250262	093	45579	9724045283	
53	Vasdva	VSV		9409109355	093	46652	9724045136	
54	Dhrangadhra	DHG	02754	282668	093	46603	9724045161, 9724045160, 9724045159,	9724045104
55	Ghanshyam Garh	GSY		9409109356	093	46640	9724045192	
56	Chuli	CUL		9408422399	093	46641	9724045170	
57	Sukhpur	SUK		9409109347	093	46642	9724045171	
58	Halvad	HVD	02758	261488	093	46643	9724045172	
59	Dhanala	DHNL		9409109350	093	46644	9724045173	
60	Devaliya	DVY		9409109349	093	46645	9724045174	
61	Khakhrechi	KHXB		9409109359	093	46646	9724045175	
62	Wadharva	WDHR		9409109357	093	46647	9724045176	
63	Maliya-Miyana	MALB	02829	266746	093	56719 56720	9724045177 9724045178	
64	Indira-Nagar	INDR		9409109358	093	46649	9724045178	
65	Surbari	SRBR		9409109388	093	56722	9724045179	
66	Katariya	KATR		9409109381	093	56723	9724045180	
67	Samakhayali	SIOB	02837	9408707689	093	56710	9724045181	9724045105
68	Vondh	VOND		9409109398	093	48368	9724045182	
69	Bhachau	BCOB	02837	224980	093	48271	9724045183	
70	Chirai	CHIB	02837	9409109393	093	48387	9724045184	
71	Bhimasar	BMSR	02836	9408715353	093	48338	9724045185	
72	Gandhidham Cabin	GIMC	02836	9408708535	093	48388	9724045186	
73	Gandhidham	GIMB	02836	228049	093	48218 48216	9724045193, 9724045189, 9724045190, 9724045187	9724045106
74	Adipur	AI	02836	265490	093	48375	9724045201	
75	Anjar	AJE	02836	242806	093	48376	9724045205	
76	Ratnal	RUT	02836	276617	093	48377	9724045206	
77	Kukma	KEMA		9409109380	093	48378	9724045292	
78	Bhuj	BHUJ		9409109379	093	48379	9724045208, 9724045207	
79	Shirva	SRVA	02836	9408707449	093	48392	9724045194	
80	Kandla Goods	KANDL A	02836	9408715668	093	48236		
81	Lakadiya	LKZ	02837	7043005114	093	56711	9724045246	
82	Shivlakha	SIA		7043005053	093	56712	9724045245	
83	Chitrod	COE		8799698179	093	56713	9724045244	
84	Kidiyanagar	KYG		8799698178	093	56714	9724045243	
85	Padampur	PDF		8799698174	093	56715	9724045242	
86	BhutakiyaBhimasar	BUBR		7043005052	093	52244	9724045241	

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87	Adesar	AAR		7043005167	093	56717	9724045240	
88	Lakhpur	LAA		8799698169	093	52219	9724045239	
89	Piprala	PFL		9409109375	093	52218	9724045238	
90	Garamadi	GM		8799698165	093	52217	9724045237	
91	Santalpur	SNLR		9409109329	093	52216	9724045236	
92	Chhansara	CASA		8799698161	093	52215	9724045235	
93	Vaghapura	VU		9409109377	093	52214	9724045234	
94	Varahi	VRX		9409109378	093	52213	9724045233	
95	Piplee	PLE		9409109369	093	52212	9724045232	
96	Radhanpur	RDHP		9409109368	093	52211	9724045230	9724045107
97	Devagam	DVG M		9409109370	093	52210	9724045229	
98	Bhabhar	BAH	02735	222201	093	52409	9724045228	
99	Mitha	MITA		9409109372	093	52408	9724045227	
100	Diyodar	DEOR	02735	245250	093	52407	9724045226	
101	Dhanakwada	DKW		9409109371	093	52406	9724045225	
102	Jasali	JSI	02735	267587	093	52405	9724045224	
103	Bhiladi	BLDI	02744	233766	093	52404	9724045223, 9724045222	9724045108
104	Lorwada	LW		9409109394	093	52403	9724045221	
105	Disa	DISA	02744	299322	093	52402	9724045220	
106	Chandisar	CDS	02742	283861	093	52401	9724045219	
	CDQ	CDQ				49110		
107	Palanpur	PNU	02742	251775	093	49160 49170 49164 49162	9724045216 9724045217 9724045218	9724045113
108	KADI	KADI	02764	262646			9724045290	
109	Vijapur	VJF	02763	220017			9724045296	
110	Mundra	MDPT					9724045204	9724045112
111	Tarangahill	TRAH					9724045289	
112	KANDLA PORT	KDLP	02836	270559	093	48236	9724045200, 9724045195	
113	Shahibaug	SHB			093	43632, 44649	9724045134	
114	JASALI	JSI	02735	267587			9724045224	
115	BHILDI	BLDI	02744	233766			9724045223 9724045222	
116	LORWADA	LW	WLL	246173				
117	WAYAD	WAAD	WLL	9408953165				
118	SHIHORI	SIHI	--	9408003714			9724045295 9724045204	
119	MUNDRA	MDPT	--				9724045202	
120	DEVALIYA ROAD	DVRD		8980015417				
121	VASAI TIRTH ROAD	VSRD		9909927270				
122	BHADRESHWAR ROAD	BSRD		9976855959			9724045203	
123	MUNDRA AIRPORT ROAD	MDPT		9909927269			9724045295	
124	MUNDRAPORT	MDPT		9925203430			9724045204	
125	SOUTH PORT	SPA		9687678480				
126	DHRUB	DU		9687678481				
127	WEST PORT	WPA		9687678482				

128	Ashish Welfare Trust Reilie Gynee Genearl Hospital		02761	222440			9429230492	

8.3 RAILWAY STATIONS WITH NEARBY POLICE THANA

Sr. No.	Station Code	Station Code	Nearby Police Station	PNT No.		Mobile No.
				STD Code	Phone No.	
1	VATVA	VTVA	Vatva	079	25710074	7575040000
2	MANINAGAR	MAN	Maninagar	079	25460089	9409402087
3	AHMEDABAD		GRP/ADI	079	22144887	9824541954
4	SABARMATI		Ranip	079	27506246	8980048515
5	CHANLODIYA	CLDY	Ghatlodiya	079	27489127	9825603224
6	AMBLI ROAD		Sola	079	27664590	9825217797
7	SANAND		Sananad Police station	02717	222333	8140573236
8	CHHARODI		GIDC/SAU & CE	02717	294787	-
9	JAKHWADA	JKLA	VG Rural, VG/City	02715	235252	9825290500
			VG/GRP	-	--	9825018661
10	VIRAMGAM		VG Rural, VG/City	02715	235252	9825290500
11	KHARAGODA / PATDI	KOD	Patdi Police station	02757	227400	-
12	JHUND		VG Rural, VG/City	02715	235252	9825290500
13	SADALA	SADK	VG Rural, VG/City	02715	235252	9825290500
14	BAJANA	BAJN	Patdi	02757	227400	
15	JATPAPLI		Patdi	02757	227400	
16	VASAVDA		Patdi	02757	227400	
17	DHARNGADHRA	DHG	DHG	02754	282850	
18	GHANSHYMGARH	GSY	DHG	02754	282850	
19	CHULI		DHG	02754	282850	
20	SUKHPUR		DHG	02754	282850	
21	HALVAD		HVD	02758	261251	
22	DHANALA	DHNL	HVD	02758	261251	
23	DEVALIYA		HVD	02758	261251	
24	KHANKHRECHI	KHXB	HVD	02758	261251	
25	WADHARVA	WDHR	HVD	02758	261251	
26	MALIYA	MALB	MALB	02829	286733	
27	INDRANAGR	INDR	MALB	02829	286733	
28	SURBARI	SRBR	MALB	02829	286733	
29	KATARIYA	KATR	MALB	02829	286733	
30	SAMAKHIALI	SIOB	City Police SIOB	02837	383542	
31	VONDH	VONB	City Police SIOB	02837	383542	
32	BHACHAU	BCOB	City Police Bhachau	02837	383542	
33	CHARI	CHIB	City Police Bhachau	02837	383542	
34	BHIMASAR	BMSR	City Police Bhachau	02837	383542	
35	GANDHIDHAM	GIM	City Police Bhachau	02837	224036	
36	SHIRVA	SRVA		02837	224036	

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37	KHANDL GOODS	KDLP	City Police KDLP	02836	270527	9724330230
38	ADIPUR	NBVJ	City Police Adipur	02836	060115	9429946545
39	ANJAR		Anjar	02836	242517	
40	RATNAL	ABD	Under Anjar Police			
41	KUKMA		Under Padder Police	02832	27011	
42	BHUJ	NBVJ	A & B Division	02832	253050 244150	7778045687
43	LAKADIYA		A & B Division	02833	253050 244151	7778045687
44	SHIVLAKHA	SIA	A & B Division	02834	253050 244152	7778045687
45	HITROAD		A & B Division	02835	253050 244153	7778045687
46	KIDIYANAGAR		A & B Division	02836	253050 244154	7778045687
47	PADMPUR		A & B Division	02837	253050 244155	7778045687
48	BHUTAKIYA BHIMASAR		A & B Division	02838	253050 244156	7778045687
49	ADESHAR	AAR	Adeshar	02806	267880	9909931375
50	LAKHPAT	LAA	Adeshar	02806	267880	9909931375
51	PAPRALA	CUL	Adeshar	02806	267880	9909931375
52	GARMADI		Santalpur	02738	222233	9978820009
53	SANTALPUR		Santalpur	02738	222233	9978820009
54	CHHANSARA		Santalpur	02738	222233	9978820009
55	VAGHPUR	VU	Varahi	02738	224123	9909178903
56	VARAHI	VRX	Varahi	02738	224123	9909178903
57	PIPLEE	PLE	Radhanpur	02746	277222	9879870097
58	RADHANPUR	RDHP	Radhanpur	02746	277222	9879870097
59	DEVAGAM	DVGM	Radhanpur	02746	277222	9879870097
60	BHABHAR	BAH	Bhabhar	02735	222222	7874688903
61	MITHA	MITA	Bhabhar	02735	222222	7874688903
62	DIYODHAR	DEOR	Diyodhar	02733	244444	9727739727
63	DHANKWADA	DKW	Diyodhar	02733	244444	9727739727
64	JASALI	JSL	Bhildi	02744	233330	9879684242
65	BHILDI	BLDI	Bhildi	02744	233330	9879684242
66	LORWADA	GIM	Disha	02744	226868	9909223226
67	DISA	DISA		02744	227880	7567898207
68	CHANDISAR		Gardh Police stn.	02742	222233	8980049777
69	SABARMATI MG	SBI	Sabarmati	079	27506819	7874511444
70	KHODIYAR	AJE	Adalaj	079	23971333	-
71	GANDHINAGAR	GNC	Gandhinagar	079	23249805	-
72	KALOL		Kalol city	02764	23220827	-
73	JHULASAN		Kadi Taluka	02764	223392	-
74	DANGARWA	DNW	Nantasan	02764	242690	-
-75	AMBLIYASAN	LKZ	Lagnaj	02762	273261	-

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76	JAGUDAN	UMN	Lagnaj	02762	287337	-
77	MAHESANA	MSH	A & B Division GRP	02762	287337	-
78	BHANDU		Unnawa	02767	287337	-
79	UNJHA	UJA	Unjha	02767	247871	9879587967
80	KAMLI	KMLI	Unjha	02767	247871	9879587967
81	SIDDHPUR	PDF	Siddhpur	02767	220057	-
82	DHAREWADA	DRW	Chappi	02739	270255	9879587967
83	CHAPPI		Chappi	02739	270255	-
84	UMARDASHI		Taluka PNU	02742	268300	9879587967
85	PALANPUR		PNU	02742	268300	-
86	ASARWA	PFL	Shaherkotda	079	22927072	8000006836
87	NARODA	GM	Naroda	079	22815814	9727222999
88	DHABODA		PSI Thana Dabhoda	079	23955542	9735213531
89	NANDOL DEHGAM	NHM	PSI Thana Dehgam	02716	232632	9898343034
90	TALOD	TOD	PSI Thana Talod	02770	220662	9714714565
91	SONASAN	SNSN	PI Thana Prantij	02770	233076	9979848492
92	HIMMATNAGAR	HMT	B-Division HMT	02772	245024	8980708345
93	IDAR	IDAR	PI Thana IDAR	02778	250024	9904458811
94	KHEDBRAHMA	KDBM	PI Thana KDBM	02775	220064	-
95	VISNAGAR	VNG	Visnagar	02765	231100	-
96	TARANGAHILL	TRAH	Satlasna Taluka	02761	259036	-
97	VIJAPUR		Vijapur city	02763	220016	-
98	KADI	KDI	Kadi Taluka	02764	242690	-
99	BECHRAJI	BHRJ	Bechraji	02734	286406	-
100	BHOYANI	BHAN	Detroj	02715	255570	-
101	PATAN	PTN	Patan Taluka	02734	222019	
102	LINCH	LCH	Linch Taluka	02766	230699	
103	JOTANA	JTN	Santhal	02766	230566	
104	KATOSAN ROAD	KTRD	Detroj	02762	287337	
105	DETROJ	DTJ	Detroj Police station	02762	265356	
106	BHANKODA	BKD	Detroj Police station	02715	255570	
107	JAKSI	JKS	Detroj Police station	02715	255570	
108	ADRAJ MOTI	AJM	Detroj Police station	02716	255571	
109	GANDHIDHAM	GIM	Detroj Police station	02718	255572	
110	HARIPAR	HIPR	Dhrangadhra	02718	255573	
111	VADNAGAR	VDG	Vadnagar	02836	232500	
112	KHALIPUR	KHPR	Patan	02754		
113	KANSA	KASA	Patan	02761		
114	WAYAD	WAAD	Vagdod	02766	230599	
115	SHIHORI	SIHI	Shihori	02766	261254	
116	DEVALIYA ROAD	DVRD	Anjar	02766	233733	
117	VASAI TIRTH ROAD	VSRD	Mundra	02747	242517	
118	BHADRESHWAR RD.	BSRD	Mundra	02836	222121	
119	MUNDRA AIRPORT RD.	MDPT	Mundra	02838	222121	

120	MUNDRAPORT	MDPT	Mundra	02838	222121	
121	SOUTHPORT	MDPT	Mundra	02838	222121	
122	DHRUB	DU	Mundra	02838	222121	
123	WEST PORT	WPA	Mundra	02838	222121	

8.4 LIST OF CIVIL AUTHORITIES

Sr. No.	Name of office	City	STD Code	PNT No.		FAX NO.	Mobile No.
				Office	Residence		
1	DGP Gujarat	Ahmedabad	079	23246333 23254201	24340028		978406271
	Police Commissioner		079	25633636	26464339		9978406279
2	Collector		079	27551681	22863598	27552144	9978406201
	DSP		079	26890440	29297066	22686145	9978406342
3	Collector	Banaskantha	02742	257171	257007	252740	9978406204
	DSP		02742	257015	257014	252190	9978405065
4	Collector	Gandhinagar	079	23259030	23254884	23259040	9978406209
	IGP		079	23260171	23248464		9978406999
	DSP		079	23210901		23210906	9978405070
5	Collector	Kutch	02832	220020	250350	250430	9978406213
	DSP		02832	280287	222110	280211	9978405690
6	Collector	Mehsana	02762	222200	2533652	222202	9978406214
	DSP		02762	222122	222123	222125	9978405074
7	Collector	Patan	02766	233301	2333300	233055	9978406218
	DSP		02766	230104 223555	230500	230182	9978405078
8	Police Commissioner	Rajkot	0281	2459888	245088	-	9978406298
	Collector		0281	2473900 2479351	2472900	2453621 2479351	9978406220
	DSP		0281	2446333		2476052	9978405080
9	Collector	Sabarkantha	02772	241001	223001	241611	9978406221
	DSP		02772	247333	223333	247933	9978405081
10	Collector	Surendranagar	02752	282220	240005	243300	9978406223
	DSP		02752	282100	285051	282815	9978405083

8.5 LIST OF BLOOD BANKS

Sr No.	Station	Name/ Location of Blood Banks	PNT No.	
			STD CODE	Phone No.
1	AHMEDABAD	GREEN CROSS	079	26577884/25461864
2	AHMEDABAD	RED CROSS BLOOD BANK	079	26657833/26643833

3	AHMEDABAD	PRATHAMA BLOOD BANK	079	26600101
4	AHMEDABAD	GUJARAT BLOOD BANK	079	26586480/26584843
5	AHMEDABAD	LG HOSPITAL MANINAGAR	079	25461380
6	AHMEDABAD	CIVIL HOSPITAL	079	27664359

8.6 MILITARY ORGANIZATION

Sr.	Organization	Station	Location	STD Code	PNT No. /RLYAUTO	Mobile No.
1	MCO	Ahmedabad	Ahmedabad	079	22160567	--
2	Commandant	Ahmedabad	Ahmedabad	079	22856251	08006406016

8.7 LIST OF MEDICAL FACILITIES

SN	Stn Code	Name of Hospital		Facility Available					PNT No.	
			Blood Bank	Ambulance	Beds	ECG	ICU	OT	STD Code	Phone No.
1	ADI	Victoriya jubilee Hospital	-	Y	70	Y	Y	Y	079	22142445
2	ADI	Shardaben Hospital	-	Y	150	Y	Y	Y	079	22924261
3	ADI	ESIS Hospital	-	Y	300	Y	Y	Y	079	22772587
4	ADI	Rajasthan Hospital	-	Y	170	Y	Y	Y	079	22866311
5	ADI	Civil Hospital	Y	Y	2040	Y	Y	Y	079	22683721
6	ADI	UN Mehta Hospital		Y	350	Y	Y	Y	079	22685349
7	ADI	Institute of Kidney Diseases		Y	250	Y	Y	Y	079	22685600
8	ADI	MP Shah Cancer Institute		Y	400	Y	Y	Y	079	22681415
9	ADI	MJ Institute of Ophthalmology		Y	230				079	22681010
10	ADI	V S Hospital		Y	1115	Y	Y	Y	079	26577621
11	ADI	Karnavati Hospital		Y	58	Y	Y	Y	079	26575500
12	ADI	Gulabbhai Hospital		Y	75	Y	Y	Y	079	22139055
13	ADI	Apollo Hospital		Y	300	Y	Y	Y	079	28501800
14	ADI	Civil Hospital		Y	210	Y	Y	Y	079	23221931
15	ADI	Narayan Multispl. Hospital		Y	300	Y	Y	Y	079	71222222
16	ADI	SAL Hospital		Y	300	Y	Y	Y	079	66115600
17	ADI	Asarwa Super Spl. Hospital	-		50	Y	Y	Y	079	9824090509
18	ADI	Sterling Hospital		Y	312	Y	Y	Y	-	40011166
19	ADI	Anand Surgical Hospital		Y	150	Y	Y	Y	079	22815100
20	ADI	Ashirvad Hospital		Y	50	Y	Y	Y	079	232798
21	ADI	Civil Hospital		Y	100	Y	Y	Y	02716	220691
22	ADI	M C Desai Gen. Hospital		Y	50	Y	Y	Y	02770	233651
23	ADI	Appex Heart Institute	-		82	Y	Y	Y	02770	26842220
24	ADI	GCS General Hospital		Y	530	Y	Y	Y	079	66048333
25	AI	Divine Life Hospital		Y	50	Y	Y	Y	02836	260577
26	AI	Hariom Trust Hospital		Y	75	Y	Y	Y	02836	260833
27	AJE	General Hospital		Y	50	Y	Y	Y	02836	245753
28	AJE	Shyam Sundar Hospital		Y	16				02836	242571

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29	BCOB	Waghad Welfare Hospital		Y	72	Y	Y	Y	02837	291022
30	BCOB	CHC		Y	30				02837	224034
31	BHRJ	CHC		Y	50	Y	Y		02734	286322
32	BHRJ	General Hospital		Y	15				02765	231364
33	BHRJ	G K General Hospital	Y	Y	750	Y	Y	Y	02832	246418
34	BHRJ	Accord Hospital – Mundra	Y	Y	50	Y	Y	Y	02832	230033
35	BHRJ	M M P J Hospital	Y	Y	90	Y	Y	Y	02832	231133
36	BLDI	CHC	-	Y	30	-	--		02744	233046
37	BLDI	Parmar Nursing Home	-	-	3	Y			02744	233096
38	BMSR	PHC	-	-	6	-			-	9909949397
39	CSMA	PHC	-	Y	-	-			02734	222166
40	DEOR	Civil Hospital	-	Y	50	Y	Y	Y	02735	244510
41	DHG	Referral & Community Hospital	-	Y	30	Y	-	Y	02757	227055
42	DHG	Phc Bajana SUNR	-	-	8	-	-	-	02757	22630
43	DHG	CHC DHG	-	Y	30	Y	-	-	02754	262631
44	DHG	Jindagi Hospital	-	-	10	-	-	-	02754	282558
45	DHG	Doctor Nursing Home	-	-	10	-	-	-	02754	281500
46	DHG	RH&CHC Halvad	-	Y	30	-	-	-	02758	261525
47	DHG	Sneh Children Hospital	-	-	10	-	-	-	02754	261799
48	DHJ	PHC	-	Y	-	-	-	-	02734	266366
49	DISA	Gandhi Lincon Hospital	-	Y	150	Y	Y	Y	02744	220172
50	DISA	Civil Hospital	-	Y	75	Y	Y	Y	02744	222500
51	DNW	PHC	-	-	6	-	-	-	02734	263411
52	DTJ	PHC	-	Y	30	-	Y	Y	02715	255633
53	GIM	Rambag Civil Hospital	-	Y	71	Y	Y	Y	02836	261626
54	GIM	Kandla Port Trust Hospital	-	Y	54	Y	Y	Y	02836	232288
55	GIM	St. Joseph Hospital	-	Y	60	Y	Y	Y	02836	230160
56	GIM	Sterling Hospital	-	Y	140	Y	Y	Y	02836	619600
57	GIM	Gandhidham Jain Sevasmithi	-	Y	30	Y	-	-	02836	257977
58	GIM	New Kandlaport Hospital	-	Y	30	Y	-	-	02836	270633
59	GIM	PHC	-	-	6	-	-	-	-	9909949397
60	GIM	Shydari Ramkrishna Hospital	-	Y	130	Y	Y	Y	-	-
61	GJR	Sarvajnik Hospital	-	Y	91	Y	Y	Y	02763	263469
62	GTKD	CHC	-	Y	30	Y	--	-	02763	246621
63	JTN	CHC	-	Y	30	-	-	-	02762	265125
64	KEMA	PHC	-	Y	6	-	-	-	02832	271234
65	KHD	Civil Hospital	-	Y	75	Y	Y	Y	079	23221932
66	KLL	K B Patel General Hospital	-	Y	50	Y	Y	Y	02734	222031
67	KLL	PHC	-	Y	0	-	-	-	02766	287639
68	KLL	CHC	-	Y	30	-	-	-	02766	287702
69	KRU	CHC	-	Y	30	-	-	-	02761	231149
70	KTRDLKZ	PHC	-	Y	15	-	-	-	02715	250262
71	LNJ	CHC	-	Y	30	-	-	-	-	9825749949
72	MAN	CHC	-	Y	30	Y	Y	Y	02762	287100
73	MAN	LG Hospital	-	Y	436	Y	Y	Y	079	24561380
74	MAN	Sidhivinayak Hospital	-	Y	80	Y	Y	-	079	25471428
75	MAN	Sardar patel Hospital	-	Y	35	Y	Y	-	079	25431573
76	MAN	Pallav Hospital	-	Y	40	Y	Y	-	079	2272054
77	MAN	Parimal Hospital	-	Y	20	Y	-	-	079	25467145

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78	MDPT	CHC	-	Y	30	-	-	-	02838	222144
79	MSH	Civil Hospital	Y	Y	215	Y	Y	Y	02762	220620
80	MSH	Lion General Hospital	-	Y	250	Y	Y	Y	02762	241101
81	MSH	Sai Krishna Hospital	-	Y	175	Y	Y	Y	-	8980571077
82	MSH	Jagudan PHC	-	Y	12	-	-	-	02764	284228
83	MSH	Dangarwa PHC	-	Y	-	-	-	-	02764	282203
84	MSH	Civil Hospital	-	Y	215	Y	Y	Y	02767	220620
85	MSH	Jotanasarvageni K Hospital	-	Y	5	-	-	-	02762	265329
86	MSH	M G Civil Hospital	-	Y	60	Y	Y	Y	-	2715233225
87	PHC	Sarvajanak Hospital	-	Y	25	-	-	-	02762	273338
88	PNU	PHC	-	Y	-	-	-	-	02738	22502
89	RDHP	Bhansali Hospital	-	Y	50	Y	Y	Y	02746	277343
90	RDHP	Ozu nursing Home	-	-	10	-	-	-	02746	277933
91	RDHP	Civil Hospital	-	Y	76	Y	Y	Y	02746	277201
92	PTN	Janta Hospital	-	Y	200	Y	Y	Y	02766	234200
93	PTN	Civil Hospital	-	Y	15	-	-	-	02766	233260
94	PTR	PHC	-	Y	30	-	Y	Y	02757	220589
95	RUJ	PHC	-	Y	-	-	-	-	02766	287725
96	Rut	PHC	-	Y	6	-	-	-	02836	276617
97	SBI	Maganlal Motchand	-	Y	25	Y	Y	Y	079	7506887
98	SBI	Municipality Hospital	-	Y	25	Y	Y	Y	079	27506887
99	SBI	Panchshil Hospital	-	Y	50	Y	Y	Y	079	27508783
100	KLL	Municipality Hospital	-	Y	85	Y	Y	Y	02764	223300
101	SBI	Shethpukraj Hospital	-	Y	70	Y	Y	Y	079	27508618
102	SHLV	CHC – Lanva	-	Y	30	Y	-	-	02764	263330
103	SIOB	Govt.Dispensary	-	Y	-	-	-	-	-	9909949358
104	SIOB	Pateil Dispensary	-	-	10	-	-	-	-	9825159759
105	PNU	Civil Hospital Rahpar	-	Y	50	Y	Y	Y	02830	220080
106	PNU	CHC Deodar	-	Y	30	-	-	-	02735	222276
107	PNU	BSF Hospital Dantiwada (Paramilitary)	-	Y	30	-	Y	Y	02748	278511
108	PNU	CHC Palanpur	-	Y	10	Y	-	-	02742	283233
109	PNU	Mahajan Hospital Palanpur	-	Y	100	Y	Y	Y	02742	246304
110	SIOB	Civil Hospital Palanpur	-	Y	275	Y	Y	Y	02742	253252
111	TRAH	PHC	Y	Y	4	-	-	-	02761	257163
112	TRAH	H A Shah General Hospital	-	Y	60	Y	Y	Y	02761	253419
113	UMN	PHC	-	-	4	-	-	-	02762	283316
114	VDG	General Hospital	-	Y	100	Y	Y	Y	02761	0223330
115	VG	CHC	-	-	50	-	Y	Y	02715	233225
116	VJF	CHC	-	Y	30	Y	-	-	02763	220156
117	VRX	PHC	-	Y	4	-	-	-	02738	224139
118	VTA	L G Hospital	-	Y	436	Y	Y	Y	079	25461380
119	VTA	Sidhivinayak Hospital	-	Y	80	Y	Y	Y	079	25471428
120	VTA	Sardar Patel Hospital	-	Y	35	Y	Y	-	079	25431573
121	VTA	Pallav Hospital	-	Y	40	Y	Y	-	079	2272054
122	VTA	Parimal Hospital	-	Y	20	Y	-	-	079	25467145

8.8 PARA- MILITARY ORGANIZATION

Sr.	Organization	Station	Location	STD Code	PNT No.	Mobile No.
1	Rapid Action Force (Control Office)	Vastrapur	Ahmedabad	079	29708628	--
2	Rapid Action Force Commandant	Vastrapur	Ahmedabad	079	--	9427308730
3	CRPF (Control Office)	Gandhinagar		079	23201093 29708626	--
4	CRPF Range DIG	Gandhinagar		079	23201765	--

8.9 BOMB DETECTION SQUAD, PETROLEUM DEPOT

Sr.	Organization	Station	Location	STD Code	PNT No.	Mobile No.
1	Bomb detection Squad	Gandhidham	Gandhidham	02836	222130	9924125975
		Ahmedabad	Ahmedabad	079	25622100	9176055975
		Mahešana Patan	Mahešana Patan	--	--	9925971754 8238400724
2	IOC	Gandhidham	Khari Rohar, Gandhidham	02836	220922	8511463063
3	HPCL	Gandhidham	Khari Rohar, Gandhidham	02836	654507	9429198883
4	BPCL	Gandhidham	Khari Rohar, Gandhidham	02836	651007	--

8.10 LIST OF ROAD TRANSPORT PROVIDERS

Sr.	Name of Firm	Station	STD Code	PNT No.	Mobile No.
1	Shrinath Travel & Transport Agency	Ahmedabad	079	25625353, 27560357, 25454000	9227033301, 9376113545, 9924815471
		Himmatnagar	02772	229229, 229570	9825106325
		Palanpur	0274	2255101	9428655101
2	Patel Tours & Travels	Ahmedabad	079	26576492, 26577811, 244848	8866155888 9925244257 9925244270
		Anjar	028636		
		Bhuj	02832	220556, 258372	8866155888
		Gandhidham	02836	234222	8866155888
		Gandhinagar	02712	23260020, 23262359	9925244276 8866155888
		Mundra	--	--	9925244269 9879947737
3	H. K. Travels	Ahmedabad	079	26575660 26763544 25450122	--

4	Shree Sahjand Travels	Anjar	02823	242527	
		Bhuj	02832	257588 251588	9979881491
		Gandhidham	--	--	9979881454 9429893287
		Himmatnagar	2772	229101	--
		Ahmedabad	079	22740087 49022244 25465049	9825801354 9825214057 9978913996
		Anjar	02836	227328 227329	9825801354 9825474770
		Gandhidham	02836	227328 227329	9825801354 9825804594
		Gandhinagar	--	--	9825801354, 8128121176
		Sukhpur	--	--	9825801354
		Mundra	02838	224239 49022244	9825801354 9825804767

8.11 JCB MACHINES, TRUCKS, BULLDOZERS AND CRANE PROVIDERS

Sr.	Station	Name of Firm	STD Code	P&T No.	Mobile No.	Equipment available			
						JCB	Truck	Bulldozer	Crane
1	ADI	Agwan Crane service, Sabarmati	079	27509062, 22138378	9427806808 9825190862	--	--	--	Y
		Ahmedabad Municipality- Bulldozers		25391903		--	--	Y	--
		West coast Crane	079	27540783		--	--	--	Y
2	DHG	M/s Dev Consturction	--	--	9588098342	Y	--	--	--
3	GIM	Kutch Carriers (Cranes and JCBs)	02836	234467, 235471, 222988	9825225590 9825701701 9979865121	Y	--	--	Y
		M/s DeosiGovindji Parmar-GIM	--	--	9825226769	Y	--	--	--
4	HMT	Ganesh Crane Services	02772	228844	9979328844 7600555500	--	--	--	Y
5	HVD	Rameshbhai (JCB)	--		9879196079	Y			
		Belabhai (JCB)	--		9825337333	Y	--	--	--
		Gaffurbhai (Crane)	--		9925994355	--	--	--	Y

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6	KLL	Umiya Crane Services	--		9638487200	--	--	--	Y
7	KHD	Shri Durga Cranes Co.	079	27526581	9909916068	--	--	--	Y
8	MSH	Bhupendra House Crane Service Pvt.Ltd	02762	225085	9824040335 9824040334	--	--	--	Y
		L R Patel & Co-ADI	-	--	9824206715	Y	--	--	--
		Khodal Corporation-VG	--	---	9979877903	Y	--	--	--
		M/s DeosiGovindji Parmar	--	--	9825226769	Y	--	--	--
9	PNU	Omar Earth movers	--	--	9328311954	Y	--	--	--
		Sadabahar Earthmovers	--	--	9825351818	Y	--	--	--
		Supreme Agency	--	--	9825353100	Y	--	--	--
		Shri. Umiya Trust	--	--	9426499796	Y	--	--	--
10	PTN	Maharaja Earth Movers	--	--	9825021190	Y	--	--	--
11	RDHP	M/s Dev Construction	--	--	9588098342	Y	--	--	--
12	VG	Savaram Engineers	--	--	9825039881	Y	--	--	--

Corrected Mapping of Road Machinery					
Major Section	Block Section	Station Name	Name of Firms	Mobile No.	Equipment's Available
GER-ADI-VG	ADI-SBI	ADI/ SBI	M/s JAIN TRANSPORT AND CARTINGS VADODARA B/35 Mahanagar society Dabhoi road Pratapnagar vadodara- 390004 Gujarat , India	6353779917	Truck, Trailor (all type bed)
	ADI-SBI	SBI	M/s Prarthana Road Carriers,A-1,Jagnath Estate,Opp Gujarat Bottling, Rakhiyal, Ahmedabad	9825367018	Truck, Trailor (all type bed)
	ADI	ADI	Vishwakarma Engineering, (Shri Lalbhai)	9998440524	Road Cranes, Hydra, JCB, Excavators
			Shri Dinesh Mavani	9727036372	JCB, Excavators
				9601394148	JCB,
	ADI	ADI	Khushi Enterprise, Shri Satynarayan		Excavators, Road Cranes, Dumpers
	ADI-SBI	SBI	Agwan crane service Sabarmati	9427806808	Hydra , Crane
	ADI-KKF	KKF	Crane Services	9924550007	Crane Services
	ADI	ADI	Crane Services	9924550007	Crane Services

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	ADI	ADI	Gas Cutter Services	9978539506	Crane Services
	SBT-CLDY	CLD Y	Harry Crane Service	9924524422	Crane, Hydra, JCB
	SBT-CLDY	SBT	Agwan Crane Service	9427806808	Crane, JCB
VG-SIOB	VG-DHG	VG	M/s SHREE GANESH EARTH MOVER, TAXSHSHILA MARKET, A- 22, NH 08, ZADESHWAR, BHARUCH- 392011	8128981735	Truck, Trailor (all type bed)
	VG-JN	VG	1. KHODIYAR CONSTRUCTION	9979877905	Crane trailer
			2. SAMIR KATIN	9979042821	Truck, JCB Hydraulic crane, JCB, DUMPER, TR ACTOR
	VG-DHG-1	DHG	M/s SHREE GANESH EARTH MOVER, TAXSHSHILA MARKET, A- 22, NH 08, ZADESHWAR, BHARUCH- 392011	8128981735	Truck, Trailor (all type bed)
	JTX-VSV	LC NO. 34	Shekhar Construction Pvt Ltd. Junagarh.	9875221071 (Sandip)	JCB
	SADL-BAJN	LC NO. 23/24	K P INTERPRISES, Porbandar, Gujarat	6353057242 (Othai)	07-Poclain (Hitachi)- with Trailor
				6353782170 (Rudra)	
				9106460853 (Raising)	2-Dumper,
				8960382315 (Narayan)	01-Tractor
				6353178160 (Dinesh)	
	GSY-CUL	LC No 54		Diveysh (70694 33675)	01-JCB, 02-Poclain (Hitachi)- Without Trailor,
	HVD-CUL	LC No 61, 63, 64		Brijesh (7993797949),	01-JCB, 02-Poclain-With Trailor,
				Sandeep (7041958136), Lakhubhai (9904999126)	
SIOB-GIM-BHUJ	GIM	GIM	Crane Service Gandhimdham	9979865121	Crane Service
	BCOB-SIOB	BCO B	Jai Mugal Construction, Bachau, Hemu Bhai	9978449500	Hydra, JCB and Poclain (Hitachi)- With Trailor, Tractor, Truck
	BHUJ	BHUJ	Meet Crane Service	9978052767	Crane Service
	AAR-MITHA	RDHP	Jayanti Bhai	8160609420	JCB
	AAR-	RDH P	Bharat Road Lines, Radhanpur, Jabir	9979320498	Poclain (Hitachi)-

DISASTER MANAGEMENT PLAN

SIOB- RDHP- PNU	MITHA		Bhai		With Trailor, JCB, Dumper, Tractor
	DISA	DISA	Goverdhan Crane Service	9099916174	Crane Services
	DISA	DISA	Sadabahar Earth Movers	9427372943	Crane Services
	PNU-DISA	PNU	Crane Services ABU Highway Authority	9909265556	Crane Services
	PNU-DISA	DISA	Crane Services-Goverdhan Crane Service DEESA	9099916174	Crane Services
	PNU-DISA	DISA	Crane Services-Sadababhar Earth Movers PNU	9427372943	Crane Services
	PNU-RDHP	RDH P	Jabarchand Crane Service, RDHP	9737541312	Crane Service
ADI-MSH- PNU	MSH-UMN	LC No 211	Dinesh Parmar , Mavani Const.	9265466421	Hydra, Poclain (Hitachi)- With Trailor,
	KLL-JUL	JUL	R.R. CRANE SERVICE Mastercoat Company Kalol Mahesana Highway Rajpur TA. Kadi	9825587680 9558740185	Crane
	KHD-SBI	LC no 241, 242, 243	Dinesh Parmar, Mavani const.	9265466421	Poclain (Hitachi)- With Trailor, JCB
	PNU	PNU	M/s. Krishika Enterprise, F- 23,2nd Floor, Market yard shopping Centre, Ganj Bazar, Mahsana-384001.	9737757327	Truck, JCB,
	PNU-MSH	LC No 207 Unja- BHU	D G Parmar Const.		Hitachi,
	KLL-GNC	KLL,	SHARAN ENTERPRISE Adalaj (Yashraj Singh Chauhan)	9824432353	Hydra Crane
		AJM		9974797474	Hydraulic Telescope Boom Crane 25 to 200 ton
		KLL-JDN	DNW , UMN, JDN, LCH, JTN	Bhupendra House Crane Service Pvt.Ltd (Shri Bhupendrabhai)	9824040335	Road Cranes
KLL-GNC		AJM	ADARSH CRANE HIRING NEAR ADALAJ POLICE STATION 382421	8347128005	HYDRA CRANE
				9662025613	Hydraulic Telescope Boom Crane 25 to 200 ton
					Forklift Trailer
MSH		MSH	Bhupendra House Crane Service Pvt.Ltd (Shri Bhupendrabhai)	9824040335	Road Cranes
PNU		PNU	Amar Crane Services (Shri Amarsingh)	9824250956	Road Cranes, Hydra
			Jai Goga Cranes (Shri Manjibhai)	9825708955	Road Cranes, Hydra
			Shri MotiBhaiSarajiBanjara	9427253592	JCB

DISASTER MANAGEMENT PLAN

	KLL	KLL	Shri Ismailbhai	9825587680	Road Cranes, Hydra
			Umiya Cranes (Shri Chintanbhai)	9638487200	Road Cranes, Hydra
	KHD	KHD	Shri Durga Crane Co (BabuLal Sharma).	9825326030	Road Cranes, Fork Lifts
	GNC	GNC	DHENOO Aviation , 408 Virmurti Complex, Opp. Oxford Tower, Gandhinagar, Gujarat	9898244484	Helicopter Charter Services
	MSH	MSH	M/s. Transformer Consulting Service, 11, Patel Vas, Biliya, Nr. Primary School, Mahesana - 382 870	8511350075	Hydra, JCB and Poclain (Hitachi)- With Tractor, Truck, Tractor
MSH-VG	KTRD	KTR D	M/s. Patel BharatkumarAmrutbhai, At. Post - Ransipura, Ta. Vijapur, Mahesana - 382 860	9825612311	Hydra, JCB and Poclain (Hitachi)- With Tractor, Truck, Tractor
	MSH-JTN	LCH	1.BHUPENDRA CRAINE SERVICE at MSH	9737044002	Crane, trailer hydraulic crane, truck,
	MSH-JTN	LCH	2. DEV oilfield services, mehsana	9925022817, 9913222817	Crane, trailer hydraulic crane, truck,
	KTRD-DTJ	KTR D	1. PINTU BHAI	9925321506	CRANE
			2. SAGAR BHAI	9724197825	JCB
MSH-PTN	PTN	PTN	M/s. Krishika Enterprise, F- 23,2nd Floor, Market yard shopping Centre, Ganj Bazar, Mahsana-384001.	9737757327	Truck, JCB,
	MSH-PTN	LC No .3, 12	Miral Const.	Anil Kumar Parmar	01-Hitachi
				-9825039446	01-JCB
ADI-HMT	ADI-NRD	NRD	CRANE SERVICES (SHRI KRISHNA)	8758174014	CRANE SERVICES
	NHM-DBO	NHM	S K Crane Services	9726113645	JCB, Mobile Crane, Hydra,Crane, Truck, Trailer
				9558163351	
	PRJ-SNSN	PRJ	Kanubhai R Parmar Construction	8511480575	JCB
	PRJ-TOD	PRJ	Rinesh Patel	9898167125	Hydra Crane
	NHM-DBO	DBO	Shankar Bhai	9106734077	JCB
	HMT	HMT	M/s Best Travels Travels,DwarkeshComplex, Himatnagar	9825106325	Truck
	HMT	HMT	Ganesh Crane Services (Shri Pankajbhai, Shri Rinkeshbhai)	9979328844	Road Cranes, Hydra

8.12 PRESS MEDIA

Sr No	Name of Paper / Publication	Station / HQ	STD Code	PNT No.	Mobile No.
1	Gujarat Samachar (Gujarati)	Ahmedabad	079	25508001/2/3/4	9898988045 8401014517
2	Sandesh (Gujarati)	Ahmedabad	079	079-26765480/3	9727495881 9824061808
3	Divya Bhaskar (Gujarati)	Ahmedabad	079	49088888	9977110016 7600016651 9879510756
4	Times of India (English)	Ahmedabad	079	67773300	9825023214
5	Indian Express(English)	Ahmedabad	079	26872481/82/53	9825022968 9582139737
6	Gujarat Vaibhav (Hindi)	Ahmedabad	079	26589474, 26582923	9898022403 9825153552
7	Rajasthan Patrike (Hindi)	Ahmedabad	079	26442264/65	9057531552 9427336197 9723527506
8	Standard Herald				9979355505 9429355505
9	Navgujarat Samay				9925022777
10	Metro Herald				9426014148
11	PIB				7834912217
12	PTI				9427317504
13	UNI				7405634733

8.13 ELECTRONIC MEDIA

Sr No	Designation	Station /HQ	Code	P & T NO.	Mobile
1	Director of information, Gandhinagar	Gandhinagar	079	23253388/23254170	9978408538
2	Additional Dir. Of Information, Gandhinagar	Gandhinagar	079	23253380/81	9978406085
3	Jt.Dir. of Inf. Regional inf. Office, Ahmedabad	Ahmedabad	079	26306737	9978405783 9426700832
4	AIR, Ahmedabad I/C Prog. Head	Ahmedabad	079	27540438	9913860467

DISASTER MANAGEMENT PLAN

5	CBS, AIR, Ahmedabad, Head of office	Ahmedabad	079	27541597	9427615362
6	Director (P), AIR Rajkot	Rajkot	0281	2453503/2444603	9426987882
7	Director (P), AIR Bhuj	Bhuj	02832	250852, 222503	9428156164
8	Sandesh	Ahmedabad	079		9879203721
9	TV9	Ahmedabad	079		9909941507
10	News 18 Gujarat	Ahmedabad	079		8000111487
11	GS TV			98998988017	7600041435 7600041412
12	V TV			9913381414	7698842341
13	Nirman				9979876105
14	ANI TV			9825069377	9537186866
15	Divya Bhaskar				9825680633
16	GTPL				9979876110
17	Zee 24 News				8980037588
18	News 18				8000111487
19	Live Gujarat			8320176439	9825870321 9327032927
20	TOI				9825050416
21	Aaj Tak				9825068689
22	ABP News			9978440910	9825030515
23	BBC				9825021413
24	India TV				982529894

8.14 LIST OF FIRE BRIGADES

Sr No.	District / Station	Designation	Code	Office Landline	Mobile
1	Ahmedabad	Chief Fire officer	079	22148465/201	
		Addl Chief Fir officer	079	22148465/206	
2	Banaskantha	Chief Fire officer	02742	252031	
3	Gandhinagar	Chief Fire officer	079	23222100 23222742	
4	Kutch	Fire officer	02832	247030/220301	
	Kandla port	Fire officer	02836	270176	
	Adani Port Mundra	Fire officer	02838	289440	
	IFKO Kandla	Fire officer	02836	270352	
	FOCT Kandla	Fire officer	02836	270987	

	GEL India Bhachau	Fire officer	02762	-	
5	Mehsana	Chief Fire officer	02762	225606/223283	
	Mehsana	Operator	02764	254568/223284	
	Kadi	Fire officer	02763	242414/265336	
	Vijapur	Fire officer	02765	222741/220020	
	Visnagar	Fire officer	02761	230351/235101	
	Vadnagar	Fire officer	02761	222052	
	Kheralu	Fire officer	02761	231021	
6	Unjha	Fire officer	02767	255245	
	Rajkot	Regional Fire officer	0281	2227222	
7	Sabarkantha				
	Himmatnagar	Chief Fire officer	02772	246720/223410	
	Prantij	Fire officer	02770	233410	
	Talod	Fire officer	02770	220653	
	Idar	Fire officer	02778	250046	
	Khedbrahma	Fire officer	02775	220021	
8	Surendranagar	Chief Fire officer	02752	282858	
	Dharngadhra	Fire officer	02754	261639	
	Halvad	Fire officer	02758	260462	

8.15 TELEPHONE NO. & LOCATION OF ART/ARMVT CRANE OVER AHMEDABAD

Sr. No.	Division	Station	ART/ARMV	Class	Crane	Designation	Mobile No.	Railway Phone No. 093	Exit Single/ Double
1	ADI	KKF	ART	A	140T	SSE(ART)	9724093067	41560	Double
2		GIM	ART	A	-	SSE(C&W)	9898141682	48358	Single
3		ADI	SPART	--	-	SSE(C&W)	9724044158	41528	Single
4		PNU	ARME	Scale	-	SSE(C&W)	9724093458	49150	Double
5		GIM	SPART	Scale	-	JE(C&W)	7228872244	48354	Single

CHAPTER – 9**DATA BANK OF RAJKOT DIVISION****9.1 TELEPHONE NUMBERS OF DIVISIONAL OFFICERS**

S.N	Designation	P&T NO. STD Code- 0281		Fax No	Railway Phone STD Code- 094		Fax No	Mobile
1	DRM	0281	2477006	2475217	094	44000/01	44006	9724094000
2	ADRM	0281	2476903	--	094	44002/03	--	9724094001
3	CMS-RJT			--	094	44900	--	9724094500
4	ACMS-RJT			--	094	44902	--	vacant
5	ADMO-Okha			--	094	48290	--	9724094516
6	Sr. DEN(CO)			--	094	44400	--	9724094200
7	Sr. DOM			--	094	44601	--	9724094900
8	Sr. DSO			--	094	44602	--	9724094901
9	Sr. DCM			--	094	44200	--	9724094950
10	Sr. DSTE			--	094	44801	--	9724094800
11	Sr. DEE-P			--	094	44300	--	9724094300
12	Sr. DEE-TRD			--	094	44350	--	9724094303
13	Sr. DME			--	094	44501	--	9724094400
14	DSC			--	094	44960	--	9724094700
15	Sr. DAUO			--	094	44150	--	9724094150
16	Sr.DFM			--	094	44102	--	9724094100
17	Sr.DMM			--	094	44990	--	9724094770
18	Sr.DPO			--	094	44702	--	9724094600
19	DEN (E)			--	094	44402	--	9724094201
20	DEN (W)			--	094	44404	--	9724094202
21	DSTE			--	094	44802	--	9724094801
22	DOM (G)			--	094	44604	--	9724094902
23	DY. CE(C)RJT			--	094	44450	--	9724093267
24	XEN(C) RJT			--	094	44452	--	9004490272
25	DY.CEE(C)			--	094	44450	--	9004490353
26	DY.CSTE (W)			--	094	44850	--	9724094850
27	DY. CE JAM	--	--	--	--	--	--	9724043135

9.2 RAILWAY STATIONS WITH P&T & AUTO PHONE NUMBERS

Sr. No.	Station	Auto Number (STD Code 094)	BSNL/ Mobile no.
1	OKHA	47275	
	OKHA EI TOWER	47207	92746 88175
2	BMRN/MTHP	47272	9274682047
3	DWK	47262	63534 43147
4	GRJA	47271	9274682048
5	OKD	47270	63534 43096
6	BHTA	46278	63534 43083
7	BPKA	46277	63534 43079
8	BHTL	46276	92746 82049
9	KMBL	46275	92746 82078
10	MDPR	46274	92746 82050
11	KNLS	46273	92746 82051
12	KNLS RRI	46270	
13	PPLI	46272	92746 82055
14	LKBL	46271	92746 82056
15	JAM	46262	63534 43009
16	JAM EI TOWER	46264	
17	HAPA	45262	63534 42961
18	HAPA-RRI	45264	--
19	HAPA YARD	45266,45268	--
21	WML	46261	63534 43170
22	RRT	44680	92746 82053
23	SIKKA	46371	63534 43192
24	MTKD	46370	92746 82052
25	ALB	45376	63534 42889
26	WTJ	45375	63534 42884
27	JALD	45374	63534 42837
28	HM	44249	63534 42820
29	CX	44248	63534 42812
30	PDH	44247	63534 42764
31	KHDI	44246	92746 82057
32	RJT-SM (P)	44660	--
33	RJT-RRI	44615	92746 82062
34	RJT-YARD	44661	--
35	RJT-SS	44656	9724094694
36	SD - RJT	44616	--
37	BKNG	44658	92746 82077
38	BLWR	44241	92746 82058
39	KHC	44242	92746 82059
40	KNKT	44243	70430 04017
41	SDD	44244	63534 42457
42	AXA	44245	92746 82060

43	WKR	42262	63534 42488
44	MU	43401	92746 82061
45	MVI	43402	70430 03616
46	BRL	43403	70430 03269
47	DAC	43404	63534 42703
48	WWA	43408	63534 42755
49	LUN	43406	63534 42721
50	NLK	43407	70430 03937
51	LXR	43401	63534 42536
52	DL	42292	63534 42583
53	LMC	42201	92746 82064
54	THAN	41414	93138 01265
55	VD	41413	63534 42669
56	RA	41412	92746 82065
57	MOL	41411	92746 82066
58	DXR	41410	92746 82067
59	CJR	41409	92746 82068
60	SUNR	41262	92746 82071
61	SUNR-RR1	41265	92746 82070
62	BLRD	41408	92746 82069
63	BRGP	41407	92746 82072
64	LTR	41406	92746 82073
65	KXZ	41405	92746 82074
66	LPR	41404	92746 82075
67	BMM	41403	70430 03409
68	SR	41402	63534 42685
69	VNRD	41401	92746 82076
70	ATNL -OKHA SECTION	44678	9724094720
71	ATNL-VG SECTION	44679	
72	TPC-OKHA SECTION	44367	9313801477
73	TPC-VG SECTION	44366	
74	SM HAPA	45260	9724094625
75	SM KNLS	46273	9724094673
76	SM OKHA	--	9724094629
77	SM DWK	47260	9724094691
78	SM WKR	42260	9724094642
79	SM MVI	43260	9724094630
80	SM SUNR	41260	9724094949
81	TI RJT	44650	9724094934
82	TI SUNR	41263	9724094931
83	TIMVI	43263	7043057911
84	TI DWK	47263	9724094930

85	TI JAM		9724094628
86	CTNL (N K VERMA)	44640	9724094908

9.3 RAILWAY STATIONS WITH NEARBY POLICE THANA

S. NO	NAME OF STATION	STATION CODE	NEARBY POLICE STATION	PNT No.	
				STD Code	Phone No.
1	VANIROAD	VNRD	VIRAMGAM(RURAL) POLICE STATION	6359626412	
2	SABLI ROAD	SR	BAJANA POLICE STATION	6359626242	
3	BHASKARPUR A	BMM	LAKHTAR POLICE STATION	6359626198	
4	LILAPUR	LPR	LAKHTAR POLICE STATION	6359626198	
5	KESARIYA ROAD	KXZ	LAKHTAR POLICE STATION	6359626198	
6	LAKHTAR	LTR	LAKHTAR POLICE STATION	6359626198	
7	BAJRANG PURA	BRGP	LAKHTAR POLICE STATION	6359626198	
8	BALAROAD	BLRD	SUNR B DIV	6359626189	
9	SURENDRA NAGAR	SUNR	SUNR A DIV CONTROL ROOM	02752 02752	285103 282452 6359629377
10	CHAMARAJ	CJR	JORAVARNAGAR	63596 26192	
11	DIGSAR	DXR	MULI POLICE STATION	6359626195	
12	MULIROAD	MOL	MULI POLICE STATION	6359626195	
13	RAMPADA	RA	MULI POLICE STATION	6359626195	
14	VAGADIYA	VD	MULI POLICE STATION	6359626195	
15	THAN	THR	THAN POLICE STATION	6359626221	
16	LAKHAMANCHI	LMC	THAN POLICE STATION	6359626221	
17	DALADI	DL	WKR TALUKA POLICE STATION	6359626086	
18	LUNSARIYA	LXR	WKR POLICE STATION	6359626071	
19	WANKANER	WKR	WKR POLICE STATION	6359626071	
20	AMARSAR	AXA	WKR POLICE STATION	6359626071	
21	SINDHAWADAR	SDD	WKR TALUKA POLICE STATION	6359626086	
22	KANKOT	KNKT	WKR TALUKA POLICE STATION	6359626086	
23	KHORANA	KHC	KUWADWA (RAJKOT)	6359627428	
24	BILESHWAR	BLWR	KUWADWA (RAJKOT)	6359627428	
25	RAJKOT	RJT	RAJKOT CITY	0281-2446055	
26	BHAKTINAGAR	BKNG	BHAKTINAGAR	6359627436	
27	KHANDERI	KHDI	PADDHARI POLICE STATION	6359625726	
28	PADDHARI	PDH	PADDHARI POLICE STATION	6359625726	
29	CHANOL	CX	PADDHARI POLICE STATION	6359625726	
30	HADMATIYA	HM	PADDHARI POLICE STATION	6359625726	
31	JALIYA DEVANI	JALD	DHROL TALUKA POLICE STATION	9428799901	

32	JAMWANTHLI	WTJ	JAM WANTHALI PUNCH A	9601788815
33	ALIYAVADA	ALB	ALIYAWADA	6359627828
34	HAPA	HXP	DHUVAV POLICE STATION	0288 2570400
35	JAMNAGAR	JAM	JAMNAGAR POLICE STATION	0288 2550200
36	WINDMILL	WML	BEDI MARINE POLICE STATION	0288 2550200 2550317
37	LAKHABAWAL	LKBL	GIDC DARED POLICE STATION	0288 2730151
38	PIPLI	PPLI	LALPUR	9909015095
39	KANALUS	KNLS	PADHANA	6359627849
40	MODPUR	MDPR	PADHANA	6359627849
41	KHAMBALIYA	KMBL	KHAMBALIYA POLICE STATION	6359627956,02833-234735
42	BHATEL	BHTL	KHAMBALIYA POLICE STATION	6357240735,02833-234735
43	BHOPALKA	BPKA	KALIYANPUR POLICE STATION	6359627935
44	BHATIYA	BHTA	KALIYANPUR POLICE STATION	6359627935
45	OKHAMADHI	OKD	CITY POLICE STATION DWK	028292-234523
46	GORINJA	GRJA	CITY POLICE STATION DWK	028292-234523
47	DWARAKA	DWK	CITY POLICE STATION DWK	028292-234523
48	BHIMRANA	BMRN	MITHAPUR POLICE STATION	6359627931
49	MITHAPUR	MTHP	MITHAPUR POLICE STATION	6359627931
50	OKHA	OKHA	MARINE POLICE STATION	6359627950
51	SIKKA	SIKKA	SIKA	9824648662
52	MOTIKHAVDI	MTKD	PADHANA	6359627849
53	RELIANCE RAIL TERMINAL	RRT	PADHANA	6359627849
54	MAKANSAR	MU	POLICE STATION MVI	6359626066
55	MORBI	MVI	POLICE STATION MVI	02822242592
56	BARVALA	BRL	POLICE STATION MVI	6359626066
57	DAHINSARA	DAC	POLICE STATION MALB	6359626080, 6359626079
58	LAVANPUR	LUN	POLICE STATION MALB	6359626080, 6359626079
59	NAVLAKEHI	NLK	POLICE STATION MALB	6359626080, 6359626079
60	WAWANIYA	WWA	POLICE STATION MALB	6359626080, 6359626079

9.4 LIST OF CIVIL AUTHORITIES

NAME OF CITY	DESIG.	OFFICE PH. NO.	FAX NO.	MOB.NO.
ADI	DGP	079-23254402	079-23254301	9978405837
	DIG	079-23254382	--	--
	SP	079-26891168	079-22362145	9978406342
	Collector	079-27551681	079-27552144	9978406201
RJT	IG	281-2477511	281-2448591	9978405368

	Collector	0281-2473900	0281-2453621	9978406220
	DPO	0281-2471573	--	9558710558
SUNR	Collector	02752-282200	02752-283862	9978406223
	SP	02752-282100	02752-282815	9978405083
	DPO	02752-284300	--	9510574912
MVI	Collector	02822-240701	02822-242640	9978405932
	SP	02822-243470/1	02822-240904	9978405975
	DPO	02822-243300	--	7874387678
JAM	Collector	0288-2555869	0288-2555899	9978406210
	SP	0288-2554203/4	0288-2556382	9978405639
	DPO	0288-2553404	--	9773197510
DWK	Collector	02833-232804/5	02833-232102	9978405933
	SP	02833-233223	02833-232112	9265861221
	DPO	02833-232125	--	8000256651

9.5 LIST OF MEDICAL FACILITIES

Section- VG-OKHA											
S. N	STN CODE	NAME OF HOSPITALS	FACILITY AVAILABLE						PNT No.		Mobile No.
			BLOOD BANK	AMBULANCE	Beds	ICU	ECG	OT	STD code	Phone No.	
1	VG	RLY HOSPITAL	N	N	N	N	N	N	-	-	9558755309
2	LTR	PHC	--	Y	-	-	-	-	-	-	9773005453
3	SUNR	C J HOSPITAL	Y	Y	50	Y	Y	Y	02752	220882	--
		C U SHAH HOSPITAL	Y	Y	500	Y	Y	Y	02752 02752	287001 287000	--
		RLY HOSPITAL	N	N	--	N	N	N	--	--	9328133299
4	THAN	CIVIL HOPITAL	N	Y	--	N	N	N			9408654456
5	WKR	RAILWAYH OSPITAL	N	N	--	N	N	N	-	--	7990648689
		CIVIL HOPITAL	N	Y	100	N	Y	Y	--	--	7567876169
6	RJT	CIVIL	Y	Y	540	Y	Y	Y	0281	2471118	

		HOSPITAL									
		RAILWAY HOSPITAL	Y	Y	80	Y	Y	Y	--	--	9724094500
		GT SETH HOSPITAL	Y	Y	56	Y	Y	Y	0281	2440410 2453903	
		SHAKTI MULTIPLE HOSPITAL	Y	N	50	Y	Y	Y	0281	2574747	9909974747
7	PDH	PHC	Y	Y	30	N	Y	Y	02820	2333440	7567876165
8	HAPA	RAILWAY HOSPITAL	N	N	-	N	N	N	Rly. Auto-46290		9824859403
9	JAM	GG HOSPITAL	Y	Y	1398	Y	Y	Y	0288	2666112	9227704551
		SAMARPAN HOSPITAL	Y	Y	200	Y	Y	Y	0288	2712728	--
		RAILWAY HOSPITAL	N	N	-	N	N	N	--	--	8200786402
		MILITARY HOSPITAL	Y	Y	100	Y	Y	Y	--	--	9376995361
9	KMBL	CIVIL HOSPITAL	Y	Y	150	N	Y	Y	02833	234704	7575012999
		RAJAN HOSPITAL	Y	Y	8	Y	Y	Y	--	--	7574867402
		SAKET HOSPITAL	Y	Y	30	Y	Y	Y	--	--	7878680000
10	BHTA	KALYANPUR HOSPITAL	N	Y	5	N	N	N	02891	233102	99259 99869
		MASHRU CL	N	N	N	N	N	N	--	--	9427514803
		GAZZAR	N	N	2	N	N	N	--	--	9427962097
11	DWK	DEVAYUSH HOSPITAL	Y	Y	15	Y	Y	Y	--	--	9558566333
		SDH HOSPITAL	Y	Y	30	Y	Y	Y	02892	234262	7567876173

12	MTHP	TATA HOSPITAL	Y	Y	10	Y	Y	Y	02892	675461	--
13	OKHA	RLY HOSPITAL	--	--	01	--	-	-	--	--	9724094516
		NAVY HOSPITAL	N	Y	2	N	Y	N	02892	262245	9687114337

9.6 LIST OF BLOOD BANKS

SN	STATION	NAME/LOCATION OF BLOODBANK	PNTNO		MOBILE NO
1	JAMNAGAR	G G HOSPITAL	0288	2666112	9227704551
2		SARASWATI			7096571108
3		VOLUNTARY			9825515701
4	RAJKOT	CIVIL HOSPITAL	0281	2471118	---
5		LIFELINECENTRE			8511221122
6		FIELDMARSHAL	0281	2481717	9638898277
7		NATAHNI	0281	2480659	9638700111
8	SURENDRANAGAR	CIVILHOSPITAL	02752	222052	--
			02752	220882	
9		LIFELINECENTRE	02752	220000	9979072328
10		CUSHAHTBHOSPITAL	02752	287001	8238060108
11	MORBI	SANSKARBLOODBANK	02822	225733	7573025733

9.6.1 LIST OF OTHER BLOOD BANKS

Sr. No.	Name of Blood Bank	Office No.	Mobile No.
1	FIELD MARSHAL BLOOD BANK, 3, MEDICARE, VIDYANAGAR MAIN ROAD, RAJKOT	02812480043 0281 2481717	9638898277
2	RAJKOT VOLONTORY BLOOD BANK, PITRODA HOUSE, GONDAL ROAD, RAJKOT	0281 2234242	8511221122
3	JAGRUTIVOLENTORY BLOOD BANK, DHORAJI	--	9925873351 9409255485
4	NATHANIVOLENTORY BLOOD BANK, 'TEJAS', 22, NEW JAGNATH, RAJKOT	0281 2480659	9638700111
5	SAURASTRAVOLENTORY BLOOD BANK, RAJKOT	02812450301	9824296311 9825082454
6	RED CROSS BLOOD BANK, RAJKOT	0281 2466260	8866871717
7	P. D. U. MEDICAL COLLEGE BLOOD BANK, RAJKOT	0281 2450385 0281 2458337 0281 2458338	9825359050

9.6.2 LIST OF HEALTH UNITS

SR. NO.	PLACE	PHONE NO.	MOBILE NO.
1	RAJKOT		8780042052
2	KUVADAVA		8780042052
3	JASDAN		9999887995
4	VINCHHIYA		8905153579
5	LODHKA		9904093330
6	PADADHRI		7567876165
7	KOTADASANGANI		7576876160
8	JAM KANDORANA		8320087896
9	GONDAL		9998263129
10	KOLITHAD		9054889487
11	DHORAJI		7567876164
12	MOTI MARAD		7567876164
13	JETPUR		7567876168
14	VIRPUR		9428282321
15	UPLETA	02826 274306	
16	BHAYAVADAR		8141794142

9.6.3 LIST OF PHC

Sr. No.	NAME OF TALUKA	NAME OF PHC	Phone No.	Mobile No.
1	DHORAJI	PATANVAV	02824 221683	98980 40625
2	GONDAL	DERADI(KU)	02825 221762	75678 76152
3	JASDAN	AATKOT	02821 220061	9429046750
4	JETPUR	AMARNAGAR	02823 221772	9099108991
5	KOTADASA NGANI	NAVI MENGANI	02825 284444	7576876160
6	UPLETA	BHIMORA	02826 221401	75678 76155

9.7 MILITARY ORGANIZATION

S. N.	Organization	Station	Location	STD Code	PNT No.	Mobile No.
1	ARMY CAMP	ADI	ADI	079	22856251	
2	ARMY CAMP	G'NAG AR	G'NAGAR		23201507,23201503, Ext.2198	
3	COMMODORE NAVY	JAM	JAM	0288	2522054	2552055
4	NAVY	DWK	DWK	02892	262040	
5	AIR FORCE	G'NAG AR	Control room	079	079-23242600,23242700	
6	AIR TRAFFIC CONTROL	ADI		079	22869251	

7	AIR HQ		New Delhi		011-23010231/ 23011051	

9.8 PARA- MILITARY ORGANIZATION

S.N	Organization	Station	Location	STD Code	PNT No.	FAX
1	Rapid Action Force	ADI	ADI	079	29708628	--
2	CRPF	Gandhinagar	CHILORA ROAD GANDHINAGAR AHMEDABAD	079	23200769, 23200241, 29750263	--
3	Commandant SRPF	JAM	JAM	0288	2911317	2911317
4	I/C DISTRICT HOME GUARD COMMANDANT	JAM	JAM	0288	2553862	2553862
5	DY CONTROLLER CIVIL DEFENCE	JAM	JAM	0288	2540371	
6	ASST COMMANDANT CISF	JAM	JAM	0288	4012925	--

9.9 BOMB DETECTION SQUAD, PETROLEUM DEPOT

S. No.	ORGANIZATION	Station	Location	Mo. No.
1	Bomb detection Squad	RJT	RJT	9904300768 PSI A S Vaghela
2	Bomb detection Squad	SUNR	SUNR	9714230404 ASI-Mahavir Singh
3	Bomb detection Squad	MVI	MVI	9825511208 PSI-K D Siju
4	Bomb detection Squad	DWK	DWK	9979022440 ASI-DINESH BHAI
5	Bomb detection Squad	JAM	JAM	9979439710 HC-Dhiren Bhai
6	Bomb detection Squad	HPC	RJT	0281-2440411
7	Bomb detection Squad	PETRO CHEMICAL CONTROL	RJT	0281-2380926

9.10 LIST OF ROAD TRANSPORT PROVIDERS

SN.	Station	Name of Firm	STD Code	PNT No.	Mobile No.
1	RAJKOT	GSRTC			6359918736
		EAGLE TRAVELS	0281	2480050, 2480052	9033990339
		GUJARAT TRAVELS	0281	2577077	--
		SHIVSHAKTI	0281	2234210	9824408601
		PAWAN TRAVELS	--	--	9428434040
		SOMNATH TRAVELS	0281	2222630	9979869669
2	JAMNAGAR	GSRTC	0288	2550270 2676904	6359918548
		PAWAN TRAVELS	0288	2552002	
		JAMNAGAR TRANSPORT COMPANY	0288	2559296	
		SHIVSHAKTI	0288	2561639	9824408605
		SRINATH TRAVELS			9825096062
3	SURENDRANA GAR	GSRTC	02752	221152	6359918740
		GHANSHYAM	--	--	9426455000
4	DWARAKA	GSRTC	02892	234204	6359918542
		DEVI TRAVELS	--	--	9033233888
5	MORBI	GSRTC	02822	230701	6359918734
6	KHAMBALIYA	GSRTC	02833	234772	6359918551
7	WANKANER	GSTRC	02828	220642	6359918743

9.11 JCB MACHINES, TRUCKS, BULLDOZERS AND CRANE PROVIDERS

STATION	AGENCY	TYPE OF MACHINERY AVAILABLE WITH AGENCY
VNRD	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
SR	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BMM	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
LPR	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
KXZ	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER

LTR	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BRGP	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BLRD	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
SUNR	SAPANA SUPPLIER BHANUBHAI BHARVAD 9712170010	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
CJR	J. S. ZALA 9979997894	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
DXR	J. S. ZALA 9979997894	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
MOL	J. S. ZALA 9979997894	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
RA	J. S. ZALA 9979997894	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
VD	J. S. ZALA 9979997894	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
THAN	J. S. ZALA 9979997894 KHODIYAR CRANE SERVICE 8690464242	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
LMC	J. S. ZALA 9979997894 KHODIYAR CRANE SERVICE 8690464242	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
DL	GALAXY CRANE SERVICE 9712681077	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
LXR	GALAXY CRANE SERVICE 9712681077	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
WKR	GALAXY CRANE SERVICE 9712681077	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
AXA	SUKIRTI ASSOCIATION 9106521229	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
SDD	SUKIRTI ASSOCIATION 9106521229	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
KNKT	SUKIRTI ASSOCIATION 9106521229	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
KHC	SUKIRTI ASSOCIATION 9106521229	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BLWR	SUKIRTI ASSOCIATION 9106521229	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER

RJT	SUKIRTI ASSOCIATION 9106521229	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BKNG	SUKIRTI ASSOCIATION 9106521229	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
KHDI	MAYUR CONSTRUCTION 9737374717 KRISHNA CONSTRUCTION 9528433333"	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
PDH	MAYUR CONSTRUCTION 9737374717 KRISHNA CONSTRUCTION 9528433333"	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
CX	MAYUR CONSTRUCTION 9737374717 KRISHNA CONSTRUCTION 9528433333"	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
HM	MAYUR CONSTRUCTION 9737374717 KRISHNA CONSTRUCTION 9528433333"	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
JALD	MAYUR CONSTRUCTION 9737374717 KRISHNA CONSTRUCTION 9528433333"	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
WTJ	MAYUR CONSTRUCTION 9737374717 KRISHNA CONSTRUCTION 9528433333"	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
ALB	MAYUR CONSTRUCTION 9737374717 KRISHNA CONSTRUCTION 9528433333"	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
HAPA	KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
JAM	KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
WML	KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
LKBL	KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
PPLI	KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
KNLS	KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
MTKD	KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER

SIKKA	KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
MDPR	PAVAN CONSTRUCTION COMPANY 9737374717 KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
KMBL	PAVAN CONSTRUCTION COMPANY 9737374717 KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BHTL	PAVAN CONSTRUCTION COMPANY 9737374717 KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BPKA	PAVAN CONSTRUCTION COMPANY 9737374717 KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BHTA	PAVAN CONSTRUCTION COMPANY 9737374717 KRISHNA CONSTRUCTION 9528433333	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
OKD	PAVAN CONSTRUCTION COMPANY 9737374717	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
GRJA	PAVAN CONSTRUCTION COMPANY 9737374717	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
DWK	PAVAN CONSTRUCTION COMPANY 9737374717	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BMRN	PAVAN CONSTRUCTION COMPANY 9737374717	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
OKHA	PAVAN CONSTRUCTION COMPANY 9737374717	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
MU	BALAJI CRANE SERVICE 9925131431	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
MVI	BALAJI CRANE SERVICE 9925131431	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
BRL	BALAJI CRANE SERVICE 9925131431	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
DAC	PATEL CRANE SERVICE 9904198082	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
WWA	PATEL CRANE SERVICE 9904198082	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
LUN	PATEL CRANE SERVICE 9904198082	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER
NLK	PATEL CRANE SERVICE 9904198082	HYDRA, POCLAIN, JCB, TRACTOR, DUMPER

JCB & CRANE WITH PWD

SR. NO.	NAME OF OWNER	PHONE NO.
1	CLASSIC NETWORK LI., 202- ARPAN COMPLAX, KALAWAD ROAD, RAJKOT	9925422222
2	SUTREJA AND CO., 17, PANCHNATH PLOT, B-301, SUDARSAN COMPLEX, LIMDACHOUK, RAJKOT.	9925107077
3	SHANTI STRUCTURE PRIVATE LI. '205-SANSKAR', KKV HALL, 150 RING ROAD, KALAVAD ROAD, RAJKOT	9909048348
4	SHRI G. V. SUTARIA, 201, MEET COMPLEX, 150 RING ROAD, INDIRA CIRCLE PASE, RAJKOT	9825216699

9.12 PRESS MEDIA**PRINT MEDIA**

SR. NO.	NAME OF PAPER/ PUBLICATION	NAME OF REPORTER	MOBILE NO.
1	TIMES OF INDIA	NIMESH KHAKARIYA	9909098035
2	INDIAN EXPRESS	GOPAL KATESHIYA	9429502871
3	RAJASTHAN PATRIKA	ROHIT SANGHANI	9374118831 9428892289
4	GUJARAT SAMACHAR	BAIJU JOSHIPURA(EDITOR) PRAVIN BHAI	9426949488 7567521715
5	SANDESH	JAYESH THAKRAR(EDITOR) TEJAS CHAUHAN	9426228782 7228963312
6	DIVYA BHASKAR	HIREN BHATT (EDITOR) NIHIR PATEL	9408382333 9879049717
7	JAI HIND	MIHIR SHAH	9898234567
8	AKILA	KIRIT GANATRA (EDITOR) JAYDEV JADEJA	8306333339 9825228882
9	PHULCHHAB	JAI DEEP PANDYA	9428156807
10	KATHIAWAD POST	SAKIR ANWAR K	9825777913
11	AB TAK	DEEPAK TRIVEDI	9374824074
12	SAURASHTRA AAJ TAK	OJAS SHAH	9825000997
13	AAS PASS	BABULAL BHAI GERVADIA	9879569400
14	GUJARAT MIRROR	VIMAL CHIKANI	9924485567
15	AZAD SANDESH	DHAVAL BHATT	9723924004
16	SAURASHTRA KRANTI	ASHOK GADHVI	9825217603
17	MUKHYA SAMACHAR	RAJESH MEHTA	9824280107
18	SAMNA MIRROR	GIRISH BHARDAVA	9924111872

19	CHAKRAVAT	GIRISH BHARDAVA	9924111872
20	HEADLINE	PANKAJ SINGH JADEJA	9327401599
21	AGRA GUJARAT	VINAY PARMAR	7405306875
		RAJU BHAI TRIVEDI	9106731341
22	AAJ KAL	KANA BANTWA (EDITOR)	9099052111
		SUDHIR BHATT	9824417667
23	SANJ SAMACHAR	ANKOOR SHAH (EDITOR)	9898266666
		ARUN BHATT	9429717171
24	NUTAN SAURASHTRA	VIKRAM BHAI RAWAL	9825505511
			9429189880

9.13 ELECTRONIC MEDIA

SN	CHANNEL	NAME OF REPORTER	MOBILE NO.
1	VTV	DHARMESH VAIDYA	9825669299
2	NEWS NETWORK 18	ANKIT POPAT	9016065024
3	ZEE 24 HOURS	GAURAV DAVE	9033000088
4	ABP ASMITA	PARAKRAMSINGH JADEJA	9714445503
5	INDIA TV	PARESHBHAI DAVE	9879022225
6	DD NEWS	RUSHI DAVE	9033000088
7	GS TV	CHETAN THAKRAR	9925122313
8	GUJARAT FIRST	SHRI GAUTAM BHEDA	9035512585
9		RAHIM LAKHANI	9898764283
10	TV9	MOHIT BHATT	9099934963
11	SANDESH NEWS	DIVYESH JOSHI	9974123333
		MAYUR SONI	9428792583
12	NEWS-24	DIGVIJAYSINH JHALA	9898997394
13	AAJTAK/HEADLINES TODAY	SHRI TEJAS SHESHANGIYA	9825394320
14	ANI	SURESH PAREKH	9824890917
		ASHOK SOLANKI	9426216922
15	GTPL/NIRMAN NEWS	MILAN THAKAR	9426653054
16	MANTAVYA NEWS	DHRUV KUNDEL	9898042435
17	AB TAK NEWS	DEEPAK TRIVEDI	9374824074
		DEVANSH BAKHTARIYA	8128889491
18	KTV	MERAMBHAI SOLANKI	9925886409
19	BS-9 TV NEWS	RAJU BHAI	8200023454
20	RAJKOT NEWS/GUJARATNEWS	DR. VIJAYESHWAR MOHUN	9265960699
21	DIVYA BHASKAR DIGITAL	KEVAL DAVE	8866458772
22	HELLO SAURASHTRA	PRAVIN SINH JHALA	9727273737
		KULDEEP SINH JADEJA	9727273737
23	CITY NEWS	JHAVER RAVRANI	9265027118
		LALIT VYAS	9909428616

9.14 LIST OF FIRE BRIGADES

S. N	STATION	FIRM / AGENCY	STD CODE	TELEPHONE NUMBER		WATER TANK	OTHER EQUIPMENTS
				LANDLINE	MOBILE		
1	SURENDRAN AGAR	MUNICIPAL CORPORATION	02752	282250	--	Y	--
2	THANGADH	FIRE STATION			98253 85769	Y	--
3	JAMNAGAR	FIRE STATION	0288	2672208	--	Y	--
4	KHAMBHALIA	FIRE STATION	02833	234731	9429558312	Y	--
5	RAJKOT	FIRE STATION	0281 0281	2227222 2331101		Y	--
6	MORBI	FIRE STATION	02822	230050	--	Y	--
7	DWARAKA	FIRECONTR OLROOM	02892	234057	8200151239	Y	--
8	WANKANER	FIRE STATION	--	--	9067716292	Y	--

9.15 TELEPHONE NO. & LOCATION OF ART/ARMV & CRANE OVER RAJKOT

Sr	Division	Station	ART/ ARMV	Class	Crane	In-Charge	Designation	Mobile No.	Railway Phone No.	Exit Single/ Double
1	RJT	RJT	ART	A	140T	C&W	SSE	93289 04399	--	DOUBLE
2	RJT	RJT	ARME	--	--	C&W	SSE	93289 04401	--	DOUBLE
3	RJT	HAPA	SPART	--	--	C&W	SSE	97240 41250	--	DOUBLE

SATELLITE TELEPHONE NUMBERS FOR DISASTER MANAGEMENT WESTERN RAILWAY

S.N.	DIV.	LOCATION	SAT. PH.NO.	MTNL/BSNL	RLY.
1	RJT	ARME-RJT	8991120871	9408732139	094-44640
		ART-RJT	8991112784	--	094-44642
		SPART-HAPA	8991120872	--	--

CHAPTER – 10**DATA BANK OF BHAVNAGAR DIVISION****10.1 TELEPHONE NUMBERS OF DIVISIONAL OFFICERS**

SN	Designation	P&T NO. STD Code-0278		Railway Phone STD Code- 099		Mobile
1	DRM	0278	2445475	099	44000	9724097000
2	ADRM	0278	2445506	099	44002	9724097001
3	Sr.DSO	-	-	099	44605	9724097730
4	Sr.DOM	0278	2445501	099	44600	9724097900
5	Sr.DME	-	-	099	44500	9724097400
6	Sr.DEN/Co.	0278	2445477	099	44400	9724097200
7	Sr.DEE (Power)	-	-	099	44300	9724097300
8	Sr. DEE (Traction)	-	-	099	44302	9724097825
9	DEE (Traction)	-	-	099	44208	9724097218
10	Sr. DSTE	0278	2447718	099	44800	9724097800
11	DSTE	-	-	099	44802	9724097801
12	Sr.DCM	-	-	099	44200	9724097950
13	DCM	-	-	099	44204-	9724097951
14	DEN/East	-	-	099	44402	9724097201
15	DEN/West	0278	2445478	099	44404	9724097202
16	Sr.DEN/Central	0278	2445476	099	44406	9724097211
17	Sr.DFM	-	-	099	44100	9724097100
18	Sr.DPO	-	-	099	44700	9724097600
19	Sr.DMM	-	-	099	44960	9724097750
20	CMS	0278	2445480	099	44900	9724097500
21	CMS/Incharge	-	-	099	44906	9724097504
22	CWM (Work shop)	0278	2435609	099	44550	9724097450
23	Sr. DAUO	-	-	099	44150	9724097130
24	DSC	-	-	099	44970	9724097700

10.2 RAILWAY STATIONS WITH P&T & AUTO PHONE NUMBERS

SN	Name of Station	Station Code	BSNL STD Code	BSNL Number	Rly STD Code	Railway Phone No.	Mobile	
							Station Master	Traffic Inspector
1	ALAMPAR	ALMR	-	9408988502	099	41354	9724047960	9724097909
2	BHAVNAGAR TERMINUS	BVC	-	9484576327	099	44660	9724097921	9724097909
3	BHAVNAGAR PARA	BVP	-	9408988504	099	44656	9979906131	9724097909

DISASTER MANAGEMENT PLAN

4	DHOLA JUNCTION	DLJ	-	7227058681	099	41367	8000425770	9724097909
5	KHODIYAR MANDIR	KDMR	-	9408988508	099	44692	9274695910	9724097909
6	LATHIDAD	LTD	-	9408988505	099	41356	9274695960	9724097909
7	NINGALA	NGA	-	9408988500	099	41355	8347235296, 9409199547	9724097909
8	PALITANA	PIT	02848	252708, 9429846328	099	44697	7061520345	9724097909
9	SANOSARA	SOA	-	9408988509	099	44695	9998187836	9724097909
10	SIHOR JUNCTION	SOJN	-	9429846404	099	44693	9274695920	9724097909
11	SONGADH	SGD	-	9408988507	099	44694	9427456879	9724097909
12	UJALVAV	UJ	-	9408988501	099	41353	9691809403	9724097909
13	VARTEJ	VTJ	-	9408988506	099	44691	7600206576	9724097909
14	ALAV	AAZ	-	9408988513	099	42391	9274695742	9724097914
15	SARANGPUR ROAD	SAPR	-	9484513285	099	42392	9274695751	9724097914
16	JALILA ROAD	JIL	-	9484513286	099	42393	9601083972	9724097914
17	BHIMNATH	BNH	-	9484513287	099	42394	9574996545	9724097914
18	TAGDI	TID	-	9484513288	099	42395	9274695852	9724097914
19	BOTAD	BTD	02849	251463	099	42329	9724097925	9724097914
20	KUNDLI	KDI	-	9408988511	099	42339	9274695851	9724097914
21	RANPUR	RUR	-	9499646149	099	42310	9274695798	9724097914
22	CHUDA	CDA	-	9408988516, 9274682028	099	42364	9274695785	9724097914
23	LIMDI	LM	-	9429606767	099	42379	9274695698	9724097914
24	WADHWAN CITY	WC	-	9484643240	099	42307	9274695794	9724097914
25	AMRELI	AE	02792	223364 9408988514	099	45389	-	9724097915
26	CHALALA	CLC	-	9484547970	099	47393	-	9724097915
27	CHITAL	CTL	-	9484513372	099	43363	9274695177	9724097915
28	DAMNAGAR	DME	-	9484569099	099	41383	9274695165, 9610023209	9724097915
29	DHARI	DARI	-	9484547969	099	45386	-	9724097915
30	DHASA JUNCTION	DAS	02847	233079, 9499655699	099	41381	9274695192	9724097915
31	JALIYA	JA	-	9408988503	099	41380	9974341883, 9274695156	9724097915
32	JETPUR	JTP	-	9328920235	099	43325	9274695199	9724097915
33	KHAKHARIYA	KKK	-	9484513374	099	43388	8840218357	9724097915
34	KHIJDIYA	KJV	-	9484513371	099	43345	9274695086	9724097915
35	KUNKAVAV	KKV	-	9484513375	099	43366	8178831836	9724097915
36	LATHI	LAT	-	9484513370	099	43324	9274695161	9724097915
37	LUNIDHAR	LDU	-	9484513373	099	43346	8115660747	9724097915
38	VADIA DEVALI	VDV	-	9328920221	099	43371	9407448866	9724097915
39	RIBDA	RBR	-	9408988517	099	43380	9274693936	9724097916
40	GONDAL	GDL	02825	9484576329	099	43377	9879661265	9724097916
41	VIRPUR	VRR	-	9484547971	099	43378	8160406260, 9274693969	9724097916
42	JETALSAR	JLR	-	9484513298	099	43329	9724097928	9724097916
43	VADAL	VAL	-	9427832185	099	45391/ 43357	9429548898	9724097916
44	JUNAGADH	JND	0285	2627150	099	45329	9724097929	9724097916
45	SHAHPUR	SHH	-	9484547972	099	45392	9436788077	9724097916
46	LUSHALA	LAL	-	9484843873	099	45393	9724949956	9724097916
47	KESHOD	KSD	-	9484576324	099	45378	9426950631	9724097916

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48	MALIYAHATINA	MLHA	-	9408026201	099	47393	9427258205	9724097916
49	CHORWAD ROAD	CVR	-	9408026343	099	47392	9924265769	9724097916
50	ADRI ROAD	ADE	-	9484576320	099	47391	9274695115	9724097917
51	VERAVAL	VRL	-	9484576325	099	47369	9724097930	9724097917
52	SOMNATH	SMNH	-	9409757175	099	47370	9724097932	9724097917
53	SAVNI	SVB	-	9429403788	099	47371	9274695132	9724097917
54	TALALA	TAV	02877	9484576322	099	47372	9274695127, 9979387070	9724097917
55	SASAN GIR	SASG	02877	285585, 9484576323	099	45384	9274695128	9724097917
56	KANSIYANES	KANS	-	9408988515	099	45382	9274695145	9724097917
57	VISAVADAR	VSW	-	9408988514	099	45381	9274695200, 9426368481	9724097917
58	PRACHI ROAD	PCC	-	9328920170	099	47373	6378407548	9724097917
59	DELWADA	DVA	-	9499665960	-	-	9724047976	9724097917
60	BALVA	WAB	-	9328920155	099	43342	9274695747, 7567149950	9724097908
61	BHANVAD	BNVD	02896	232370, 9429845381	099	46380	9274695254, 9426775793	9724097908
62	BHAYAWADAR	BHY	-	9484996959	099	43335	9274695283, 9601960177	9724097908
63	DHORAJI	DJI	02824	221864	099	43327	9274695297, 9825751638	9724097908
64	GOPJAM	GPP	-	9499675860	099	46382	9274695268, 9724360362	9724097908
65	JAMJODHPUR	JDH	-	9499675149	099	43333	9274695279, 7990494363	9724097908
66	LALPURJAM	LPJ	-	9429403787	099	46383	9274695267, 9265122152	9724097908
67	PORBANDAR	PBR	-	9484996628	099	46329	9724097931	9724097908
68	RANAVAV	RWO	-	9328920162	099	46370	9274695246, 7567929985	9724097908
69	UPLETA	UA	02826	221461	099	43322	9274695292, 9427239522	9724097908
70	WANSJALIYA	WSJ	-	9499663080	099	46371	9274695206, 9664583269	9724097908
71	BAVLA	VLA	-	7227933298	099	44633	9426311994, 9274695835	9724097924
72	DHANDHUKA	DCK	-	9484513289	099	42396	7621099232, 9274695771	9724097924
73	DHOLKA	DOK	-	7227989502	099	44634	9427040800	9724097924
74	GANDHIGRAM	GG	-	9499688799	099	44629	9724097939	9724097924
75	GODHANESHWAR	GS	-	7227989463	099	44635	9274695839	9724097924
76	HADALABHAL	HLB	-	9724097945	099	42383	9274695715	9724097924
77	KOTHGANGAD	KTGD	-	9328920156, 9484513293	099	44636	9274695843	9724097924
78	LOTHAL BHURKHI	LHBK	-	9274693927	099	42384	9274695848	9724097924
79	MATODA	MQA	-	6352702497	099	44632	9274695822	9724097924
80	MORAIYA	MORA	-	7227989559	099	44631	9274695847	9724097924
81	RAYKA	RY	-	9484513290	099	42382	9274695855	9724097924
82	SARKHEJ	SEJ	-	9328920161	099	44630	9427490849, 9274695817	9724097924
83	MAHUVA	MHV	02844	222478	099	41391	9784220022	9724097935
84	RAJULA JUNCTION	RLA	-	7227989476	099	41388	9274695549	9724097935
85	VIJPADI ROAD	VJD	-	9409857273,	099	41309	9274695560	9724097935

				9274681969				
86	GADHKADA	GKD	-	9499672080	099	41386	9274695688	9724097935
87	SAVARKUNDLA	SVKD	-	9428266538	099	41385	9274695856	9724097935
88	LILIYA MOTA	LMO	-	9484996955	099	41384	9274695554	9724097935
89	RAJULA CITY	RJU	-	9499542957	099	41389	9274695596	9724097935
90	PIPAVAV	PPVS	-	9408988512	099	41390	9724097927	9724097935

10.3 RAILWAY STATIONS WITH NEARBY POLICE THANA

S.No.	Name of Station	Station code	Nearby Police Station	PNT No.		Mobile No.
				STD code	Phone No.	
1	Ahmedabad	ADI	DIG, Ahmedabad	079	25633636	9978406271
2	Ahmedabad	ADI	Police Control Room, CP Office, Ahmedabad	079	25630100, 25630200	9978406258, 9978405093
3	Ahmedabad	ADI	DSP (Rural), Ahmedabad	079	26890440	9978406342
4	Gandhigram	GG	Navrangpura, Ahmedabad	079	26440698	6359625129
5	Sarkhej	SEJ	Police Station	079	26821385	9773014050 Vastrapur
6	Bavla	VLA	Police Station, Bavla	-	-	6359626351
7	Kotgangad	KTGD	Police Station, Kotgangad	-	-	6359626401
8	Dholka	DOK	Police Station, Dholka	02714	222265	6359626372
9	Dhandhuka	DCK	Police Station, Dhandhuka	02713	222333	6359626376
10	Jorawarnagar	JVN	Police Station, Jorawarnagar	02752	235106	6359626190
11	Whadhwani City	WC	Police Station	02752	243917	6359626187
12	Limbdi	LM	Police Station	02753	260028	6359626202
13	CHUDA	CDA	Police Station, Chuda	02753	233340	6359626205
14	Ranpur	RUR	Police Station, Ranpur	-	-	6359627622
15	BOTAD JN.	BOTAD	Police Station, Botad	02849	251415	6359627726
16	DHOLA JN.	DLJ	Police Station, Umralla	02843	235233	6359626287
17	Songadh	SGD	Police Station	02846	244333	-
18	Sihor Junction	SOJN	Police Station, Sihor	02846	222060	-
19	Palitana	PIT	PSI-Palitana/Town) PSI-Palitana (Rural)	02848	Town - 243301, Rural - 242450	6359629021
20	Bhavnagar Para	BVP	Police Station, Bortalav, Bhavnagar.	0278	2521851	-
21	DHASA	DAS	Police Station, Dhasa	02847	233102	6359625947
22	Liliya Mota	LMO	Police Station, Liliya	02793	237542	6359627923
23	AMRELI	AE	Police Station, Amreli	-	-	6359627930
24	SAVARKUNDLA	SVKD	Police Station, Savarkundla	02845	242499, 242599	7069052979, 7069052980
25	RAJULA CITY	RJU	Police Station, Rajula	02794	222077	6359627911
26	PIPAVAV PORT	PPVS	Police Station, Pipavav Port	02794	286030	6359627897
27	Ribda	RBR	Police Station, Shapar	02827	253600	6359625730
28	Gondal	GDL	Police Station, Gondal	02825	220029	-
29	Virur	VRR	Police Station	02823	281535	-
30	Jetpur	JTP	Police Station, Jetpur	02823	220661	-
31	Junagadh	JND	Police Station, Junagadh	0285	2653322	6359629638

32	Maliya Hatina	MLHA	Police Station, Maliya Hatina	02870	222254	-
33	Keshod	KSD	Police Station	02871	236093	9825184095
34	Chorvad Road	CVR	Police Station	02876	288505	-
35	Veraval	VRL	Police Station, Veraval	02876	220003	6359625996
36	Ranavav	RWO	Police Station, Ranavav	02801	230636	-
37	Porbandar	PBR	Police Station, Kamlabag, Porbandar	-	-	6359625336, 9913737372
38	Lathi	LAT	Police Station	02793	250533	6359629034
39	Damnagar	DME	Police Station, Damnagar	02793	222017	-
40	Chalala	CLC	Police Station	-	-	6359627879
41	Talala	TAV	Police Station	02877	222233	7433975929
42	Visavadar	VSW	Police Station	02873	222061	6359626797
43	Dhoraji	DJI	Police Station	02824	221870	
44	Upleta	UA	Police Station	02826	221499	
45	Jamjodhpur	JDH	Police Station	02898	220069	6359627873
46	Bhayavadar	BHY	Police Station	02826	274304	6359629373
47	Lalpur	LPJ	Police Station	02895	272236	6359627872
48	Bhanwad	BNVD	Police Station	02896	232121	7433975915
49	Mahuva	MHV	Police Station	02844	223099	-
50	Delwada	DVA	Police Station, Una	02875	224766	-

10.4 LIST OF CIVIL AUTHORITIES

SN	Civil Official	District	Station Code	STD code	PNT No. (Office)	Mobile No.
1	COLLECTOR	Ahmedabad	ADI	079	27551681	9978406201
	DIG				25633636	9978406271
	POLICE COMMISSIONER				23245329, 25630100, 25630200, 25633434, 25633333, 22865511	9978406258, 9978405093
	SP(RURAL)				26890440	9978406342
2	COLLECTOR	Amreli	AE	02792	222307	9978406202
	SP				222333	9978405063
3	COLLECTOR	Bhavnagar	BVC	0278	2425683, 2428822	9978406206
	IG/DIG				2510810	9978407872
	SP				2520050	9978405067
4	COLLECTOR	Botad	BTD	02849	271301	9978405931
	SP				251415, 271504	9978405988
5	COLLECTOR	Dev Bhoomi	KMBL	02833	232803, 232804	9978405933
	SP	Dwarka			233223	9978405976
6	COLLECTOR	Gir Somnath	SMNH	02876	240001	9978405934
	SP				222250	9978405974
7	COLLECTOR	Jamnagar	JAM	0288	2555869	9978406210
	SP				2554203	9978405639
8	COLLECTOR	Junagadh	JND	0285	2630100	9978406211
	IG/DIG				2650401	9978406290
	SP				2635633	9978405250
9	COLLECTOR	Porbandar	PBR	0286	2221800	9978406219

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	SP				2240922, 2211222	9978405079
10	COLLECTOR	Rajkot	RJT	0281	2473900	9978406220
	IG/DIG				2477511	9978406293
	POLICE				2459888	9978406076
	COMMISSIONER					
	SP				2433444, 2446333, 2477220	9978405080
11	COLLECTOR	Surendranagar	SUNR	02752	282200	9978406223
	SP				282100	9978405083

10.5 LIST OF MEDICAL FACILITIES

S.N.	Section	Station	Stn. Code	Name of Hospital	Cat.	Telephone	No. of beds	Phone (24 Hrs.)	Am b.	X-ray	E C G	L a b	Route Surgical
1	BVC-DLJ	Bhavnagar Term.	BVC	Sir T General Hospital, Bhavnagar	Govt.	9426239494 0278-2423250	700	0278-2510455	Y	Y	Y	Y	Y
2	BVC-DLJ	Bhavnagar Term.	BVC	HCG Hospital, Bhavnagar	Pvt.	6358888816	100	0278 6640108	Y	Y	Y	Y	Y
3	BVC-DLJ	Bhavnagar Term.	BVC	BIMS Multispeciality Hospital, Jail Road, Panwadi, Bhavnagar	Pvt.	0278 664 4444	80	9825285656	Y	Y	Y	Y	Y
4	BVC-DLJ	Bhavnagar Term.	BVC	Sadvichar General Hospital And Nursing Home, Bhavnagar	Pvt.	98255 15757	25	9099655575	Y	Y	Y	Y	Y
5	BVC-DLJ	Bhavnagar Para	BVP	Pulse Hospital, Bhavnagar	Pvt.	6359599090	50	6359599292	Y	Y	Y	Y	Y
6	BVC-DLJ	Bhavnagar Term.	BVC	Shree Bajrandas Bapa Hospital, Bhavnagar	Trust	7574878818	85	0278-6640666 7574878808	Y	Y	Y	Y	Y
7	BVC-DLJ	Bhavnagar Term.	BVC	UCHC , Kumbharwada	Govt.	7405464956	10	7405464956	N	N	N	Y	Y
8	BVC-DLJ	Vartej	VTJ	Community Health Center	Govt.	0278-2540641 0278-2540642	30	7878691919	No	No	N o	Y	Y
9	BVC-DLJ	Sihor	SOJN	Community Health Center	Govt.	02846-222063	30	8238015146	Y	Y	N o	Y	Y
10	BVC-DLJ	Sihor	SOJN	Shri N M Bhutia Hospital, Station Road	Trust	02846-222139	35	9427777132	Y	Y	Y	Y	Y
11	SOJN-PIT	Palitana	PIT	Sir Mansingh Hospital	Govt.	02848-252175	45	9898674348	Y	Y	Y	Y	Y
12	SOJN-PIT	Palitana	PIT	Sanghvi Hospital Nr. S.T. Bus Stand	Pvt.	02848-252892	20	9687870047	No	Y	Y	Y	Y
13	BVC-SOJN	Bhavnagar Term.	BVC	Soul Multispeciality Hospital	Pvt.	9073989898	75	9512412401	Y	Y	Y	Y	Y
14	BVC-DLJ	Sihor	PIT	Shrey Hospital & ICU	Pvt.	8200908491	30	9662208108	Y	Y	Y	Y	Y
15	BVC-DLJ	Songadh	SGD	Primary Health Center	Govt.	02846-223060 02846-223061	6	9727779679	No	No	N o	Y	No
16	DLJ-BTD	Sanosara	SOA	Primary Health Center	Govt.	02847-283117	2	9727779680	No	No	N o	N o	No
17	DLJ-BTD	Dhola	DLJ	PHC Ranghola	Govt.	9727779688	6	9727779688	Y	No	N o	Y	No
18	DLJ-BTD	Dhola	DLJ	Primary Health Center Dadva	Govt.	9727779687	10	9227704214	Y	No	N o	Y	No
19	DLJ-BTD	Dhola	DLJ	Community Health Center, Umarala	Govt.	9033989907	30	9033989907	Y	Y	Y	Y	Y
20	DLJ-	Dhola	DLJ	Patel Clinic	Pvt.	9925448061	4	9925448061	No	No	N	N	No

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	BTD										o	o	
21	DLJ-BTD	Dhola	DLJ	Swami Nirdoshanand Hospital Timbi	Trust	02843-242444	125	02843-242444	Y	Y	Y	Y	Y
22	DLJ-BTD	Ningala	NGA	Shriji Clinic	Pvt.	9427152092	2	9427152092	No	No	N O	N o	No
23	DLJ-BTD	Ningala	NGA	CHC Godala	Govt.	9023126995	50	9023126995	Y	Y	Y	Y	No
24	DLJ-BTD	Ujalvav	UJ	PHC Khopada	Govt.	9723130530	6	9723130530	Y	No	N O	Y	No
25	DLJ-BTD	Lathidad	LTD	Virani Clinic	Pvt.	9924415395	0	9924415395	No	No	N o	N o	No
26	BTD-SUNR	Botad	BTD	Civil Hospital, Sonawala	Govt.	9409468125	100	9099043058	Y	Y	N o	Y	Y
27	BTD-SUNR	Botad	BTD	T M Vadodaria Medical Center Paliyad Road	Trust	9904025999	50	02849-252004	No	Y	Y	Y	Y
28	BTD-SUNR	Botad	BTD	Omkar Hospital	Pvt.	9824831300	10	-	Y	Y	Y	Y	Y
29	BTD-SUNR	Botad	BTD	Chhaya Orthopedic Hospital	Pvt.	02849-251697	10	02849-251697	Y	Y	Y	Y	Y
30	BTD-SUNR	Botad	BTD	Jivandhara Hospital, Paliyad Road	Pvt.	9824295768	10	--	No	Y	Y	Y	No
31	BTD-SUNR	Botad	BTD	Sabhiha Hospital Harnakui Road, Khojwadi	Trust	9879647272	100	9825879696	Y	Y	Y	Y	Y
32	BTD-SUNR	Botad	BTD	Rachana Hospital, Swastik Socy., Paliyad Rd.	Pvt.	02849-252389 9824288473	10	-	No	Y	N o	N o	Y
33	BTD-SUNR	Ranpur	RUR	Community Health Center, Near Bus Station	Govt.	9714301685	30	02711-238513	Y	Y	N o	Y	Y
34	BTD-SUNR	Ranpur	RUR	Modan Clinic	Pvt.	9825873123	7	-	NO	Y	Y	Y	Y
35	BTD-SUNR	Ranpur	RUR	Dr.G.T.Thakkar Clinic	Pvt.	9879074417	1		-	Y	Y	-	Y
36	BTD-SUNR	Ranpur	RUR	Dr. A.D. Seth Clinic	Pvt.	9426958656	1	-	NO		Y	Y	Y
37	BTD-SUNR	Chuda	CDA	Community Health Center, Joravar Pura	Govt.	9924068934	30	-	Y	Y	N o	Y	No
38	BTD-SUNR	Limbadi	LM	Civil Hospital	Govt.	8160645162	200	02753-260065	Y	Y	Y	Y	Y
39	BTD-SUNR	Limbadi	LM	P V Bhatt Hospital	Pvt.	9725560649	6	2753260649	NO	Y	Y	Y	Y
40	BTD-SUNR	Limbadi	LM	Swara Hospital	Pvt.	6359108001	10	--	NO	Y	Y	Y	Y
41	BTD-SUNR	Limbadi	LM	Nishtha Hospital	Pvt.	9173194104	10	--	NO	Y	Y	Y	Y
42	BTD-SUNR	Wadhwan City	WC	Community Health Center	Govt.	02752-243961	30	02752-243961	NO	Y	N o	Y	No
43	BTD-SUNR	Wadhwan City	WC	MAHAVEER HOSPITAL	Pvt.	9825223816	48	2752234814	NO	Y	Y	Y	Y
44	BTD-SUNR	Surendranagar Gate	SRGT	C U Shah General Hospital	Govt.	02752-287001	500	-	Y	Y	Y	Y	Y
45	BTD-	Surendranagar	SRGT	M G Hospital	Govt.	02752-	115	-	Y	Y	Y	Y	Y

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	SUNR	Gate				222052							
46	BTD-SUNR	Surendranagar Gate	SRGT	C J Hospital, Devasar Chowck, Surendranagar	Govt.	02752-220882 02752-220299	130	02752-220882	Y	Y	Y	Y	Y
47	BTD-SUNR	Surendranagar Gate	SRGT	Pramukh Hospital. Old jn Road, Surendranagar	Pvt.	02752-232232		02752-232232	Y	Y	Y	Y	Y
48	BTD-GG	Jalila Road	JIL	PHC Jalila	Govt.	9712995472	7	02711-236444	Y	No	N	Y	No
49	BTD-GG	Bhimnath	BNH	PHC Bhimnath	Govt.	6360462965	6	2711239771	y	No	N	Y	No
50	BTD-GG	Dhandhuka	DCK	Civil Hospital DCK	Govt.	02713-222325	50	02713-222325	Y	Y	Y	Y	Y
51	BTD-GG	Dhandhuka	DCK	RMS Hospital	Trust	9104105437	65	9104105437	Y	Y	Y	Y	Y
52	BTD-GG	Hadala Bhal	HLB	Doctor House	Pvt.	9426392998	15	9426392998	No	No	N o	N O	No
53	BTD-GG	Koth-Gangad	KTGD	PHC	Govt.	9510138605	10		No	No	N o	Y	No
54	BTD-GG	Dholka	DOK	Community Health Center, Opp. C.J.High school	Govt.	02714-221703 7567897961	30	02714-221703	Y	Y	N o	Y	Y
55	BTD-GG	Dholka	DOK	Jivandeep Hospital	Pvt.	6384467595	42	6384467595	Y	Y	Y	Y	Y
56	BTD-GG	Dholka	DOK	Smt Santokba Gen. Hospital, Kalikund Road	Trust	9099036589	50	9099036589	No	Y	Y	Y	Y
57	BTD-GG	Dholka	DOK	Shree Kalikund Parshwnath Hosp.	Trust	02714-220045	60	02714-220045	Y	Y	Y	Y	Y
58	BTD-GG	Dholka	DOK	Sharnam Ortho Hospital	Pvt.	8000591122	25		No	Y	N O	N O	Y
59	BTD-GG	Bavla	VLA	Parekh Hospital	Pvt.	9898274105	25		Y	NO	N O	N O	Y
60	BTD-GG	Bavla	VLA	Trimurti Hospital	Trust	9173532810	60	9173532810	No	Y	Y	Y	Y
61	BTD-GG	Sarkhej	SEJ	Shrey Hospital	Pvt.	079-26824240	25	9879794447	Y	Y	Y	N o	Y
62	BTD-GG	Sarkhej	SEJ	Navjivan Hospital	Pvt.	9687051592	35	9825603794	Y	Y	Y	Y	Y
63	BTD-GG	Gandhigram	GG	Civil Hospital	Govt.	079-22683721	2040		Y	Y	Y	Y	Y
64	DLJ-MHV	Dhasa	DAS	CHC	Govt.	8238178782	4	8238178782	No	No	N o	N o	Y
65	DLJ-MHV	Damnagar	DME	Community Health Center	Govt.	8866242891 Nikul bhai Clerck at Damnagar CHC	15	8866242891	Y	Y	N o	Y	No
66	DLJ-MHV	Liliya Mota	LMO	Community Health Center	Govt.	Dr Prakash Sir 9106603713 , 8238015069	30	9427260903	Y	Y	N o	Y	No
67	DLJ-	Saverkundla	SVKD	K K Mehta	Govt.	9426287547,	81	9426287547	Y	Y	N	Y	Y

DISASTER MANAGEMENT PLAN

	MHV			Hospital,Near Old S.T.Stand		02845-242604		, 02845-22604			o		
68	DLJ-MHV	Vijpadi Road	VJD	Primary Health Center	Govt.	9428794113	2	9428794113	Y	No	N o	N o	No
69	DLJ-MHV	Rajula City	RJU	Civil Hospital	Govt.	8238015087 , 02794-222033	75	8238015087 , 02794-222033	Y	Y	N o	Y	Y
70	DLJ-MHV	Mahuva	MHV	Hanumant Hospital,By pass NH No.8-E.	Trust	02844-224444 , 9408706173 MAYUR TRIVEDI (HR Manager)	100	02844-224444 , 9408706173	Y	Y	Y	Y	Y
71	DLJ-MHV	Mahuva	MHV	Civil Hospital	Govt.	9687442434 , 02844-222431	200	9687442434	Y	Y	N o	Y	Y
72	DLJ-MHV	Mahuva	MHV	Sadbhavna Hospital,Village Vadli.	Trust	7942685910	70	7942685910	Y	Y	Y	Y	Y
73	DAS-JLR	Chital	CTL	Primary Health Center	Govt.	02792-284066	6	02792-284066	No	No	N o	Y	No
74	DAS-JLR	Kunkavav	KKV	Community Health Center	Govt.	02796-238237	30	02796-238237	Y	Y	Y	Y	
75	DAS-JLR	Vadiya	VVD	Community Health Center	Govt.	02796-273044, 8320694294	30	02796-273044 , 8320694294	Y	Y	Y	Y	Y
76	DAS-JLR	Jetpur	JTP	Civil Hospital	Govt.	02823-220111 , 02823-227072	92	02823-220111 , 02823-227072	Y	Y	Y	Y	Y
77	DAS-JLR	Jetpur	JTP	Ishwar Surgical Hospital,	Pvt.	02823-222422	10	02823-222422	No	Y	N o	Y	Y
78	DAS-JLR	Jetpur	JTP	Dr Vaghvani Hospital,	Pvt.	02823-222100	10	9409717402	No	Y	Y	Y	Y
79	DAS-JLR	Jetpur	JTP	Sidhpara Orthopedic Hospital	Pvt.	02823-222262	10	9512081547	No	Y	Y	Y	Y
80	DAS-JLR	Jetalsar	JLR	Primary Health Center	Govt.	9687675001	6	9687675001	No	No	N o	Y	Y
81	JLR-WSJ	Dhoraji	DJI	Teli Hospital	Trust	02824-223195	60	02824-223195	No	Y	Y	Y	Y
82	JLR-WSJ	Dhoraji	DJI	Civil Hospital,Galaxi Chowck	Govt.	02824-220139	50	02824-220139	Y	Y	N o	Y	Y
83	JLR-WSJ	Upleta	UA	Om Orthopedic Hospital	Pvt.	02826-220088	3	02826-220088	Y	Y	N o	Y	Y
84	JLR-WSJ	Upleta	UA	Civil Hospital	Govt.	02826-0221401, 02826-0221482	60	02826-0221401, 02826-0221482	Y	Y	Y	Y	Y
85	JLR-WSJ	Upleta	UA	Krishna Surgical Hospital	Pvt.	9898093384	10	9898093384	Y	Y	y	y	Y

DISASTER MANAGEMENT PLAN

86	JLR-WSJ	Bhayavadar	BHY	Community Health Center	Govt.	02826-274306	30	02826-274306	Y	Y	No	No	Y
87	JLR-WSJ	Bhayavadar	BHY	Ashirvad Hospital	Pvt.	02826-274894	10	02826-274894	No	No	Y	Y	Y
88	JLR-WSJ	Paneli Moti	PLM	Primary Health Center	Govt.	9727207359, 9714558664	5	9727207359, 9714558664	No	No	No	Y	Y
89	JLR-WSJ	Jamjodhpur	JDH	Community Health Center	Govt.	02898-220337	30	02898-220337	Y	Y	No	Y	Y
90	JLR-WSJ	Jamjodhpur	JDH	Manan Hospital, Harsiddhi Complex	Pvt.	9426994899	5	9426994899	No	No	No	No	No
91	KJV-VRL	Amreli	AE	Civil Hospital	Govt.	02792-222113	200	02792-222587	Y	Y	Y	Y	Y
92	KJV-VRL	Chalala	CLC	Primary Health Center	Govt.	02797-251571	6	02797-251571	Y	No	No	Y	No
93	KJV-VRL	Dhari	DARI	Ratanba Hospital, Dhari	Pvt.	02797-222194	10	94289 67594	N	Y	Y	Y	Y
94	KJV-VRL	Dhari	DARI	Primary Health Center	Govt.	02797-221114 9979881622	4	02797-221114	Y	No	No	Y	No
95	KJV-VRL	Visavadar	VSW	Community Health Center	Govt.	02873-222700 7567371524	4	02873-222221	Y	Y	No	Y	Y
96	KJV-VRL	Sasan Gir	SASG	Primary Health Center	Govt.	7567885530	5	9909395277	Y	No	No	Y	No
97	KJV-VRL	Talala	TAV	Community Health Center	Govt.	02877-222502 9687642282	30	02877-222502	Y	Y	No	Y	No
98	KJV-VRL	Talala	TAV	Bapasitaram Hospital Talal	Pvt.	9426465352	10		No	Y	No	No	No
99	VRL-DVA	Jamvala	JVL	PHC Jamvala	Govt.	6352840499	3		Y	No	No	No	No
100	VRL-DVA	Hadmatiya	HRM	PHC Hadmatiya	Govt.	7567885887	3		Y	No	No	No	N
101	VRL-DVA	Gir Gadhada	GEG	CHC Gir Gadhada	Govt.	8238047357	20		Y	Y	Y	Y	N
102	TAV-DVA	Una	UNA	Community Health Center, Stn. Road	Govt.	8320664071	30	02875-222045	Y	Y	Y	Y	Y
103	TAV-DVA	Delwada	DVA	Primary Health Center	Govt.	7567884374	6	02875-223581	Y	No	No	Y	No
104	PCC-KODR	Kodinar	KODR	Community Health Center, Somnath Chawk.	Govt.	9638416138	30	02797-221529	Y	Y	Y	Y	No
105	PCC-KODR	Kodinar	KODR	Ambuja nagar Multispecialty hospital	Trust	9106580334	70	7069360084	Y	Y	Y	Y	Y
106	VSW-JND	Bhilka	BILK	Community Health Center	Govt.	9687642272	6	9687642272	No	Y	No	No	No
107	VRL-RJT	Veraval	VRL	Govt. Hospital, Rajendra Bhavan Road.	Govt.	9998517561	150	02876-243077	Y	Y	Y	Y	No

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108	VRL-RJT	Veraval	VRL	IG, Memorial Hospital Veraval	Pvt.	8347184297	25	-	No	No	Y	Y	No
109	VRL-RJT	Veraval	VRL	VIMS Hospital	Trust	9510514837	10	-	Y	Y	Y	Y	Y
110	VRL-RJT	Veraval	VRL	Thakkar Surgical Hospital, Sotta Bajar	Pvt.	02876-221771	10	02876-221771	N	No	N _o	N _o	Y
111	VRL-RJT	Veraval	VRL	Sajivani Multispecialty Hospital, Blood Bank Road, VRL	Pvt.	02876-244424	25	02876-244424	No	Y	Y	Y	No
112	VRL-RJT	Veraval	VRL	Aditya Birla Hospital, Rayon Housing Soc, VRL	Trust	02876-240015	32	02876-240016	Y	Y	Y	Y	Y
113	VRL-SMNH	Somnath	SMNH	CHC, P. Patan Somnath	Govt.	9409246900	25	02876-231852	Y	Y	Y		N
114	VRL-RJT	Adri Road	ADE	Primary Health Center	Govt.	8980030116	10	02870-282735	Y	No	N _o	Y	No
115	VRL-RJT	Maliya Hatina	MLHA	Community Health Center, Station Road	Govt.	02870-222278	30	02870-222278	Y	Y	Y	Y	No
116	VRL-RJT	Keshod	KSD	Community Health Center	Govt.	02871-236339	50	9427496700	Y	Y	Y	Y	Y
117	VRL-RJT	Lushala	LAL	Primary Health Center, Thana pipali	Govt.	9313104801	5	7567884214	No	Y	N _o	N _o	Y
118	VRL-RJT	Shahpur	SHH	Primary Health Center, Near Darbar Gate.	Govt.	7984971202 02872-222192	5	7567884213	No	Y	N _o	N _o	Y
119	VRL-RJT	Junagadh Jn	JND	Civil Hospital, near Majevari gate junagadh.	Govt.	8128986104	695	0285-2960120	Y	Y	Y	Y	Y
120	VRL-RJT	Junagadh Jn	JND	Hatkes Health care Hospital	Trust	0285-2653652	57	9429004304	y	Y	Y	Y	Y
121	VRL-RJT	Junagadh Jn	JND	Chikhaliya Surgical Hospital, Nr. S.T. Bus Stand.	Pvt.	0285-2631731	10	0285-2631731	Y	Y	Y	Y	Y
122	VRL-RJT	Vadal	VAL	Primary Health Center	Govt.	7567884907	4	0285-2680541	No	No	N _o	N _o	Y
123	VRL-RJT	Jetalsar	JLR	Primary Health Center	Govt.	9687675001	6	9687675001	No	No	N _o	Y	Y
124	VRL-RJT	Virpur	VRR	Community Health Center	Govt.	9428282321	30	02823-281416	Y	Y	N _o	Y	No
125	VRL-RJT	Gomta	GTT	Primary Health Center	Govt.	9925922580	2	9925922580	Y	No	N _o	N _o	No
126	VRL-RJT	Gondal	GDL	Civil Hospital, Gondal	Govt.	02825-220031	50	02825-220031	Y	Y	Y	Y	Y
127	VRL-RJT	Gondal	GDL	Shriram Sarvajani Hospital	Trust	02825-227755	120	2825-227755	Y	Y	Y	Y	Y
128	VRL-RJT	Gondal	GDL	Jogi Surgical Hospital	Pvt.	9173763482	16	9173763482	Y	Y	N _o	N _o	Y
129	VRL-RJT	Ribda	RBR	Community Health Center, Kotda Sangani	Govt.	9033249288 / 7567876160	30	02827-276236	Y	Y	N _o	Y	No
130	VRL-RJT	Bhaktinagar	BKNG	Civil Hospital Rajkot	Govt.	0281-2471118	400	0281-2471118	Y	Y	Y	Y	Y
131	PBR-KNLS	Porbandar	PBR	Bhavsinghji Civil Hospital, Chopati Road	Govt.	0286-2242910	241	0286-2242910	Y	Y	Y	Y	Y

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						0286-2240923							
132	PBR-KNLS	Porbandar	PBR	Asha Children Hospital,Near DSP office	Trust	0286-2210522 0286-224691	50	9537340100	Y	Y	Y	Y	Y
133	PBR-KNLS	Porbandar	PBR	Global Multispeciality Hospital, Porbandar	Pvt.	0286-2249978	60	8238810108	Y	Y	Y	Y	Y
134	PBR-KNLS	Porbandar	PBR	Hope Hospital, Porbandar	Pvt.	9974250989	26	9974250989	Y	Y	Y	Y	Y
135	PBR-KNLS	Porbandar	PBR	M K Thakkar Hosp.,Op.Paradise Talkies	Trust	0286-2243819 0286-2251313	45	8980009620	Y	Y	Y	Y	Y
136	PBR-KNLS	Porbandar	PBR	Dhamecha Hospital	Pvt.	0286-2243336 0286-2249613	34	9898720103	No	Y	Y	Y	No
137	PBR-KNLS	Porbandar	PBR	Global Hospital	Pvt.	0286-2249976 0286-2212108	60	8238244108	Y	Y	Y	Y	Y
138	PBR-KNLS	Ranavav	RWO	Community Health Center,Near Post office	Govt.	02801-230641	30	02801-230641	Y	Y	No	Y	Y
139	PBR-KNLS	Wansjaliya Jn	WSJ	Primary Health Center,Station Road	Govt.	8238244108	4	02898-260058	No	No	No	No	No
140	PBR-KNLS	Bhanwad	BNVD	Community Health Center	Govt.	02896-232085	30	8264387493	Y	Y	Y	Y	Y
141	PBR-KNLS	Lalpur Jam	LPJ	G. G. Hospital , Jamnagar	Govt.	0288-2553187 0288-2554629	1394	9375962193	Y	Y	Y	Y	Y
142	PBR-KNLS	Lalpur Jam	LPJ	Community Health Center	Govt.		5	9737533108	Y	Y	No	Y	No
143	PBR-KNLS	Jamjodhpur	JDH	CHC Jamjodhpur	Govt.	02898-220337	30	9408512345	Y	Y	Y	No	Y

10.6 LIST OF BLOOD BANKS

SN	Station	Name/Location of Blood Banks	STD Code	Phone No.	Mobile No.
1	Ahmedabad	Indian Red Cross Society, Ahmedabad Address: Shri Kiran Chudgar Road, Red Cross Shatabdi Bhavan, Navrang Circle to Statdium Road, Navrangpura, Ahemdabad	79	26651833 26650855	9099917781
2	Ahmedabad	Prathma Blood Centre, Ahmedabad Address: B/H Jivraj Mehta Hospital, Near Lavanya Society, Dr. C.V. Raman Marg, Vasna, Ahmedabad - 380007	79	26600101	9824040597 9879608641
3	Ahmedabad	Dept. of IHBT, Civil Hospital, Ahmedabad Address: B-Block ,2nd Floor, Woman Child &	79	22683721	9825097675

DISASTER MANAGEMENT PLAN

		Superspeciality Hospital, C/o.The Civil Hospital, B.J.Medical College, Asarwa, Ahmedabad- 380016			
4	Ahmedabad	Blood Centre, GMERS Medical College & General Hospital, Address: B-Block, First Floor, General Hospital, Sola Ahmedabad -380051	79	27664349 27432584 27474359	9725327369 9099950608
5	Ahmedabad	Sarvodaya Charitable Trust blood Centre, Ahmedabad Address: Mile Stone Building, 1st Floor, Nr. Drive IN Cinema, Opp. T. V. Tower, Thaltej, Ahmedabad- 380054	79	400558958	9825023700
6	Ahmedabad	L.G. Hospital Blood Centre, Maninagar Address: Sheth L.G. General Hospital & Blood Centre, First Floor, New Building, Maninagar, Ahmedabad - 380008	79	25461380 25461384	7567802565 9924810852
7	Ahmedabad	V.S. Hospital, Ahmedabad Address: Blood Centre C/o Sheth V.S. General Hospital, Ellisbridge, Ahmedabad - 380006	79	26577621	9328075500
8	Amreli	Indian Red Cross Society,Amreli Address: Mahatma Muldas Red Cross Bhavan, Civil hospital Campus, Amreli	2792	2230341	9662532828
9	Amreli	Shantabaa Medical College & General Hospital Blood Centre, Amreli Address: Shantabaa Medical College & General Hospital Blood Centre, Above Trauma Center, 1st floor, General Hospital Campus, Amreli - 365601	2792	232223	9978554009
10	Bhavnagar	Blood Centre, Sir T. General Hospital Address: Jail Road, Bhavnagar-364001	278	2423250	9428106604
11	Bhavnagar	Indian Red Cross Society, Bhavnagar Address: Diwanpara, Bhavnagar	278	243 0700	98255566642
12	Bhavnagar	Bambhaniya Voluntary Blood Centre, Bhavnagar Address: Trade Centre, Kalanala Circle, Bhavnagar - 364001	278	2224744	9824237777
13	Bhavnagar	Bhavnagar Blood Centre, Bhavnagar Address: Office No. 1,2,3 - Plot No. 1686, B-wing, 1st Floor, Municipal Commercial Complex, Sardar Nagar Circle, Sardarnagar Bhavnagar - 364001	278	2561526 2565663 2425668	8141545691 9909993206 9825231755
14	Botad	Smt. Sonalien A. Shah Blood Centre, Omkar Paramedical Trust, Botad Address: 2nd Floor, Patel Chamber, Paliad Road, Botad, Dist: Botad - 364710	2849	255361	9824861800
15	Mahuva	Blood Centre Navkar Charitable Trust, Mahuva Address: Opp.Nagrik Centre, Vasi Talav, Mahuva - 364290 Dist : Bhavnagar-364290	2844	224465	9824393509
16	Veraval	Navjeevan Blood Centre & Clinical Laboratory, Veraval Address: Navjeevan Blood Centre & Clinical Laboratory, Lilashah Shopping Centre, First Floor, Nr. Bus Station, Veraval - 362266			9824326100 9428575353
17	Veraval	Indian Red Cross Society, Veraval Address: Red Cross Bhavan, Gitanagar, Junagadh Road, Veraval			9825081113
18	Una	Divyajyoti Charitable Voulantary Blood Centre, Una Address: Divyajyoti Charitable Voulantary Blood Centre. Varsing pur road, B/H Jalaramvadi, Una, Dist. Gir Somnath - 362560	2875	224236	9737734563 9426713855
19	Junagadh	Blood Centre, GMERS Medical College and Hospital,			9099374313

DISASTER MANAGEMENT PLAN

		Junagadh Address: GMERS Medical College and Hospital, 5th Floor, Nr. Majewadi Gate, Junagadh -362001			
20	Junagadh	Shri Jivanprakash Foundation Voluntary Blood Centre, Junagadh Address: Vikram Commercial Complex, Sardar Baug Road, Junagadh-362001	285	2630672	9825221122 9737221122
21	Junagadh	Navdeep Charitable Trust & Voluntary Blood Centre, Junagadh Address: Sankalp Complex, First Floor, S.T. Road, Opp Dr. Chikkhalia Hospital, Junagadh - 362001	285	2631127	9825366141
22	Jamnagar	Blood Centre, The M.P.Shah Medical College & Guru Govindsinh Hospital, Jamnagar Address: The M.P.Shah Medical College & Guru Govindsinh Hospital, Jamnagar-361008			9824241055 9824336383
23	Porbandar	Blood Centre, Bhavsinhji General Hospital, Porbandar Address: Blood Centre, Bhavsinhji General Hospital, Porbandar - 360575			9979882775
24	Porbandar	Asha Blood Bank, Porbandar Address: Shree Ashwin Bharaniya Charity Foundation, (Aasha Children Hospital & Blood Centre, Near New Fountain, Opp. D.S.P. Office, Porbandar - 360575			9428436749 9537621313 9536621313
25	Porbandar	Shree Ram Blood Bank, Porbandar Address: Shree Ram Blood Centre, Star Compound, M.G. Road, Porbandar - 360575			9328809009 9427426099
26	Jetpur	Dev Life Blood Centre, Jetpur Address: Nathani Charitable Trust - Dev Life Blood Centre, Shivam Complex, 3rd Floor, Opp. Shreenathji Tower, Junagadh Road, Jetpur, Rajkot			8320441494
27	Jamnagar	Saraswati Voluntary Blood Centre, Jamnagar Address: Saraswati Memorial Trust, Saraswati Voluntary Blood Centre, City Survey No.91, & 95, Plot No.C9, Sheet No.H/1, Nr. S.T.Bus Stand, Sat Rasta,, Jamnagar			9427394858 9773031306
28	Rajkot	Blood Centre, PDU Hospital & Medical College, Rajkot Address: Room No. 6, Ground Floor, New OPD Building, PDU Hospital and Medical College, Jamnagar road, Rajkot-360001	281	2450385	9825389050 9825416609
29	Rajkot	Life Blood Centre (Formerly Rajkot Voluntary Blood Bank), Rajkot Address: 24- Vijay plot, Samir Dholakiya Marg, Malaviya Road, Rajkot-360 002	281	2234242 2234243	9825314831 8866820949 9428277347
30	Rajkot	Indian Red Cross Society, Rajkot Address: Red Cross Blood Bank, Red Cross Building, 1st Floor, Suchak Road, Nr. Kundaliya College, Rajkot	281	2466260	9825270442
31	Rajkot	Nathani Voluntary Blood Centre, Rajkot Address: 11, Tejash Building, 20/22, New Janpath Plot, Rajkot - 360005			9638700111 9825912518
32	Gondal	Aastha Voluntary Blood Centre, Gondal Address: Aastha Medical and Education Charitable Trust Aastha Voluntary Blood Centre, Old Market Yard, Opp. Bus Station, ICICI Centre Building, Ta. Gondal Dist. Rajkot - 360330	281	2227412	9879531616
33	Rajkot	Smt. S.C.Patel Field Marshal Blood Centre, Rajkot Address: (Previously known as Nationality Development Foundation Blood Centre) Medicare, 3rd Floor,	281	2480043	9825547459

DISASTER MANAGEMENT PLAN

		Vidyanagar Main Road, Rajkot-360002			
34	Surendranagar	Blood Centre, C.U. Shah Medical College & General Hospital, Dudhrej road, Surendranagar Address: Blood Centre, C.U. Shah Medical College & General Hospital, Dudhrej road, Surendranagar - 363001	2752	287041 287042	
35	Surendranagar	Blood Centre, Mahatama Gandhi Smarak General Hospital, Surendranagar Address: Mahatama Gandhi Smarak General Hospital, Surendranagar - 363001	2752	222052	
36	Surendranagar	Life Line Blood Bank Address: Plot no. 2&13, 1st and 2nd floor, beside dr. kharod surgical hospital, opp. doctor house, bus stand road, surendranagar	2752	220000	9979072328 9824291149

10.7 MILITARY ORGANIZATION

Sr.	Organization	Station	Location	STD Code	PNT No.
1	NCC	Ahmedabad	NCC GROUP HQ AHMEDABAD, Near Law Garden, Ellis Bridge, Ahmedabad.	079	26403813, 26404367
	NCC	Rajkot	NCC Group Headquarters Rajkot, DH College Campus, Rama Krishan Nagar, Rajkot, Gujarat - 360001	0281	2466250, 2466251
	NCC	Rajkot	2 Guj Bn NCC, Rajkot	0281	2466591
	NCC	Rajkot	2 Guj Girls Bn NCC, Rajkot	0281	2460480
	NCC	Jamnagar	NCC Group Headquarters Jamnagar,	0288	2551532
	NCC	Jamnagar	27 Guj Bn NCC, Jamnagar	0288	2560039
	NCC	Jamnagar	8 Guj Naval Unit NCC, Jamnagar	0288	2751528
	NCC	Jamnagar	Sainik School Coy NCC, Balachadi, Jamnagar	02893	246226
	NCC	Porbandar	4 Guj Naval Unit NCC, Porbandar	0286	2252101
	NCC	Veraval	7 Guj Naval Unit NCC, Veraval	02876	244833, 244822
	NCC	Junagadh	8 Guj Bn NCC, Junagadh	0285	2620009
	NCC	Bhavnagar	6 Guj Bn NCC, Bhavnagar	0278	2424995
	NCC	Bhavnagar	3 Guj Girls Bn NCC, Ranjit Niwas, Atabhai Road, Bhavnagar.	0278	2565336, 2565988
	NCC	Bhavnagar	3 Guj Air Sqn NCC, Crescent Building, Plot No. 608-B, 2nd Floor, Krishnanagar, Bhavnagar	0278	2516893
	NCC	Bhavnagar	3 Guj. Naval Unit NCC, Vegawadi Road, Bhavnagar	0278	2565396
	NCC	Surendranagar	26 Guj Bn NCC, Surendranagar	02752	222751
2	MCO Commandant	Jamnagar	Railway Station Rajkot	0288	2756908
3	MCO Commandant	Ahmedabad	Railway Station Ahmedabad	079	22160567

10.8 PARA- MILITARY ORGANIZATION

Sr.	Organization	Station Code	Location	STD Code	PNT No.	Mobile No.

1	RPF (ASC/BVP Commandant along with 20 RPF Staff)	BVP	DSC Office Bhavnagar Para	0278	2445620	9724097700 (DSC) 9724097702 (ASC)
2	NDRF (Commandant 6th Bn. NDRF)	BRC	6th Bn NDRF, Jarod Camp, Teh- Wagodia, Vadodara, Pin - 391510	02668	299201	9429199493 (WhatsApp) 9870006730

10.9 BOMB DETECTION SQUAD, PETROLEUM DEPOT

Sr.	Organization	Station	Location	STD Code	PNT No.	Mobile No.
1	RPF (IPF/CW incharge along with 02 staff of BDDS Team., 02 staff of Dog sqd and 04 staff of Crime Wing)	W/S BVP	Work Shop Bhavnagar Para	0278	2443463	9724097710
2	Bomb Detection Squad City Police	Bhavnagar	Bhavnagar	-	-	8487976330

10.10 LIST OF ROAD TRANSPORT PROVIDERS

SN	Station	Name of Firm	STD Code	PNT No.	Mobile No.
Bhavnagar Division					
1	Bhavnagar	Bus Station	0278	2424147	6359918406
2	Shihor	Control Point	02846	222174	
3	Botad	Bus Station	02849	251420	6359918409
4	Gadhda	Bus Station	02847	253556	6359918415
5	Dhasa	Control Point	02847	233044	
6	Gariyadhar	Bus Station	02843	250055	6359918412
7	Mahuva	Bus Station	02844	222217	6359918418
8	Palitana	Bus Station	02848	252250, 252168	6359918421
Ahmedabad Division					
1	Ahmedabad	Central Bus Station	079	25463409	6359918294
2	Ahmedabad	Central Bus Station	079	25463382	
3	Ahmedabad	Paldi Bus Station	079	26589279	
4	Dhandhuka	Bus Station	02713	223045	6359918285
5	Bavla	Bus Station	02714	232827	6359918276
6	Dholka	ST Depot	02714	221707	6359918288
7	Sanand	Bus Station	02717	222049	
8	Viramgam	Bus Station	02715	233233	
Amreli Division					
1	Amreli	Bus Station	02792	222158	6359918316
2	Lathi	Control Point	02793	251050	
3	Chalala	Control Point	02797	251560	

DISASTER MANAGEMENT PLAN

4	Damnagar	Control Point	02793	222225	
5	Savarkundla	Control Point	02845	222626	6359918331
6	Dhari	Bus Station	02797	225040	6359918322
7	Una	Bus Station	02875	221600	6359918334
8	Girgadhada	Control Point	02875	243220	
9	Rajula	Bus Station	02794	222070	6359918328
Junagadh Division					
1	Junagadh	Bus Station	0285	2630303	6359918573
2	Visavadar	Control Point	02873	222081	
3	Mendarda	Control Point	02872	241330	
4	Bilkha	Control Point	0285	2683002	
5	Porbandar	Bus Station	0286	2240959	6359918582
6	Ranavav	Control Point	02801	230714	
7	Veraval	Bus Station	02876	221666	6359918588
8	Somnath	Control Point	02876	231886	
9	Talala	Control Point	02877	222353	
10	Upleta	Bus Station	02826	221449	6359918585
11	Bhayavadar	Control Point	02826	274480	
12	Keshod	Bus Station	02871	236016, 236303	6359918576
13	Maliya Hatina	Control Point	02870	222238	
14	Vanthli	Control Point	02872	222084	
15	Dhoraji	Bus Station	02824	221845, 220634	6359918567
16	Chorvad	Control Point	02870	288200	
17	Jetpur	Bus Station	02823	220116	6359918570
Rajkot Division					
1	Rajkot	Bus Port - 1	02812	235025	6359918736
2	Rajkot	Bus Port - 2	02812	235026	
3	Gondal	Bus Station	02825	220296	6359918724
4	Virpur	Control Point	02823	281539	
5	Jasdan	Bus Station	02821	220220	6359918727
6	Aatkot	Control Point	02821	288722	
7	Limbdi	Bus Station	02753	296183	6359918730
8	Chotila	Bus Station	02751	280313	
9	Dhrangadhra	Bus Station	02754	226954	
10	Wankaner	Bus Station	02828	220558	
11	Surendranagar	Bus Station	02752	221152	6359918739
Jamnagar Division					
1	Jamnagar	Bus Station	0288	2550270	6359918548
2	Khambhliya	Bus Station	02833	234772	6359918551
3	Dwarka	Bus Station	02892	234204	6359918542
4	Dhrol	Bus Station	02897	222030	6359918539
5	Jamjodhpur	Bus Station	02898	220098	6359918545
6	Lalpur	Control Point	02895	273545	
7	Bhanvad	Control Point	02896	232401	

10.11 JCB MACHINES, TRUCKS, BULLDOZERS AND CRANE PROVIDERS

Sr.	Station	Name of Firm	Mobile No.	Equipment available				
				JCB	Truck	Bulldozer	Crane	Poclain
1	DELWADA	Bharatbhai	9737177953	Yes	-	-	-	-
2	DELWADA	Vinodbhai	9537158582	-	-	-	Yes	-
3	UNA	Vinodbhai Ram	9624411874	Yes	-	-	-	-
4	UNA	Pravinbhai	8347218552	Yes	-	-	-	-
5	PRACHI ROAD	Parbatbhai	98242 97515	Yes	-	-	-	-
6	PRACHI ROAD	Imaran Bhai	6351022646	Yes	-	-	-	-
7	TALALA	Govindbhai Patat	9909311634	Yes	-	-	-	-
8	TALALA	Ramesh Bhai	9427424131	Yes	Yes	Yes	-	-
9	JAMVALA	Hasmukhbhai Khunt	9724184282	Yes	-	-	-	-
10	JAMVALA	Jaydipbhai Vekariya	92650 92407	Yes	-	-	-	-
11	JAMVALA	Bhopa Bhai	9724184282	Yes	Yes	-	-	-
12	GIR GADHADA	Vanrajbhai	9824555921	Yes	-	-	-	-
13	BILKHA	Deep Bhai	9925334873	Yes	-	-	-	-
14	VISAVDAR	Raju Bhai	9879387719	Yes	-	-	-	-
15	VISAVDAR	Umesh Dafda	9586544203	Yes	-	-	-	-
16	BAVLA	DANLAXMI	8264109626	-	-	--	YES	YES
17	BAVLA	Ekta transport	9824846148	-	Yes	-	-	-
18	DHOLKA	AMIN JCB	9825010119	YES	---	-----	----	
19	DHOLKA	POLCAIN SERVICE	9016544706	YES	Yes	-----	---	YES
20	DHANDHUKA	Imran Miya	9898209798	YES			YES	
21	BOTAD	Jetha Bhai	9898209198, 8320304971	Yes	Yes	Yes	Yes	No
22	BOTAD	Imran Miya	9898209798	YES			YES	
23	KUNDLI	Raviraj	9979292236	Yes	-	-	-	-
24	RANPUR	Raviraj	9979292236	Yes	-	-	-	-
25	CHUDA	Jogi Krupa Enterprise	9016028129	Yes	-	-	-	-
26	LIMDI	Jogi Krupa Enterprise	9016028129	Yes	-	-	-	-
27	WADHWAN CITY	Jogi Krupa Enterprise	9016028129	Yes	-	-	-	-
28	DHOLA JUNCTION	Krishna Construction (Contractor – Munnabhai)	8849752867	Yes JCB / Hydra	-	-	-	-
29	DHASA JUNCTION	Krishna Construction (Contractor – Munnabhai)	8849752867	Yes JCB / Hydra	-	-	-	-
30	SAVARKUNDLA	Krishna Construction (Contractor – Munnabhai)	8849752867	Yes JCB / Hydra	-	-	-	-
31	MAHUVA	PERFECT CRANE	9510288352	Yes		Yes	Yes	
32	CHITAL	Gurunanak Hydra	8382016116	Yes (Hydra)	-----	-----	Yes	-----
33	JETPUR	Crane Service	9824232195	-	-	-	Yes	-
34	JETALSAR	JCB & Crane Service	9824219148	Yes	-----	-----	Yes	-----
35	VADAL (CHOKI)	Jeet Bhai	7046942395	Yes	-	-	-	-
36	JUNAGADH	Nilesh Bhai	8200551171	Yes	-	-	-	Yes
37	JUNAGADH	Deepbhai	9925334873	Yes				
38	JUNAGADH	Rajubhai	9879387719	Yes				
39	JUNAGADH	Umeshbhai	9586544203	Yes				
40	JUNAGADH	Jeetbhai	7046942395	Yes				
41	JUNAGADH	Bhima Haier	9712710982	Yes				
42	SHAPUR (SHH)	Bhima Ahir	9712710982	Yes	-	-	-	-

43	CHORVAD RAOD	Munna Bhai	9714519133	Yes	Yes	-	-	-
44	VERAVAL	Rahul Bhai	7016970229	Yes	Yes	Yes	-	-
45	VERAVAL	Hitesh.S.	9427503211	Yes	Yes	-	=-	Yes
46	VERAVAL	Vinod Bhai	9106521229	Yes	Yes			
47	PORBANDAR	RAJESH KUCHDIYA	9106067839	Yes	Yes	Yes	Yes	-
48	PORBANDAR	Kiritsinh Babu	9327801503	Yes	-	-	-	-
49	UPLETA	Vinyu Bhai.	9913983745	Yes	-	-	-	-
50	UPLETA	Bhagwati T.	9427565821	-	Yes	-	-	-
51	UPLETA	Arjun Bhai. B	9427565821	-	Yes	-	-	-
52	GONDAL	Rahish Bhai	6352418482	YES	-	-	YES	-
53	GONDAL	Kanak Sinh Parmar	9724185305	YES	YES	-	-	-

10.12 PRESS MEDIA

SN	Name of Paper / Publication	Representative	Mobile No./ Email ID
1	Gujarat Samachar	Shri Jayesh Sukla	8799236070 & 9408303151
2	Sandesh	Shri Vishal Mehta	9712593177 & 6355743404
3	Saurashtra Samachar (Divya Bhaskar Group)	Shri Mehboob Kureshi	9374254994 mahebubkureshi@gmail.com
4	Gujarat Vaibhav	Shri Suresh Trivedi, Hitesh Solanki	7016739080 & 9426272090, 9898527818
5	Rajasthan Patrika	Shri Rajesh Bhatnagar	9898098755 & 9057531212
6	Indian Express	Shri Gopal Katisia, Or Shri Alpesh Dabhi	9429502871 & 9773229269, 90338 46554
7	Bhavnagar Express	Shri Hiren bhai Mandaliya	7878555598
8	Gujarat Samachar	Bhavnagar	0278-2430555 gsbhavnagar@gmail.com
9	Gujarat Samachar	Rajkot	0281 - 2226954, 2227303, 2225180, 2226180 gujaratpatra@gmail.com
10	Gujarat Samachar	Ahmedabad	079-25508001/2/3/4, 25504060 gsadvertise@yahoo.com , gs.adrec@gmail.com
11	Sandesh	Bhavnagar	-
12	Lokraj Dainik	Bhavnagar	9978227463
13	Fulchhab	Bhavnagar	9879606166
14	Sanj Samachar	Bhavnagar	8758907415

10.13 ELECTRONIC MEDIA

SN	Name of MEDIA	Representative	Mobile No./ E-mail ID
1	Confirm News	Shri Hitesh Rathod	9925445773
2	ANI	Shri Nanu Chudasama	7990942125
3	Connect Gujarat / Mantavya News / NDTV India / SB Gujarat	Shri Hiren V Chauhan	9104123404

4	News 18 Gujarati	Shri Nitin Gohil	9375888666
5	Sandesh News	Shri Mayur Dave	8734834848
6	Zee News24	Shri Navneet Dalvadi	9824221015
7	ABP Asmita	Shri Kunal Barad	8672063300
8	Bhavnagar Express	Shri Hiren bhai Mandaliya	7878555598
9	E TV Bharat	Shri Chirag Trivedi	8780172482
10	GTPL / Doordarshan / PIB / Republic Bharat / Times Navbharat	Shri Ketan Soni Rajpura	9426937053
11	The Gandhinagar news (GN NEWS)	Shri Arvind Bhatti	9427181920
12	GA Channel	Shri Ashwin Gohel	9904802802
13	Gujarat First	Shri Kunal Barad (Senior Correspondent) Shri Vijay Jadav (Cameraman)	8672063300 9998468002
14	Galaxy Media	Bharat Bhai Vyas- Chairman	9898110125
15	City News	Mehul Bhai Joshi	9408547776
16	ShowTime	Dilip Ojha	9925031212, 8734945051
17	Saurashtra Channel	Suresh Bhai Trivedi Director	9898005900
18	Saurashtra Channel	Hitesh Joshi- Editor)	9427749011
19	Satya Media	Sumit Thakkar	9825566642
20	City Watch News	Hiren Bhai N Ravaiya	9825143525
21	City Watch News	Bhavesh Bhai M Dave	9825212110

MEDIA PERSONS: BHAVNAGAR

BHAVNAGAR			
Sr. No.	Name of Media Person	Name of Newspaper/ Channel	Contact No./ E-mail ID
1	Manish Dabhi	Lok sanskar Newspaper	8460883002 loksansardailynews@gmail.com
2.	Vipul Bhai Hirani, Reporter	Sanj Samachar, Jai Hind Dainik	9427753312 9824287416, 8758907415 vhirani28@gmail.com
3	Suresh N Trivedi	Gujarat Vaibhav, Aakashvani, DD National, Saurashtra Channel	9426272090, 9898005900, 0278-2205559 sureshtrivedi.7171@yahoo.com
4	Shreyas Shantilal Shah, Editor	Gujarat Samachar Newspaper	0278-2430555, 9898323378
5	Kalpesh Hadiyal	Gujarat Samachar	9898696455
6	Kishan Astik	Aajkaal	9426261095
7	Jatin Sanghvi	Aajkaal	9374421010
8	Narendra Bhai Chudasama, Editor	Saurashtra Aas pass	9428996900
9	Bakulbhai Chaturvedi	News Fulchhab	9879606166
10	Navnit Dalvadi	Zee 24 kalak	9824221015, 8401838083

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11	Vishal Mehta	News Sandesh Samachar	97125 93177
12	Shri Jayvant Bhatt	News Sandesh Samachar	99244040604
13	Chirag Trivedi	News E TV Bharat	8780172482, 8460173878
14	Ajay Baraiya	Gujarat Samachar Bhavnagar	0278430555, 9898323378 gsbhavnagar@gmail.com
15	Jayesh Shukla	Gujarat Samachar Bhavnagar	9408303151 editorial.bhavnagar@sandesh.com
16	Shri TarakBhai Shah	Saurashtra Samachar	9426266377 ssamachar@gmail.com
17	Shri Mehboob Kureshi	Saurashtra Samachar/ Divya bhaskar	93742 54994
18	Shri Ketan Soni Rajpura	Doordarshan and GTPL News Channel	9426937053
AHMEDABAD			
1	Shri Hariom Solanki- News reporter	Sandesh news paper	9825721194
2	shri Krunal Somani- News reporter	Gujarat Samachar & Divya Bhaskar news paper	7600075202
3	Shri Pushpendra Singh Rajput (Ahemdabad - ADI)	Rajasthan Patrika	97235 27506 puspendra.rp@gmail.com
AMRELI			
1	Dilip Rawal	Divya Bhaskar	9825043526
2	Yogesh Bhai	Sandesh	9726744376
3	Prakash Bhai Candarana	Gujarat Samachar	9638530450
4	Ashok Bhai Kabari (Rajula)	Rajula News	9723985523
5	Bhupat Bhai Joshi (Rajula)	Gujarat Samachar	9824361954
6	Gopal Bhai Rathod (Rajula)	Saurashtra Samachar & Sanjog News	7600011033
7	Anil Bhai Trivedi	Sidhi Baat Bedhadak & Divya Bhaskar	8690158849
PORBANDAR			
1	Nipul kumar Popat	Sandesh News	9924187383
JUNAGADH			
1	Bhagirath Bhai	Gujarat Samachar	0285-2620521
2	Dhirubhai Purohit	Sandesh News paper	9426213750
3	Bipin Pandya	PTI-Junagadh	9725563090
4	Kalpesh Pandya	DD Girnar Channel	9537101201
VERAVAL			
1	Dilip Mori	ABP News	9726866067
2	Rahul Bhai Kariya	Divya Bhaskar	8238217777
RAJKOT			
1	Rajkot Office	Sandesh News Paper	0281-2446627
2	Mrs. Diptiben Jani, Rajkot Office	Akila Newspaper	0281-2445354/2445111, 9825266888,
JAMNAGAR			

1	Paras Saholiya	AAJKAL Newspaper	9824893262
2	Imran Gadhkai (Bhanvad)	Sandesh News TV Channel	9725117373
3	Chirag Kanabar (Jamjodhpur)	Sandesh	9825522215
4	Babu Bhai Pathar (Jamjodhpur)	Gujarat Samachar	9428569202

10.14 LIST OF FIRE BRIGADES

Sr	Station	Firm/ Agency	STD Code	Telephone Number		Water Tank	Other Equipment
				Landline	Mobile		
1	Gandhigram	Fire Brigade	079	27910203, 22148466 to 68,	9327038758	Yes	-
2	Bavla	Fire Brigade	-	-	9274365336, 9724647653	Yes	-
3	Dholka	Fire Brigade	02714	222318	7984176878	Yes	-
4	Dhandhuka	Fire Brigade	-	-	9537106670	Yes	-
5	Wadhvan City	Fire Brigade	02752	282250	-	Yes	-
6	Limbdi	Fire Brigade	02753	260101	7069004161	Yes	-
7	Botad	Fire Brigade	02849	252420	9512100101	Yes	-
8	Sihor Junction	Fire Brigade	02846	222057	8128210805	Yes	-
9	Palitana	Fire Brigade	-	-	9426271771	Yes	-
10	Bhavnagar	Fire Brigade	0278	2424814, 2424815	6357999101, 6357999100	Yes	-
11	Amreli	Fire Brigade	02792	223592	-	Yes	-
12	Savarkundla	Fire Brigade	02845	242629	6353339465	Yes	-
13	Jetpur	Fire Brigade	02823	220042	9265114002	Yes	-
14	Junagadh	Fire Brigade	0285	2620841	101	Yes	-
15	Keshod	Fire Brigade	02871	236018	8469730101	Yes	-
16	Veraval	Fire Brigade	02876	220101	-	Yes	-
17	Dhoraji	Fire Brigade	02824	221901	-	Yes	-
18	Upleta	Fire Brigade	02826	221240	-	Yes	-
19	LalpurJam	Fire Brigade	0288	2672208	9879531101	Yes	-
20	Bhanvad	Fire Brigade	02896	232159	7046465432	Yes	-
21	Porbandar	Fire Brigade	0286	2249850	101	Yes	-
22	Gondal	Fire Brigade	02825	220101	8000976310	Yes	-
23	Savarkundla	Fire Brigade	02845	242629	6353339465	Yes	-

24	Mahuva	Fire Brigade	02844	222250	-	Yes	-
25	Una	Fire Brigade	02875	222220	7046304616	Yes	-

10.15 TELEPHONE NO. & LOCATION OF ART/ARMVT CRANE OVER AHMEDABAD

Sr	Division	Station	ART/ ARMV	Class	Crane	In-Charge Designation	Mobile No.	Railway Phone No.	Exit Single/ Double
1	BVP	BVC	ART	A	--	SSE(ART)	9724097442	-	Double
2		BVC	SPARME	-	--			-	Double
3		VRL(MG)	ART	B	--	SSE(C&W)	9724047547	-	Single
4			ARME	Scale-I	--			-	Single
5		PBR	SPARME	-	--	JE(C&W)	9274693741	-	Single

WESTERN RAILWAY
Mech. Branch.
Sketch not to scale

LEKHRAJ LODHA

12.12.2025

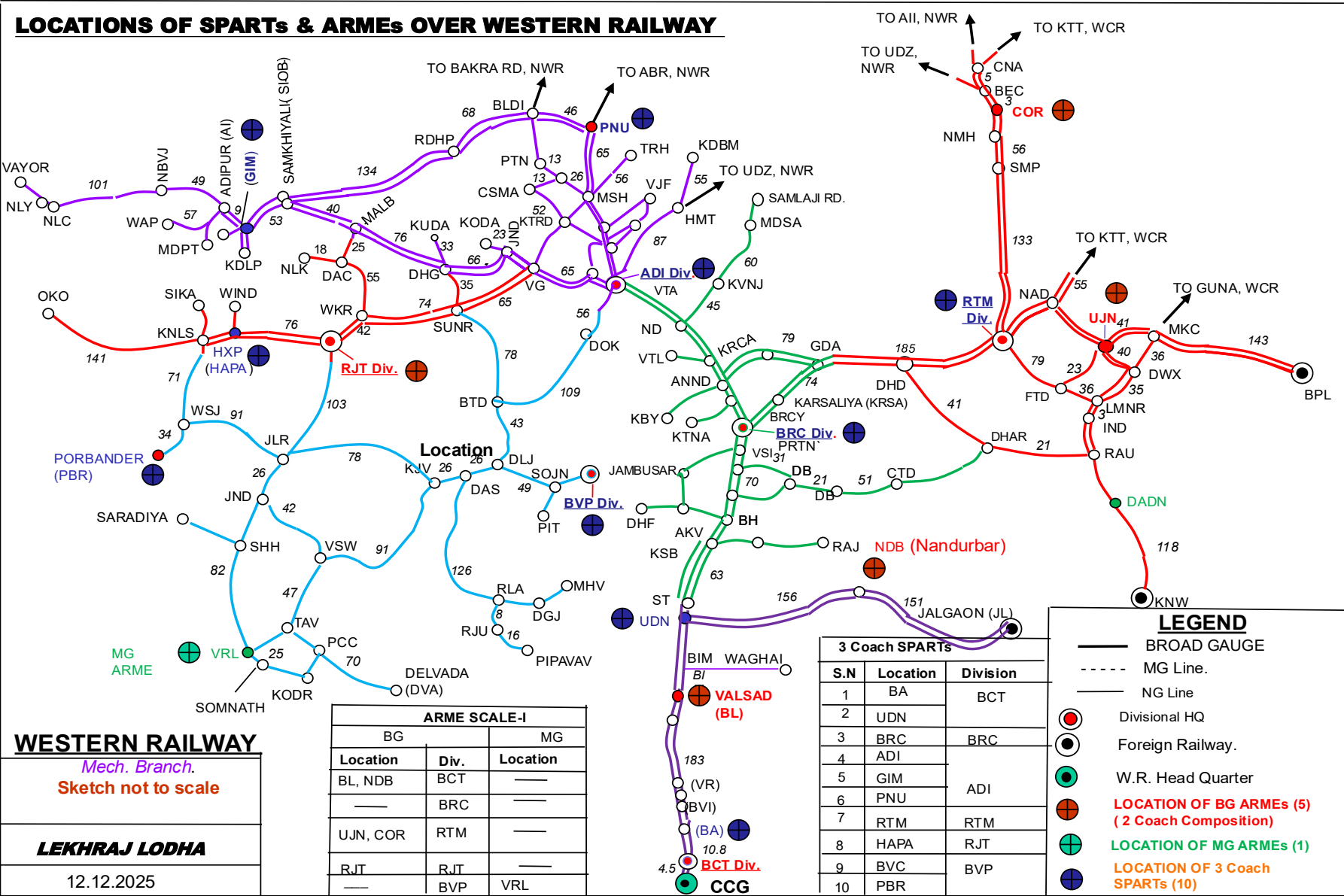
GAUGE	A Class	B Class	C Class
BG	UDN BRCY RTM KKF RJT GIM BVP	NDB, BL UJN COR	DHD
TOTAL	7	4	1
MG	—	VRL	PTP
TOTAL	7	5	2

LEGEND

- BROAD GAUGE
- MG Line
- NG Line
- Division Headquarter
- Foreign Railway.
- W.R. Head Quarter
- LOCATION OF BG ARTs (12)
- LOCATION OF MG ARTs (2)
- LOCATION OF NG ARTs (1)

ART Locations:

- BG ARTs (12):** UDN, BRCY, RTM, KKF, RJT, GIM, BVP, NDB, BL, UJN, COR.
- MG ARTs (2):** VRL, PTP.
- NG ARTs (1):** BIM.



SYSTEM MAP OF WESTERN RAILWAY AS ON 01-04-2025 (NOT TO SCALE)



RAJASTHAN



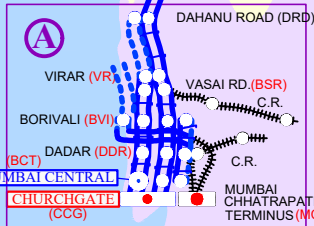
MADHYA
PRADESH

MAHARASHTRA

ARABIAN SEA

LEGEND

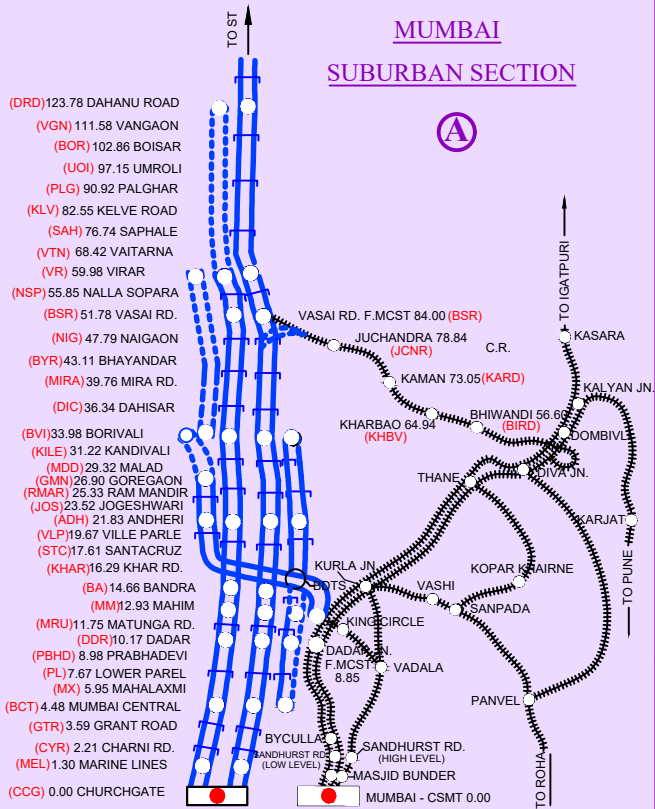
- * BROAD GAUGE
- * METRE GAUGE
- * NARROW GAUGE
- * FOREIGN RAILWAY
- * DOUBLE LINE
- * NEW LINE UNDER CONSTRUCTION
- * CONVERSION M.G. INTO B.G.
- * ELECTRIFIED SECTION
- * DIVISIONAL HEAD QUARTER
- * HEAD QUARTER OFFICE
- * INTERNATIONAL BOUNDARY



BG, MG AND NG ROUTE KILOMETRES

ITEM	BG	MG	NG
ELECTRIFIED	5281.04	-	-
NON ELECTRIFIED	180.18	493.47	329.79
TOTAL	5461.23	493.47	329.79

MUMBAI SUBURBAN SECTION



BASED ON STATEMENT NO. 8 & 9 AS ON 01-04-2025

GROUPWISE ROUTE / RUNNING TRACK KILOMETRES

ROUTE KM.				GROUPS	RUNNING TRACK KM.			
BG 1.676m	MG 1.000m	NG 0.762m	TOTAL		BG 1.676m	MG 1.000m	NG 0.762m	TOTAL
693.72	-	-	693.72	A	1430.17	-	-	1430.17
236.42	-	-	236.42	B	480.43	-	-	480.43
5.01	-	-	5.01	C	157.72	-	-	157.72
4526.08	-	-	4526.08	D	6130.91	-	-	6130.91
-	55.84	-	55.84	Q	-	55.84	-	55.84
-	437.62	-	437.62	S	-	437.62	-	437.62
-	-	329.79	329.79	NG	-	-	329.79	329.79
5461.23	493.47	329.79	6284.48	TOTAL	8199.23	493.47	329.79	9022.48

★ 55.29 Km. from Mumbai Central to Virar is having both 'A' & 'C' route.

DIVISIONWISE ROUTE / RUNNING TRACK KILOMETRES

BG 1.676m	MG 1.000m	NG 0.762m	TOTAL	DIVISION	BG 1.676m	MG 1.000m	NG 0.762m	TOTAL
576.29	-	62.43	638.71	MUMBAI	1336.03	-	62.43	1398.46
889.77	-	267.36	1157.13	VADODRA	1259.69	-	267.36	1527.05
1020.60	55.84	-	1076.45	RATLAM	1681.77	55.84	-	1737.62
1349.85	136.91	-	1486.76	AHMADABAD	2079.25	136.91	-	2216.16
593.65	-	-	593.65	RAJOT	811.41	-	-	811.41
1031.07	300.71	-	1331.78	BHAVNAGAR	1031.07	300.71	-	1331.78
5461.23	493.47	329.79	6284.48	TOTAL	8199.23	493.47	329.79	9022.48

STATEWISE ROUTE / RUNNING TRACK KILOMETRES

BG 1.676m	MG 1.000m	NG 0.762m	TOTAL	STATE	BG 1.676m	MG 1.000m	NG 0.762m	TOTAL
352.34	-	-	352.34	MAHARASHTRA	890.15	-	-	890.15
4134.85	437.62	329.79	4902.27	GUJARAT	5767.86	437.62	329.79	6535.27
920.58	55.84	-	976.43	MADHYAPRADESH	1443.87	55.84	-	1499.71
53.45	-	-	53.45	RAJASTHAN	97.35	-	-	97.35
5461.23	493.47	329.79	6284.48	TOTAL	8199.23	493.47	329.79	9022.48

CE'S FILE NO. W 162/30 VOL.XVI	PCE 32578-HQ 2025	MAHAVIR SINGH CE/PLG/CCG
MAHESHPURI GOSWAMI AEN/PLANNING/ CCG		NARENDRA KUMAR MEENA
DRAWN BY	SAGAR RATHOD	DY.CE/PLG/CCG

Digitally signed by NARENDRA KUMAR MEENA
DN: cn=NARENDRA KUMAR MEENA, o=RAILWAYS, ou=RAILWAYS, email=NARENDRA.KUMAR.MEENA@RAILWAYS.CO.IN, c=IN
Date: 2025.04.02 18:02:34 +05'30'