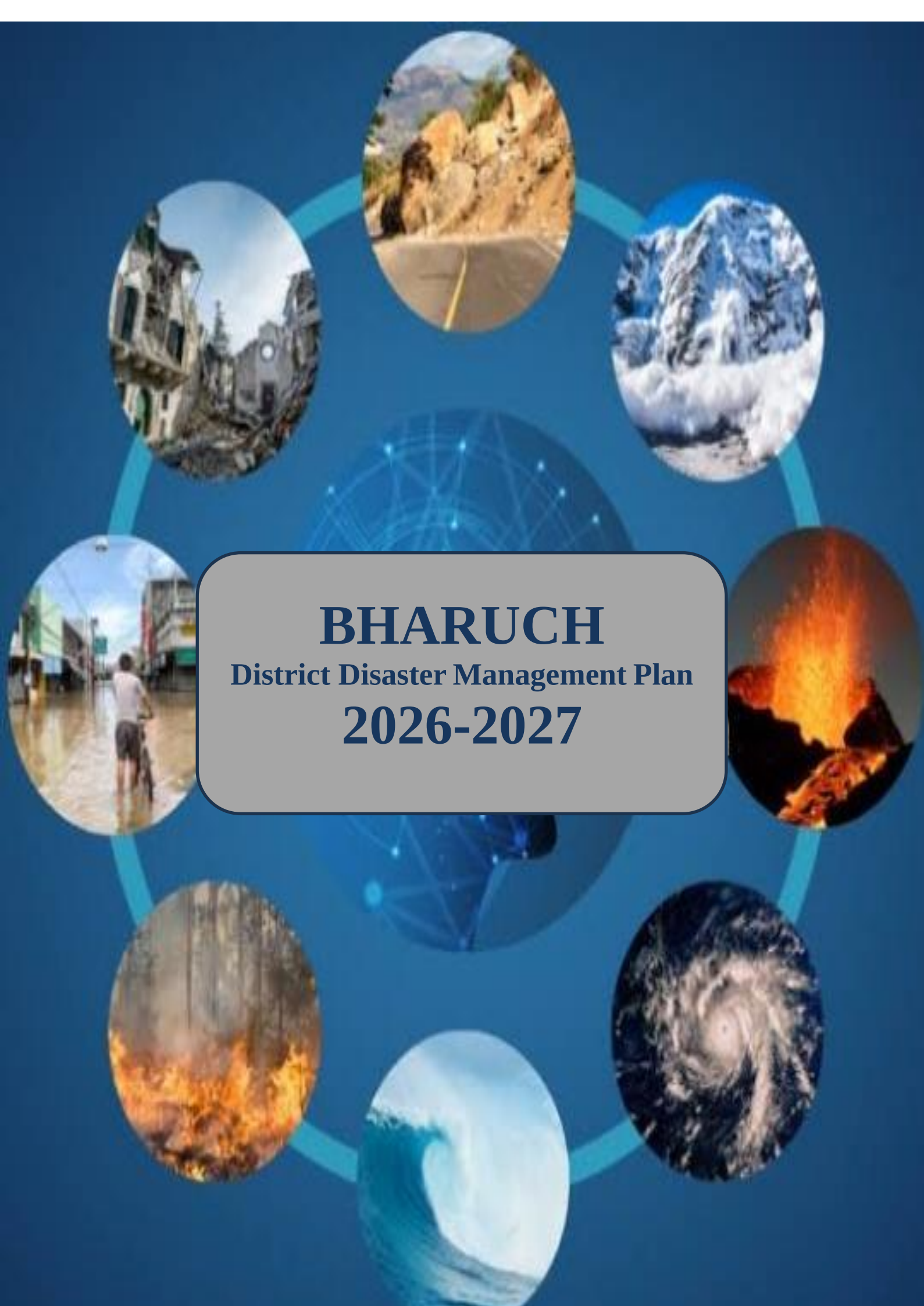




BHARUCH

**District Disaster Management Plan
2026-2027**



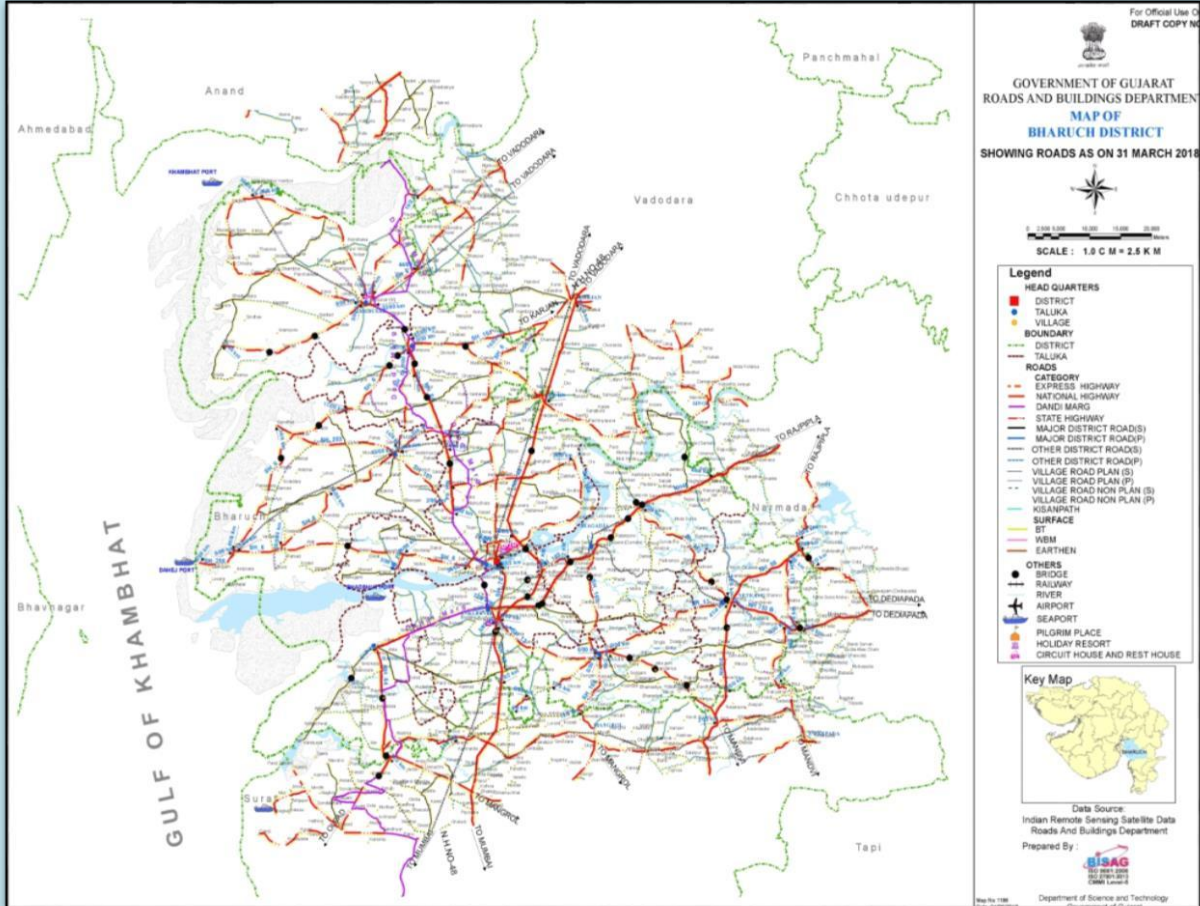
सत्यमेव जयते
गुजरात सरकार

Bharuch District

MAP



सत्यमेव जयते
गुजरात सरकार



**Collector Office - Bharuch &
Gujarat State Disaster Management Authority**



BHARUCH DISTRICT DISASTER MANAGEMENT PLAN

Name of the District	: -	Bharuch
Date (Plan Last Submitted)	: -	May 2025
Date (Plan Last Updated)	:-	April 2026
Signature of District Collector	: -	

Emergency Operation Center, Collector Office, Bharuch

&

Gujarat State Disaster Management Authority

April 2026

Dr. Navnath Kondiba Gavhane (IAS)

PREFACE

The increasing frequency and intensity of natural and human-induced disasters pose significant challenges to sustainable development, public safety, and economic stability. In this context, the need for a well-structured and forward-looking disaster management framework has never been more critical. The updated District Disaster Management Plan (DDMP) represents a strategic and comprehensive effort to strengthen disaster resilience across the state.

The Multi-Hazard DDMP of Bharuch District is essentially an action plan addressing various hazards. It outlines an Incident Response System with a clear chain of command and provides important role clarity through the delegation of specific powers and responsibilities to each staff member within the structure.

This is a comprehensive document that covers all potential hazards, featuring a systematic analysis of risks and vulnerabilities, elements at risk, and the level of impact. It is based on both scientific assessment and practical experience, developed by the district administration team.

I sincerely appreciate the efforts of Mamlatdar (Disaster), District Project Officer (Disaster), Dy. Mamlatdar (Disaster) who have taken the lead in developing and compiling the DDMP for the year 2026-27. I also extend my gratitude to the entire Disaster Management Team of Bharuch for their valuable support.

I hope that every administrative unit of the district, industrial stakeholders, and other supporting members will implement this action plan in its true spirit. While we all wish that no disaster ever occurs, this plan will play a crucial role in preparedness and response at both macro and micro levels for the well-being of the people of the district and the state.

**(Dr. Navnath Kondiba Gavhane)
Collector & District Magistrate
Bharuch**

CHECKLIST

Given below is the general list of important actions / items required in a Disaster. Please check out the items pertaining to your area / function.

- District Collector is the chief custodian of this plan document and also ensures that this plan document is reviewed and updated regularly.
- The Collector shall submit a copy of district disaster management plan and of any amendment thereto to the GSDMA and the State Relief Commissioner as well.
- Each govt. department shall prepare a disaster management plan for the district and Collector shall ensure that such plans are integrated into the district disaster management plan.
- The departmental heads of the district shall ensure that all employees have gone through this document and aware of their roles and responsibilities.
- Each department shall identify a disaster coordinator who will be responsible to coordinate with different taskforces.
- Each taskforce leader shall ensure, their SOPs are prepared, and all the members have gone through the Plan/SOPs and clear about their role and responsibilities.
- During your absence/leave period, please keep key members informed.
- Make sure that you have identified an Alternate Member from your department who would function in your place in case of emergency.
- Each taskforce shall identify a Communication Coordinator from the taskforce members.
- Make sure, the facilities available at District Control Room (DCR) and Taluka control rooms are intact and are in good condition.
- Check that all Communication facilities like Telephones, Cell Phones, Radios, and Base Stations etc. under your control are in good operating condition and fully charged.
- Ensure that you have the latest revised list of Emergency Contact Numbers and addresses.
- Ensure availability and operability of all resources under your control and at identified resource locations in neighboring districts for quick mobilization to emergency site.
- Maintain the records of area-wise population, shelter centers in your area for effective emergency evacuation.
- Check that the updated list of blood donors is available.
- Ensure adequate inventory of critical equipment/spares/medicines is available
- Make sure that all Fire Protection systems, rescue equipment, PPEs and other emergency equipment are in good state of repair

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Abbreviation

AAI	Airport Authority of India
ACWC	Area Cyclone Warning Centers
AERB	Atomic Energy Regulatory Board
BARC	Bhabha Atomic Research Centre
BIS	Bureau of Indian Standard
BISAG	Bhaskaracharya Institute for Space Applications and Geo-Informatics
BOOT	Build Own Operate and Transfer
BPL	Below Poverty Line
CBOs	Community Based Organizations
CBRN	Chemical, Biological, Radiological and Nuclear
CCG	Central Crisis Management Group
CDMA	Code Division Multiple Access
CDO	Central Design Organization
CEO	Chief Executive Officer
CFO	Chief Fire Officer
CMG	Crisis Management Group
CoH	Commissioner of Health
COR	Commissioner of Relief
CP	Commissioner of Police
CWC	Central Water Commission
CWCs	Cyclone Warning Centers
CWCS	Cyclone Warning Dissemination System
DAE	Department of Atomic Energy
DCG	District Crisis Management Group
DCR	District Control Room
DDO	District Development Officer
DEOCs	District Emergency Operation Centres
DG	Director General
DGHS	Directorate General of the Health Services
DGP	Director General of Police
DIG	Deputy Inspector General
DSO	District Supply Officer
DSP	District Superintendent of Police
DISH	Director Industrial Safety & Health
DM	Disaster Management
DoR	Director of Relief
DP&S	Directorate of Purchase and Stores
DPR	Detailed Project Report
DRM	Disaster Risk Management DRM
DRMP	Disaster Risk Management Programme
EFC	Expenditure Finance Committee
EMS	Emergency Medical Services
EOC	Emergency Operation Centre
ERCs	Emergency Response Centres
ERTs	Emergency Response Teams
ERU	Emergency Response Unit
F&ES	Fire and Emergency Services
GAD	General Administration Department
GEB	Gujarat Electricity Board

GERI	Gujarat Engineering Research Institute
GIDC	Gujarat Industrial Development Corporation
GIDM	Gujarat Institute of Disaster Management
GIS	Geographic Information System
GMB	Gujarat Maritime Board
GoG	Government of Gujarat
GoI	Government of India
GPCB	Gujarat Pollution Control Board
GSDMA	Gujarat State Disaster Management Authority
GSI	Geological Survey of India
GSM	Global System for Mobile Communications
GSWAN	Gujarat state Wide Area Network
GUVNL	Gujarat Urja Vikas Nigam Limited
GWSSB	Gujarat Water Supply & Sewerage board
HAZCHEM	Hazardous Chemicals
HF/VHF	High Frequency/VeryHigh Frequency
HoD	Head of Department
HRVA	Hazard, Risk and Vulnerability Assessment
HWB	Heavy Water Board
IDRN	India Disaster Resource Network
IEC	Information Education Communication
IMD	Indian Meteorology Department
INCOIS	Indian National Centre for Ocean Information Services
INSAT	Indian National Satellite System
IRC	Indian Road Congress
IRIS	Incorporated Research Institute for Seismology
ISR	Institute of Seismological Research
ISRO	Indian Space Research Organisation
ITC	Information and Communication Technology
ITCS	Information Communications Technology System
KAPS	Kakrapar Atomic Power Station
LCG	Local Crisis Management Group
MAH	Major Accident Hazard
MFRs	Medical First Responders
MHA	Ministry of Home Affairs
MoA	Ministry of Agriculture
MoC & F	Ministry of Chemicals and Fertilizers
MoC & I	Ministry of Commerce and Industry
MoD	Ministry of Defence
MoEF	Ministry of Environment & Forests
MoF	Ministry of Finance
MoLE	Ministry of Labour and Employment
MoP & NG	Ministry of Petroleum and Natural Gas
MoSRT & H	Ministry of Shipping, Road Transport and Highways
MSDS	Material Safety Data Sheet
MSZ	Makran Subduction Zone
NCC	National Cadet Corps
NCMC	National Crisis Management Committee
NDRF	National Disaster Response Force
NEC	National Executive Committee
NEIC	National Earthquake Information Centre
NGO	Non-Government Organization
NGRI	National Geophysical Research Institute

NIDM	National institute of Disaster Management
NIOT	National Institute of Ocean Technology
NPCIL	Nuclear Power Corporation of India Ltd.
NSRA	Nevada Seismic Research Affiliates
NWRWS	Narmada Water Resources Water Supply
PESO	Petroleum and Explosive Safety Organization
PPE	Personal Protective Equipment's
PFZ	Potential Fishing Zones
PGA	Peak Ground Acceleration
PMO	Prime Minister's Office
PMS	Probable Maximum Surge
PPP	Public private Partnership
PS	Principal Secretary
QCI	Quality Council of India
QRMT	Quick Reaction Medical Team
R & B Dept.	Roads & buildings Department
R & R	Rehabilitation & Reconstruction
RDD	Radiological Dispersal Device
RED	Radiation Exposure Device
RESECO	Remote Sensing and Communication Centre
RSO	Radiological Safety Officer
SAR	Search and Rescue
SCG	State Crisis Management Group
SCMC	State Crisis Management Committee
SDMA	State disaster Management Authority
SDMP	State Disaster Management Plan
SDRF	State Disaster Response Force
SDRN	State Disaster response Network
SED	Site Emergency Director
SEOC	State Emergency Operation Centre
SMS	Short Messaging Service
SOG	Standard Operations Guide
SOP	Standard Operation Procedure
SRPF	State Reserve Police Force
SSNNL	Sardar Sarovar Narmada Nigam Limited
SST	Sea Surface Temperature
SWP	Single Wire Protocol
TEOCs	Taluka Emergency Operation Centers
UD & UHD	Urban Development & Urban Housing Development
UNDP	United Nations Development Programme
UTs	Union Territories
WALMI	Water and Land Management Institute
WAN	Wide Area Network
WSEAC	World Scientific and Engineering Academy and Society



Chapter 1

INTRODUCTION



Bharuch District Profile

Bharuch is the oldest city of Gujarat. It is also the second-oldest city of India having displayed evidence of continuous habitation, the first being Kashi (Varanasi). Chandragupta Vikramaditya and other kings and queens of the Gupta dynasty ruled this city up to the 5th century CE; it was then ruled over by the kings of the Gurjara tribe until the 7th century CE. The time period of 8th century CE to 13th century CE was said to be an important and very well-known part under the rule of Rajput Emperors and Empresses. Solanki dynasty's great emperor Siddharaj Jaysinh had built up Kota (fortification) and Darwaja (doors) around the whole of Bharuch. The fort has a number of gates, which were later named 'Malbari Darwaja', 'Katopor Darwaja' and 'Zadeshwari Darwaja'. In the first half of the 16th century, Bharuch was ruled over by Changez Khan. Then, the Mughal king Humayun conquered and took over Bharuch.

Bharuch formerly known as Bhargukutch is a city at the mouth of the river Narmada in Gujarat in western India. Bharuch is the administrative headquarters of Bharuch District.

The city of Bharuch and as Mughal territory in 1534 CE.

Surroundings have been settled since times of antiquity. It was a ship building center and sea port in the pre-compass coastal trading routes for trading with the Occident and the East, perhaps as far back as the days of earliest trade connections. The route made use of the regular and predictable monsoon winds or galleys. Many goods from the Far East and Far West (the famed Spices and Silk trade) were shipped there during the annual monsoon winds, making it a terminus for several key land-sea trade routes. Bharuch was known to the Greeks, the Parthian Empire, in the Roman Empire, the Chinese, and in other Western and Eastern centers of civilization through the end of the European Middle Ages and other the middle ages of the world.

In the 3rd century BCE to 3rd century CE, the port of Bharuch was mentioned as Barigaza.

During the 8th century CE, the town of Bharuch was ruled by King Mayura giving rise to the Chaudhary Dynasty. The king ruled the city for 50 years and was popularly known as the 'Ace of Bharuch'.

Arab and other foreign traders entered Gujarat via Bharuch to do business. The British, French, Dutch, Portuguese with others later noted Bharuch's importance and established their business centers here.

At the end of the 17th century CE, it was plundered twice but recovered quickly. Afterwards, a proverb was composed about it, "Bhangyu Bhangyu Toye Bharuch", which translates to "Bish-boshed, ever Bharuch". As a trading depot, the limitations of coastal shipping made it a regular terminus via several mixed trade routes of the fabled spice and silk trading between East and West. During the European times it was officially known as Bharuch.

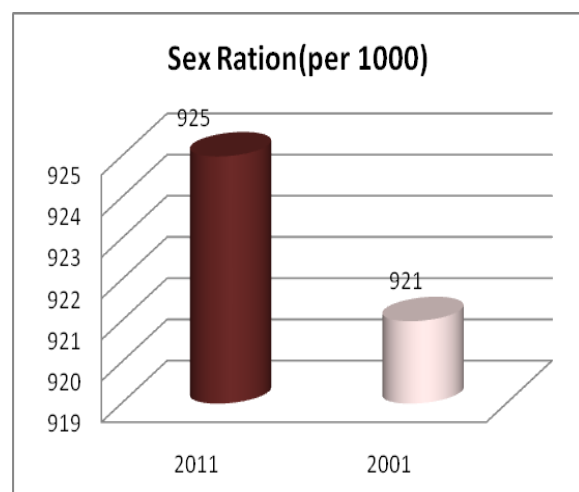
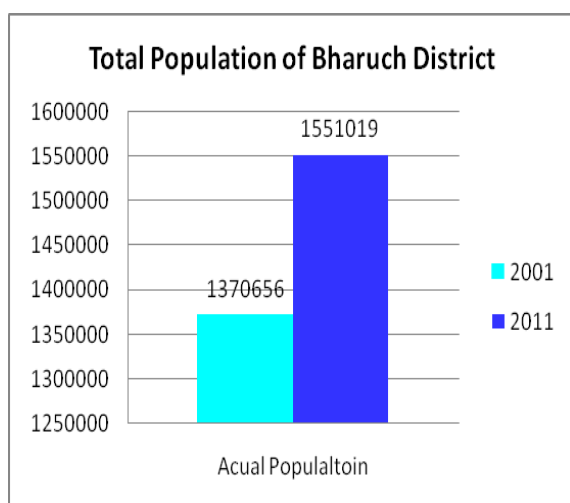
Bharuch has been the home to the Gujarati Bhargava Brahmana community for ages. The community traces its lineage to Bhrigu and Parashurama, who is the sixth avatara of Vishnu. The Bhargava community still administers a large number of public trusts in the city. However, the present day Bhargava Brahmanas have migrated

Chapter 1

INTRODUCTION

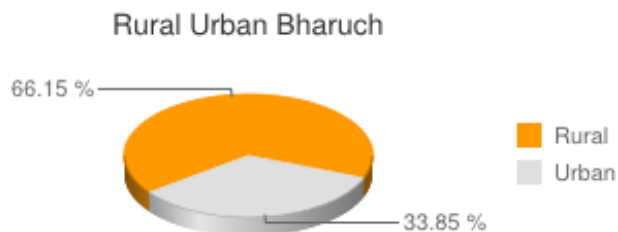
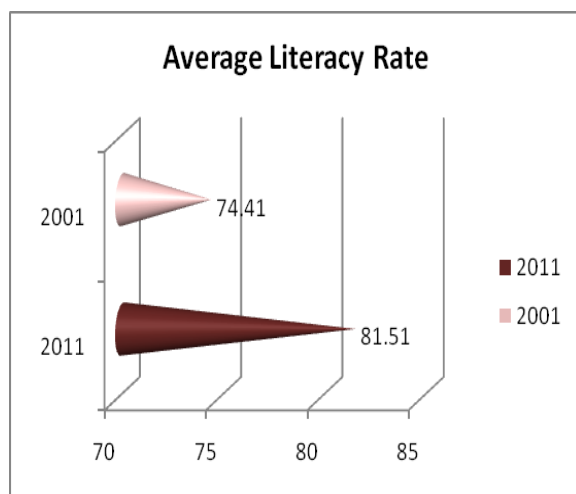
To Mumbai, Surat, Vadodara, Ahmedabad and other countries like France, Britain and Australia, New Zealand and many other countries in the world.

Being close to one of the biggest industrial areas including Ankleshwar GIDC, it is at times referred to as the chemical capital of India. The city has chemical plants, textile mills, long staple cotton, dairy products and much more. Gujarat's biggest liquid cargo terminal is situated 50 km to the west of Bharuch, in Dahej. It also houses many multinational companies, such as Videocon, BASF, ONGC Petro-Additions, Reliance Industries, Adani Ports & SEZ, Gujarat Narmada Valley Fertilizers & Chemicals, MRF Tires, Yokohama Off-Highway Tires, Jubilant, Aditya Birla Hindalco Industries, Gujarat Fluorochemicals Limited, ISGEC Hitachi, UPL (company), Gujarat Alkalies and Chemicals Limited, Deepak Nitrite, Torrent Pharmaceuticals, Petronet LNG, Godrej & Boyce, Piramal Group, Pidilite Industries, SRF Limited, Safari Equipment's and Welspun Maxsteel Ltd. The industrial estate of Vilayat houses the companies of Aditya Birla Grasim, Kansai Nerolac Paints etc., Jhagadia houses DCM Sriram Chemicals, Saint-Gobain India Ltd., PepsiCo India Holdings Ltd. among others. Because of the distinctive color of its soil (which is also ideal for cotton cultivation), Bharuch is sometimes referred to as '**Kanam Pradesha**' (black-soil land). Bharuch is also nicknamed as '**Peanut City**' for its salty peanuts, locally known as 'Khari Sing'.

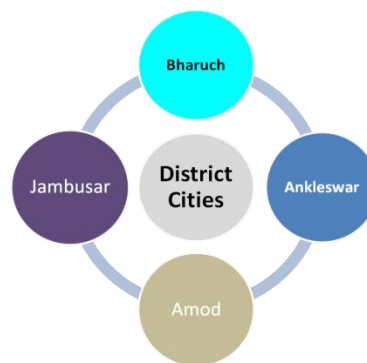
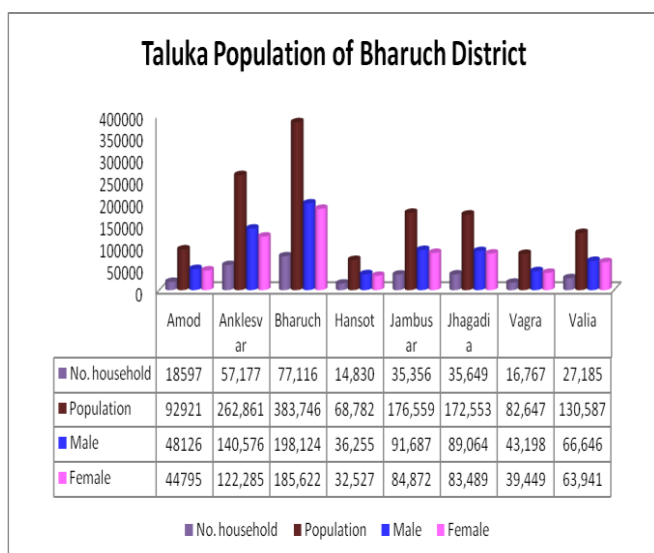


Description	2011	2001
Actual Population	1551019	1370656
Male	805707	713676
Female	745312	656980
Population Growth	13.16%	19.37%
Area Sq.Km	6509	6509
Density/km ²	238	210
Proportion to Gujarat Pop.	2.57%	2.71%
Sex Ratio (per 1000)	925	921
Child Sex Ratio(0-6yrs)	920	918
Average Literacy (%)	81.51	74.41
Male Literacy (%)	87.45	82.98
Female Literacy (%)	75.09	65.11
Total Child Pop(0-6yrs)	179103	194025
Male(0-6yrs)	93265	101176
Female(0-6yrs)	85838	92849
Literate Population	1118276	875519
Male Literates	623047	508240
Female Literates	495229	367279
Child Proportion(0-6yrs)	11.55%	14.16%
Boys Prop(0-6yrs)	11.58%	14.18%
Girls Prop(0-6yrs)	11.52%	14.13%

Chapter 1 INTRODUCTION

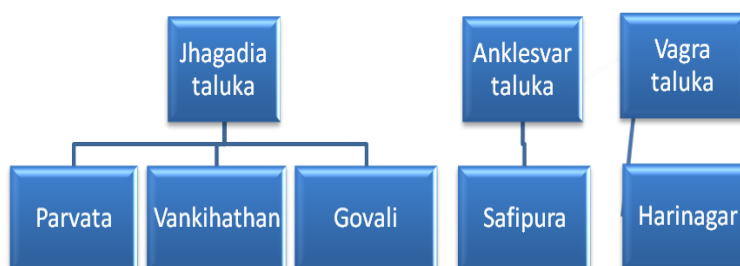


1.3 Taluka level Information:



Taluka	North Latitude	East Longitude	Total Villages
Jambusar	22'-05'	72'- 80'	82
Amod	21'- 99'	72'- 86'	54
Vagra	21'- 84'	72'- 83'	68
Bharuch	21'- 70'	72'- 99'	100
Ankleshvar	21'- 62'	73'- 00'	60
Hansot	21'- 58'	72'- 81'	46
Jhagadia	21'- 72'	73'- 15'	125
Valia	21'- 56'	73'- 15'	59
Netrang	21'- 63'	73'- 36'	78
Total			672

5 Uninhabited villages of Bharuch district



1.4 Geography and Climate

Bharuch is in the Southern part of Gujarat State. Its mainland extends between 21-degree - 41 min and 21 degrees - 50-min north latitude and between 72-degree 59 Min and 72 degree - 40-min longitude. It has an average elevation of 15 meters (49 feet). Bharuch is a port city situated on the banks of the Narmada river. The damming of the Narmada caused the original port facilities to close; the nearest port is now in Dahej. **Its coastline is 286 km long and the district lies in an area of 5254 Sq.Km.** The Bharuch district is surrounded by Vadodara (North), Narmada (East) and Surat (South) districts. To the west is the Gulf of Khambhat.

Bharuch has a tropical savanna climate (under Koppen's Climate classification), moderated strongly by the Arabian Sea. The summer begins in early March and lasts until June. April and May are the hottest months, the average maximum temperature being 40 °C (104 °F). Monsoon begins in late June and the Village receives about 800 millimeters (31 in) of rain by the end of September, with the average maximum being 32 °C (90 °F) during those months. October and November see the retreat of the monsoon and a return of high temperatures until late November. Winter starts in December and ends in late February, with average temperatures of around 23 °C (73 °F).

Very often heavy monsoon rain brings floods in the Narmada basin area. The Village had witnessed major floods in the past, but now the floods have been controlled after the damming of the Narmada.

1.5 River, Dam & Rainfall Information

The average annual rainfall is 748 mm. The soil found in the district is largely black soil, except for the coastal areas where the soils characterized as alkaline.

The district has one major river i.e. the Narmada and seasonal rivers Dhadhar & Kim. These rivers flow towards the Gulf of Khambhat in the west. The district has no Major Dam; however, it has 3 check dams controlled by the Minor Irrigation Department.

1.6 RAINFALL DATA OF BHARUCH DISTRICT

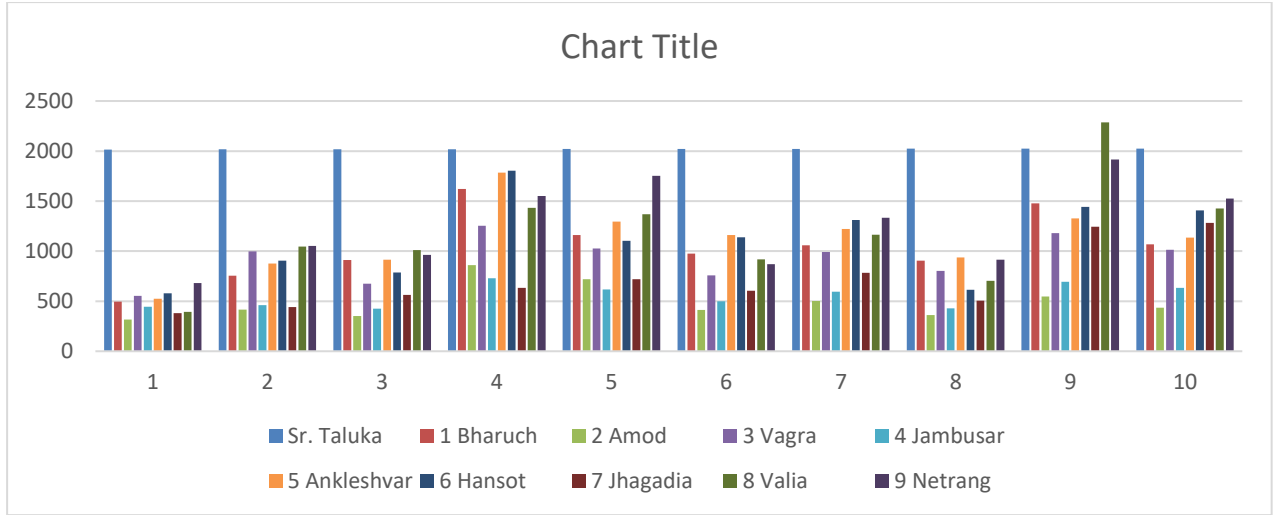


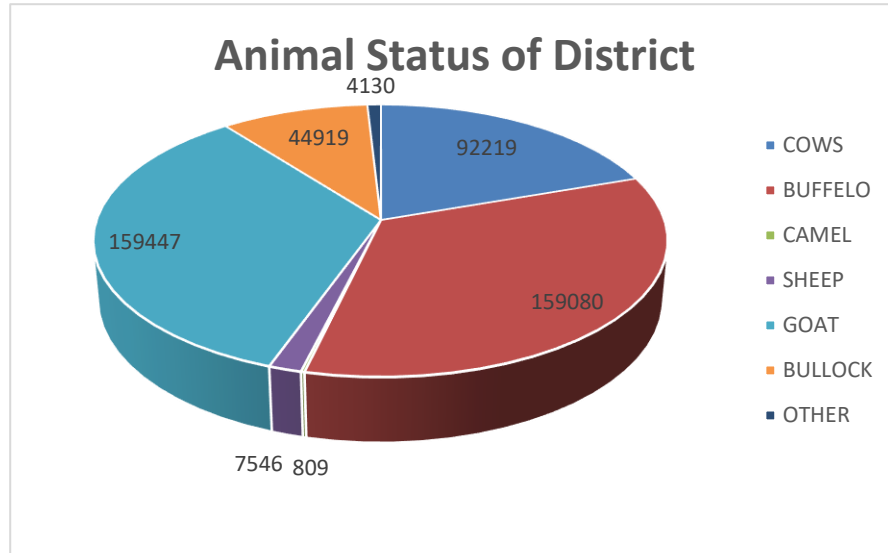
Table: Taluka-wise Rainfall Data of Bharuch District between 2015-2024

Sr.	Taluka	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
1	Bharuch	496	756	911	1622	1162	975	1059	905	1476	1068
2	Amod	317	415	353	860	720	414	502	363	548	436
3	Vagra	552	999	674	1255	1025	757	992	802	1180	1014
4	Jambusar	444	459	425	728	617	499	596	429	694	632
5	Ankleshvar	523	875	916	1785	1295	1162	1222	937	1328	1135
6	Hansot	580	904	786	1804	1102	1138	1312	615	1442	1406
7	Jhagadia	380	441	564	632	720	604	783	505	1244	1282
8	Valia	393	1047	1011	1434	1368	919	1164	703	2285	1426
9	Netrang	681	1053	962	1552	1753	869	1334	916	1915	1524

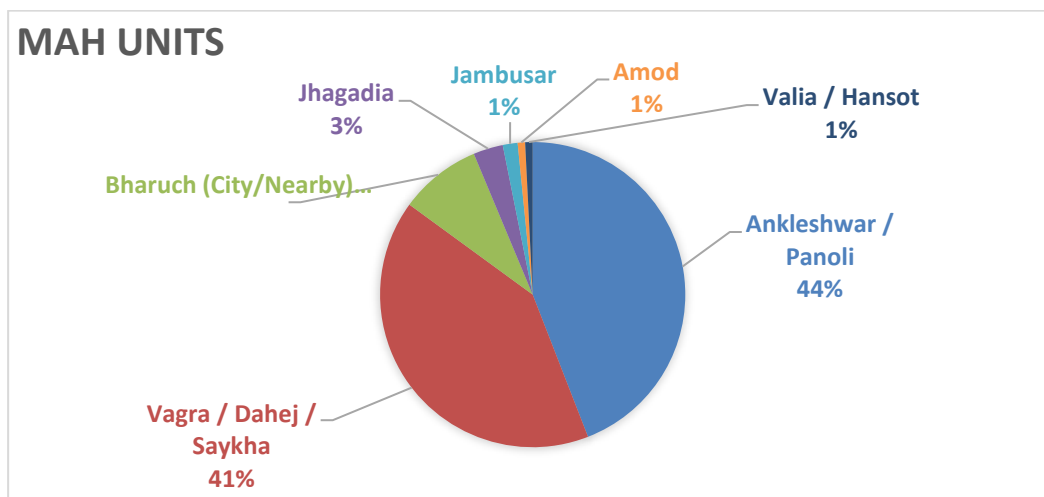
During the rainy season-2024, heavy rain fell in the district from 25/08/2024 to 06/09/2024. Due to heavy rains in the district during this period, 1454 persons were displaced, and 16 persons were rescued and 1136 persons affected by heavy rains were given Rs. 9.5144 lakh cash assistance and 317 families Rs. 9.50 lakh as housing assistance was paid. The following losses have been recorded in the district during this period.

1.7 Lives Cattle wealth occupies a pivotal place in the rural economy of the district.

Livestock position is shown in the pie diagram alongside.



1.8 Industries:-



Out of 955 Major Accident Hazards (MAH) units in the state, 127 are located in Bharuch District. Of these, Bharuch (city nearby) has 11, Anklesvar/Panoli has 56, Vagra/Dahej/Saykha has 52, Jambusar has 2, Valiya/Hansot has 1 Amod has 1 and Jagadia has 4 MAH Units (Annexure-R). As is evident from the pie diagram, Ankleshwar/Panoli has the maximum number of MAH units in the district. Total 71 villages falls in Industrial area. With Bharuch Estate, Palej Estate, Panoli Estate, Ankleswar Estate, Jagadia Estate, Sayakha & Vilayat Estate, PCPIR, Dahej Estate.

1.9 Roads & Railway:-

The district has 2838 km of pukka roads connecting all villages/towns in the district. Out of the total 665 inhabited villages, all villages are connected by State Road Transport facilities. The total length of Railway Track is 168 km in the district, of which Broad Gauge is 50 km and the remaining is narrow gauge.

1.10 Health Facilities.

Health:

The district has 42 PHCs and 9 CHCs in the District to cater to the needs of people. The major hospitals are Civil Hospital, GNFC Dispensary, Bombay Patel Welfare Hospital, Sevashram, Govardhan Hospital (all in Bharuch) and Jayaben Modi Hospital in Anklesvar. All PHC & CHC run in direct supervision of BHO (block health officer) & district officer.

Chapter 1

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1.1 OBJECTIVE

The world over disaster management is seen as evolving process. There cannot be a single model or approach towards management of disasters. Thus, the objective of disaster management comprises six elements: the pre-disaster phase includes prevention, mitigation and preparedness, while the post disaster phase includes response, rehabilitation, reconstruction and recovery. Although the actions taken to address a specific disaster vary depending on the hazard, four objectives of disaster management apply to every situation:

The objective of a Disaster management plan is to localize a Disaster and contain its effect to the greatest extent so as to minimize its impact on life, environment and property. Response to any disaster, in the absence of a well-defined plan, would be arbitrary, leading to overemphasis of some actions and absence of other critical actions. A formal plan for Managing Disaster is therefore necessary. This Disaster management plan has a strong preparedness focus which aims at reducing our vulnerability to disasters and at the same time, it includes a plan of action/response mechanism for dealing with earthquakes, floods, cyclones, epidemics, industrial and chemical accidents, road accidents and fires.

This document provides basic information required for the management of disasters in Bharuch District by:

- Defining the Risks and Vulnerabilities of citizens of the district to different disasters.
- Identifying private and public sector stakeholders with prime and supporting responsibilities to reduce or negate these vulnerabilities.
- Defines actions to be taken by these parties to avoid or mitigate the impact of disasters in the district.

Subsidiary plans are developed at the:

At the Village and Taluka level.

- For major industrial sites located in the district (Off-site Emergency plan for Industrial Accidents available with DISH).
- Through Standard Operating Procedures (SOPs) of Line Departments detailing how specific disaster response actions will be accomplished.

Developing and maintaining SOPs¹ are the responsibility of parties with designated prime or supporting tasks assigned by this plan.

Keeping in view all the possible aspects of the aforesaid problem in mind and to keep the Administration prepared in all possible ways to respond properly to various Disaster situations with minimum delay, possible Disaster situations have been identified and the component plans have also been identified & mentioned in detail in this document.

(A) Natural Calamities

Example	Profile
Avalanche	The sudden, drastic flow of snow down a slope, occurring when either natural triggers, such as loading from new snow or rain, or artificial triggers, such as explosives or backcountry skiers.
Blizzard	A severe snowstorm characterized by very strong winds and low temperatures
Earthquake	The shaking of the Earth's crust, caused by underground volcanic forces of breaking and shifting rock beneath the Earth's surface
Fire (wild)	Fires that originate in uninhabited areas and which pose the risk to spread to inhabited areas (see also Wildfire § Climate change effects)
Flood	Flash flooding: Small creeks, gullies, dry streambeds, ravines, culverts or even low-lying areas flood quickly (see also Effects of climate change)

Freezing rain	Rain occurring when outside surface temperature is below freezing
Heat wave	A prolonged period of excessively hot weather relative to the usual weather pattern of an area and relative to normal temperatures for the season (see also Effects of climate change Heat waves and temperature extremes).
Landslide	Geological phenomenon which includes a range of ground movement, such as rock falls, deep failure of slopes and shallow debris flows
Lightning strike	An electrical discharge caused by lightning, typically during thunderstorms
Limnic eruption	The sudden eruption of carbon dioxide from deep lake water
Tropical cyclone	Rapidly rotating storm system characterized by a low-pressure center, a closed low-level atmospheric circulation, strong winds, and a spiral arrangement of thunderstorms that produce heavy rain and squalls (see also Tropical cyclones and climate change)
Tsunami	A series of waves hitting shores strongly, mainly caused by the displacement of a large volume of a body of water, typically an ocean or a large lake, usually caused by earthquakes, volcanic eruptions, underwater explosions, landslides, glacier calvings, meteorite impacts and other disturbances above or below water
Volcanic eruption	The release of hot magma, volcanic ash and/or gases from a volcano

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(B) Man Made Calamities

Disaster	Profile
Bioterrorism	The intentional release or dissemination of biological agents as a means of coercion
Civil unrest	A disturbance caused by a group of people that may include sit-ins and other forms of obstructions, riots, sabotage and other forms of crime, and which is intended to be a demonstration to the public and the government, but can escalate into general chaos
Fire (urban)	Even with strict building fire codes, people still perish in fires
Hazardous material spills	The escape of solids, liquids, or gases that can harm people, other living organisms, property or the environment, from their intended controlled environment such as a container.
Nuclear and radiation accidents	An event involving the significant release of radioactivity to the environment or a reactor core meltdown and which leads to major undesirable consequences to people, the environment, or the facility
Power failure	Caused by summer or winter storms, lightning or construction equipment digging in the wrong location

The mode, degree, and extent of response to fight out any Disaster depend upon the nature, degree and extent of Disaster, but some points are common to all kinds of situations. For example, first and foremost, appropriate, and adequate steps for preventing the disaster should be undertaken. Secondly, preparedness is required to contain the damages and casualties resulting from the Disaster. Thirdly, steps for rehabilitation and restoration of community life within a reasonable time should be focused on. Hence, some necessary and common steps are as below:

1. Establishment of Central Control Rooms and capacity enhancement of Emergency Operation Centers.
2. District Disaster Management Committee to meet post early warning or immediately post disaster occurrence.
3. A general line of action and some special duties to various officers and departments will have to be assigned, keeping in mind a timeline for finishing specific tasks.
4. Voluntary Organizations may have to be involved, and their role will have to be clearly specified and coordinated.
5. Media may have to be briefed to suppress all kinds of rumors.
6. Information regarding resource inventory of Health Services, Transport Services, Evacuation & Rehabilitation Centers, and Food etc. needs to be kept handy so that resources can be deployed where required.
7. Consistent follow-up of relief operations and constant reporting of pre and post disaster work.

Broad guidelines have been given in the following pages and "Standard Procedure" has been formulated which is to be adhered to by all concerned. Once the Disaster take place and the authorities are informed of the same, they will take the necessary action with the help of the individual Disaster management plans prepared for the respective Disaster/situations.

The main objectives of various preparedness measures are:

- 1) Minimizing the loss of human lives.
- 2) Minimizing the loss of livestock. Minimizing the loss to property and infrastructure.
- 3) Minimizing ill effects on the health of the affected population.
- 4) Bringing the human activities in the locality to normal soon after.

To achieve the above objectives, different tasks have to be performed by Government Departments and other agencies before, during and after the Disaster. Each Department's role and responsibilities have to be clearly identified, and an action plan needs to be drawn up by each department. For close cooperation between the various Department and Agencies, close coordination is required between the Collector at the District Headquarters and Prant Officers (SDM) at the Sub-division or taluka level. The responsibility to manage any type of Disaster in the district rests with the **District Disaster Management Committee** headed by the Collector Bharuch, who may, depending upon the gravity of the situation, seek the help of **State Disaster Management Committee** and the **National Disaster Management Committee**. This tiered and hierarchical structure ensures that the best possible response is accorded to any disaster situation, depending upon the severity of damage. For operational expediency, the level of Disasters has been categorized and classified as under:

Level of Disasters

L concept has been developed to define different levels of disasters in order to facilitate the responses and assistances to States and Districts.

L0 level denotes normal times which will be utilized for close monitoring, documentation, prevention, and preparatory activities. Training on search and rescue, rehearsals, evaluation, and inventory updating for response activities will be carried out during this time.

L1 level specifies disaster that can be managed at the district level, however, the State and centre will remain in readiness to provide assistance if needed.

L2 level disaster situations are those, which require assistance and active participation of the state, mobilization of its resources for management of disasters.

L3 level disaster situation is in case of large-scale disaster where the State and District authorities have been overwhelmed and require assistance from the Central Government for reinstating the State and District machinery as well as for rescue, relief, other response and recovery measures. In most cases, the scale and intensity of the disaster as determined by the concerned technical agency like IMD are sufficient for the declaration of

1.2 Scope of the Plan:

1.2.1 Institutional Framework

The Institutional framework for operationalisation of the DM plan at the District level is conceived in terms of integration of both rural and urban areas and by recognizing the inter-dependence between line departments, district and state level authorities. The constitution of the District Disaster Management Committee will be as per the Gujarat Disaster Management Act 2003. **Details with Functions of DDMC members of Bharuch District.**

1.2.2 Warning, Relief and Recovery

Warning, Relief and Recovery actions are intended to eliminate the loss of life and property and reduce hardship as a result of disasters. Plans and SOPs at District level should provide a seamless mechanism of warning, relief and recovery assistance to avoid or reduce losses and hardship.

The focal point for early warning, relief and recovery is the District Collector, who directs and coordinates these efforts within the district. The Collector is also responsible for coordinating warning, relief and recovery with similar activities in neighboring districts and with the GSDMA and Revenue Department.

The Collector is further responsible for developing long term relief, recovery and rehabilitation plans during the course of a disaster. These plans will include steps to reduce disaster impact in the future and be coordinated with the GSDMA in terms of policy and implementation.

1.2.3 Mitigation, Preparedness and Prevention

Mitigation, preparedness and prevention actions are to be taken before a disaster to reduce the likelihood of a disaster (risk reduction) or the level of damage (vulnerability reduction) expected from a possible disaster. Vulnerability reduction is given priority over risk reduction. The district can avail itself of any or all of four mechanisms to reduce risk and vulnerability:

- 1.2.3.1 Long term planning for mitigation, preparedness and prevention-- investments to this effect in the district,
 - 1.2.3.1.1 Enforcement of regulations, particularly building and safety codes and land use plans;
 - 1.2.3.1.2 Review and evaluation of development plans and activities to identify ways to reduce risks and vulnerability; and
 - 1.2.3.1.3 Capacity building, including warning, the provision of relief and recovery assistance and community-level identification of risk and vulnerability.

The Collector, assisted by the District Development Officer, is responsible for developing plans and activities to effect mitigation, preparedness and prevention using the mechanism noted above. Based on the interim assessment of risk and vulnerabilities, the District will focus on the following areas for mitigation, preparedness and prevention, which are specific to Bharuch district:

- 1.2.3.1.4 Resilience of lifeline systems (water, power, roads and communications)
- 1.2.3.1.5 Reduction in disaster impact on health care facilities and schools
- 1.2.3.1.6 Vulnerability reduction in flood-prone areas, including riverbank erosion
- 1.2.3.1.7 Vulnerability reduction to high winds
- 1.2.3.1.8 Improvement of Off-site Preparedness near Industrial sites.

1.3 Authority and Reference

The requirement for district and subsidiary plans is set by the Gujarat State Disaster Management Authority (GSDMA) under the authority of the Gujarat State Disaster Management Act of 2003. The Act authorizes the collector to secure cooperation and assistance from other parties in efforts to avoid or reduce the impact of disasters.

The Collector (Specifically) and Government authorities (generally) are responsible for managing hazards and disasters that affect a district, with support from GSDMA, the Relief Commissioner and other public and private parties as may be needed. The roles, responsibilities and obligations of the Collector and other key parties are set out in detail in the Act and are considered as part of this plan.

The District Collector is responsible for the preparation and revision of the District Disaster Management Plan in collaboration with the line departments and other organizations in the district.

The plan should be reviewed annually and updated:

- When significant changes occur in the nature of hazards
- Lessons learnt following any major disaster or
- When there is any significant change to the organization or responsibilities of primary members of the task forces defined in the plan.

The revised plan should be submitted to GSDMA and the Relief Commissioner.

1.3.1 Legal Backup

Preparation of Disaster Management Plan is one of the mandatory provisions under The Gujarat State Disaster Management Act-2003 and The National Disaster Management Act-2005. In respect to above, National Disaster Management Authority has issued guidelines for preparation of State Disaster Management Plan.

- I. As per The GUJARAT STATE DISASTER MANAGEMENT ACT, 2003 under CLAUSE 15. Sub section (1), (2) & (3) Of CHAPTER VI FUNCTIONS OF THE AUTHORITY, the authority shall develop or cause to be developed guidelines for the preparation of disaster management plans and strategies.
- II. Under the provision of the DISASTER MANAGEMENT ACT, 2005,

- a. Section 18 subsection (1), (2) & (3) subject to provisions of this Act, a State Authority shall have the responsibility for laying down policies and plans for disaster management in the State.

The DDMC will follow the techno-legal regime set up by the SDMA and other government Acts and Policies. It shall periodically review the extent of compliance to some of the key regulative provisions.

Trigger mechanism for putting the plan into action

Chapter XIII, Section 32 of Gujarat Disaster Management Act 2003 clearly defines the process of declaring an area as disaster affected or disaster prone, which acts a trigger mechanism for putting relevant DM plan into action. These provisions are:

Where there is threat of an impending disaster or where a disaster has occurred-

- (a) In an area spread over more than one district; the Commissioner, and
- (b) In an area restricted to a district, the Collector –may immediately make a report to that effect to the State Government.

If the State Government is of the opinion that there is a threat of an impending disaster or that a disaster has occurred in an area of the State and that it is expedient, for the purposes of preventing such disaster or of coping with its effects, it may, by notification published in the Official Gazette and in any one or more newspapers having widest circulation in the area, declare such area to be disaster prone area or disaster affected area. The respective authorities (including State authority,

Commissioner, Collector, Departments and other agencies) shall perform the duties of Disaster Management in accordance to the act until the time period of declaration. This period can be extended, if required by the competent authority. The Authority, the Commissioner, the Collector and all other agencies, shall cease to perform their functions in the affected area, on the expiry of the period.

Refere: Detailed DM Act – 2003 Website: www.gsdma.org

1.4 Plan Development

The previous disaster management plans of Bharuch district are mainly disaster-specific contingency plans. A careful and impartial study reveals the following facts:

- i) The Plan document is too voluminous to be easily understood by users.
- ii) The command and control of relief efforts is not optimal
- iii) Integration of response is not effective
- iv) The mitigation, prevention and preparedness aspects are not addressed adequately
- v) There is no GIS-based database of key vulnerabilities and resources.

Secondly, separate plans for each disaster have produced multiple documents with considerable duplication, which would work against potential users understanding their roles with clarity.

Recognizing the fact that most tasks and actions before and following a disaster are common at the district level, the Bharuch district administration has used **multi-disaster approach** (all disasters covered by one plan) while developing disaster management plan for the district.

The present plan is not intended to provide comprehensive explanations and background information about a disaster, or serve as a training manual on how to respond to a disaster or conduct a disaster related task. The approach taken is that plans and SOPs should be limited to the extent of sufficient information need to respond to a specific disaster or undertake a disaster related task. Steps to address disaster specific requirements can be covered in procedures related to actions. This approach does require that task forces develop disaster specific procedures where appropriate.

In other words, this plan is intended for use by persons who are technically competent in the tasks or responsibilities set out in each plan. The SOPs are intended to be used by persons who are unfamiliar with disaster management topics but are intended to be task specific and not as replacements for full plans. (SOPs can be refer in chapter 4)

The word disaster is derived from middle French disaster and that from old Italian disastro, which in turn comes from the ancient greek pejorative prefix δυσ- (dus-) "bad" and ἀστήρ (aster), "star" The root of the word disaster ("bad star" in Greek) comes from an astrological sense of a calamity blamed on the position of planets.

A disaster is a serious problem occurring over a period of time that causes widespread human, material, economic or environmental loss which exceeds the ability of the affected community or society to cope using its own resources. Disasters are routinely divided into either "natural disasters" caused by natural hazards or "manmade disasters" caused from anthropogenic hazards. However, in modern times, the divide between natural, human-made and human-accelerated disasters is difficult to draw.

Disaster threatens sustainable economic development worldwide. In the past twenty years, earthquakes, floods, tropical storms, droughts and other calamities have killed millions of people, inflicted injury, disease and caused homelessness and misery to around one billion others in the world. These have caused damage to infrastructure worth millions of rupees. Disaster destroys decades of human effort and investments, thereby, placing new demands on society for reconstruction and rehabilitation. Disaster management thus requires a multi-disciplinary and proactive approach. The community, civil society organizations, media and the proverbial man on the street, everyone has to play a role in case such exigency occurs. The various prevention and mitigation measures outlined below are aimed at building up capabilities as also how to deal with disasters.

In addition, specific plans for some disasters could also be attached. The present plan document identifies the roles and responsibilities of the organizations in key identified sectors. Taskforces have been constituted for taking response measures in specific sectors. Each task force consists of a lead organization/department supported by other organizations/departments. Action plan has been prepared for each taskforce which covers their roles and responsibilities in different phases of disaster.

It is expected that **each Department/taskforce shall develop the standard operating procedures for disasters**, which is included in the plan. The Plans/SOPs prepared are tested and subsequently validated/updated through periodic drills, simulation or full scale **exercises**. In addition, district collector to ensure that all the members acquires knowledge and skills to perform their assigned role through regular refresher trainings.

The present Multi-hazard Plan is divided into eight main sections and twenty four Annexure. The main sections cover:

- Introduction, Concepts and Policies
- Hazard Vulnerability and Risk Analysis
- **Preparedness, Prevention & Mitigation Measures**
- Institutional Arrangement & Multi Hazard Response Measures
- Recovery Measures
- Financial Arrangements
- Maintenance of Plan
- Past Incidents – Experience.

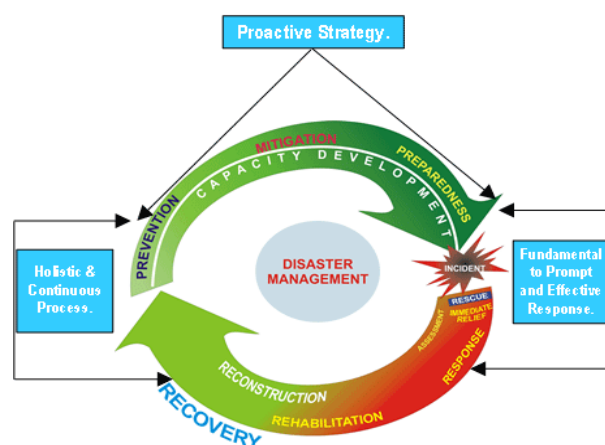
The terms used in this plan are consistent with terms as defined and used in the Gujarat State Disaster Management Act of 2003.

Concept of Disaster Management

Disaster Management is a continuous and integrated process of:

- Planning and implementing measures towards mitigating or reducing the risk of disasters
- Mitigating the severity of consequences of disaster

DISASTER MANAGEMENT CONTINUUM



1.4.1 Plannig Team :

The District Collector shall be the Overall Incident Command Officer of emergency operations as the District Bharuch Emergency Authority and she/he shall provide suitable instruction to the District Crisis Group.

- The Collector shall seek help from Chief Secretary, Chairman, State Crisis Group, Gujarat State depending upon the state of emergency. For this he shall be in touch with State Control Room, Gandhinagar or Chief Secretary, Gujarat State for progress of emergency.

Roles and Responsibilities of Different Key Departments	Before Emergency	During Emergency	After Emergency
Collector & DM	• Training and Rehearsals • Develop disaster management plans at all levels down to the village level. (DDMC) • Hold regular meetings on disaster management including government, NGOs and private sectors. (DDMC) • Check warning, communications and other systems (DDMC), is including the use of drills. • Mobilize task forces at all levels (District, Taluka, village depending on disaster) (DDMC, Telecommunications, Media Task Forces). • Assign/guide district departments for preparedness task as & when required.	• Shall provide suitable instruction to the District Crisis Group, Local Crisis Group of Bharuch, Vagra, Ankleshwar and Jhagadia Panoli, Control Room. • Provide reinforcement and support for emergency response from the district resources, Such as technical expert opinion combating fire fighting. • Evacuation of people, rescue operation to save the life of people incase of disaster. • Effective working of communication system, traffic control, evacuated property security, maintain law and order and cordon of area, environment monitoring, disease control, demolition and reconstruction of structure, transport facility for evacuation, • Provide relief & shelter after/ during emergency, damage assessment & funeral process. • Shall asked help from Chief Secretary, Chairman, State Crisis Group, Gujarat State depending upon the status of emergency. • Shall Instruct Superintendent of railway to stop train in case of any emergency. • Establish regular liaison with State Control Room. • Assign/guide district departments for relief & rescue work as & when required.	• Start Rehabilitation activities. (DDMC) • Conduct detailed survey of damage and needs. (DDMC and Damage Assessment Task Force) • Restore all public and private sector services. (DDMC) • Final Report/Case Study (DDMC) • Lessons Learned meeting. (DDMC and others) • Assign/guide district departments for relief & rehabilitation work as & when required.

Roles and Responsibilities of Different Key Departments	Before Emergency	During Emergency	After Emergency
Resident Additional Collector(RAC)	• Training and Rehearsals • Develop disaster management plans at all levels down to the village level. (DDMC) • Hold regular meetings on disaster management including government, NGOs and private sectors. (DDMC) • Check warning, communications and other systems (DDMC), is including the use of drills. • Mobilize task forces at all levels (District, Taluka, village depending on disaster) (DDMC, Telecommunications, Media Task Forces). • Assign/guide district departments for preparedness task as & when required.	• Shall provide suitable instruction to the District Crisis Group, Local Crisis Group of Bharuch, Vagra, Ankleshwar and Jhagadia Panoli, Control Room. • Provide reinforcement and support for emergency response from the district resources, Such as technical expert opinion combating fire fighting. • Evacuation of people, rescue operation to save the life of people incase of disaster. • Effective working of communication system, traffic control, evacuated property security, maintain law and order and cordon of area, environment monitoring, disease control, demolition and reconstruction of structure, transport facility for evacuation, • Provide relief & shelter after/ during emergency, damage assessment & funeral process. • Shall asked Superintendent of railway to stop train in case of any emergency. • Establish regular liaison with State Control Room. • Assign/guide district departments for relief & rescue work as & when required. • He will perform general roll during emergency as stated in District.	• Start Rehabilitation activities. (DDMC) • Conduct detailed survey of damage and needs. (DDMC and Damage Assessment Task Force) • Restore all public and private sector services. (DDMC) • Final Report/Case Study (DDMC) • Lessons Learned meeting. (DDMC and others) and reporting to State office. • Assign/guide district departments for relief & rehabilitation work as & when required. • Effective working of communication system, traffic control, evacuated property security, maintain law and order and cordon of area, environment monitoring, disease control, demolition and reconstruction of structure, transport facility for evacuation

Superintendent of Police	- S/He will keep their wireless set, public address system in working condition to warn public about disaster. - As per instruction of district collector or message of possible emergency received from other source to or feel him/her self for possible emergency, He/she will do operation such as Evacuation public warning, traffic control, cordon of area etc. required in possible affected areas of the district. - Prepare departmental Disaster Management Plan and submit copy to collector.	- S/He will perform general roll during emergency as stated in District. - S/He will keep their wireless set, public address system in working condition to inform public. - As per instruction of district collector or message received from other source, He will do operation of Evacuation & Rescue, Public warning, Communication Control, Traffic Control, Security law & order, cordon of area, Funeral etc. required in affected area of the district.	- S/He will arrange funeral process of human body. - S/He will provide security to protect properties in effected area. - S/He will perform general roll after emergency as stated in District - S/He will assess the human death. - S/He will lodging of FIR & doing of the panchanama if required in the affected area.
District Development Officer	- Before disaster/emergency, he/she will prepare plan of district for Relief and shelter work & damage assessment - With the help of village level worker; he will circulate intimation of the emergency. - He/she will keep the panchayat staff ready for possible relief and damage assessment. - Prepare departmental Disaster Management Plan and submit copy to the collector.	- As per instruction of a District collector or message, DDO will do operation of relief and shelter with their staff, group members & their staff and NGOs with their equipment and facilities. - He/she will look after the duty performs by their staff member's i.e TDMC, VDMC as per disaster management plan. - He/she will arrange for relief and shelter camps in the rural areas. - He/she ensure ground staff at headquarter during disaster.	- Starts Rehabilitation operation with staff, group members & NGOs as required with their equipment as facilities under guidance of Collector. - He/she will provide cash dolls, shanty house/ building relief, house grocery relief, death relief, food, water, clothes, utensils etc. - He/she will assess the damage occurred due to disaster / emergency with staff & Group members.
SDM & Deputy Collector	- Liaison Officer will conduct meeting of Taluka flood relief co-ordination committee and will do proper planning for mitigation of effect incase of flood, cyclone, and heavy rain fall. - District supply officer will keep at least three month of stock of essential commodity such as grain, sugar, kerosene, petrol, diesel etc.in interior area likely to be effected. - Monitor Preparatory work at Taluka level	- He will assist the Collector in the relief and rescue operation along with his staff. - Take necessary step as per DDMP plan of the district collector - District supply officer supply will look after constant watch for providing essential commodity such as grain, sugar, kerosene, petrol, diesel etc. in case of disaster /emergency.	- District supply officer will arrange for distribution of essential commodity to the affected areas through Gujarat State civil supply corporation & NGO's. - Final Report/Case Study (DDMC) - Lessons Learned meeting. (DDMC and others)
Mamlatdar	Incise of flood, cyclone, war, earth-	As per instruction of District Collector or	S/He will look out overall the

	quack, Industrial, transport, water & air pollution, pipeline etc. disaster / emergency and for mitigation of effect, he will prepare plan for incident control group of DCG & LCG. • S/He will perform general roll before emergency as stated in district off site emergency plan. • S/He as vice chairman of incident control group of DCG & Chairman of incident control group of LCG will look out overall all the function at incident place through their members and team. • S/He will keep office open with staff as control room in case of disaster / emergency i.e. flood, cyclone etc. will provide to and for information to disaster control room / district authority.	SDM or message received from other source of flood, cyclone, war, earth-quack, industrial, transport, water and Air pollution, pipeline etc. disaster / emergency s/he will send respective member of to combat and to mitigate effect at incident place. He will proceed towards incident place and will look out overall function i.e. ○Evacuation and rescue operation ○Fire / Toxic control and toxic monitoring ○Public warning and communication ○Traffic control, security, law & order, cordon of area ○Medical treatment at first aid center, causality center ○Disease control ○Demolition, Reconstruction and rehabilitation ○Transport ○Public relation and mass media communication ○Relief and shelter • S/he will perform general roll during emergency as stated in IC group of district off site emergency plan and chairman of IC team of LCG plan. • S/He will inform progress report of emergency to SDM of district authority from incident place.	function of incident place ○ Rescue ○ Health & Medical treatment of victims ○ Traffic security law and order ○ Toxic and disease control ○ Rehabilitation ○ Relief and Shelter • S/He will perform general roll after emergency as stated in IC group of district off site emergency plan and chairman of IC team of LCG plan. • S/He will provide cash dolls, shanty house, building relief, house grocery relief, and death relief. • S/He will asses the damage occurred in city area due to disaster emergency
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Taluka Development Officer – TDO	• With the village level team warning disseminate to the community • Keep staff ready for relief and damage assessment. • To update VDMP & TDMP in coordination of Mamlatdar and other line department. • To coordinate & collect information of resources & equipments from line departments, stakeholders & village.	• Taluka Development Officer will provide their staff e.g. VDMC team for public information and evacuation operation to DSP/SDM in case of flood, cyclone, heavy rainfall or other disaster/emergency. • To coordinate & support with stakeholders for resources & equipments to avail for relief & rescue teams.	• He will arrange for relief and safe shelter camps in the rural areas based on VDMP • He/she will provide cash dolls, shanty house/ building relief, house grocery relief, death relief, food, water, clothes, utensils etc. • He/she will assess the damage occurred due to disaster/emergency with staff & Group members.
District municipal officer & CO nagarpalika	• Nagarpalika operated hospitals keep ready state with Operation Theatre, equipments and medical facilities in working condition • Nagarpalika shall keep approach road of water sources, pumps in working condition, water leakage will be prevented through pipe, pipe joints and valve. Water storage tank will keep clean and will keep water without unwanted impurities • Nagarpalika shall maintain good fire fighting facility and rescue equipments. • Nagarpalika will provide bus, mini bus, trucks, and trigger, earth moving machinery for evacuation and rescue operation and transferring people from nagarpalika area. • Nagarpalika will keep their mobile public address system in working condition to give information to public. • Nagarpalika will keep drainage system in working condition. • Prepare City Disaster Management Plan and submit copy to the collector.	• Nagarpalika shall do rescue operation with well equipped equipment and trained staff. • Nagarpalika shall provide good medical treatment to victims in case of emergency in their hospital. • Nagarpalika shall provide fire tender for firefighting operating.	• Nagarpalika will restore drainage system in affected area. • Nagarpalika will restore pure drinking water in affected area. • Whenever possible, he will arrange for transportation of dead body through special vehicles. • Immediate start Sanitation work and give update work progress report to collector. • Coordinate with mamlatdar and lision officer of the taluka.

Dy. Director Industrial Safety & Health(DISH)	- Deputy Director Safety & Health will conduct meeting of District Crisis Group / Local Crisis Group and will do proper planning for mitigation of effect in case of chemical accident. - He will prepare offsite emergency plan under guidance of collector. - He will ensure disaster preparedness in factories and safety aspect in industries during inspection and regular visit. - Prepare updated Chemical database from Industries to face any chemical disaster and submit to the collector.	- S/He shall reach to the site and will assist & guide for incidence control in case of chemical/ industrial disaster. - will ensure the closer of supply lines of harmful chemical immediate in the affected area incase of fire or chemical disaster	- S/He will investigate regarding accident of fire, toxic release etc. - Submit incident/situation report to collector. - Incase of Natural disaster, submit safety assurance report of industrial area to the collector
Regional Transport Officer ARTO	- He will keep up to date list of available vehicles i.e. buses, minibus, trucks, earth moving machineries, cranes etc. - Prepare departmental disaster management plan and submit copy to the collector.	- He will arrange to provide available vehicles i.e. buses, minibus, trucks, earthmoving machineries, cranes etc. to respective authority if needed in case of emergency - He will perform duties during emergency as directed by collector.	Arrange and provide Vehicles for relief & rehabilitation work under guidance of collector.
CDHO And Civil Surgon	- In case of disaster/ emergency he/she will prepare plan for health & medical treatment and toxicity & disease control monitoring and submit to the collector. - He will keep adequate quantity of medicines and maintain Operation Theater, equipments, medical facilities in working condition - He will keep list of hospitals, available doctors & paramedical staff, available medical faculties, list of medical stores, list of medical stockiest in the district. - He will keep list of all chemical antidotes and about their quick availability in small & large quantities of them in district, country or abroad. - Will keep medical team ready along with	- As per instruction of District collector or message received from other sources disaster / emergency he will do operation of Health & Medical treatment & Toxicity & Disease control / monitoring etc. required in affected areas of the district with their staff group members & their staff as requires with available equipment & facilities. - He will perform health & medical control as well as toxicity & disease controlling & monitoring. - He will arrange providing vaccine, antidotes & medical treatment to victims. - He will ask more help from state, central Govt. through district authority in disaster/emergency. - Will take all possible steps to prevent the	- He will provide lime, bleaching powder, vaccine to avoid spreading diseases. - Will send medical team to the affected areas for treating the victims of the emergency. - Will take all possible steps to prevent the spread of disease, toxicity and epidemic. - Will arrange to educate the affected population about the health related aspects.

	the required drugs i.e. chlorine tablets, ORS powder etc. for possible affected areas. • He will maintain Ambulance in working condition with updated location list. • Prepare trained medical team for chemical disaster.	spread of disease, toxicity and epidemic.	
Executive Engineer R & B Panchayat & State	• He will prepare plan for operations like Demolition, Reconstruction & Rehabilitation and also arrange the rehearsal of plan for such activities. • He will keep the list of available vehicle in the district as well as outside district i.e. trucks, triggers, crane, dumper, bulldozer, truck, JCB etc as required in case of disaster/ emergency and also ensure that it's in working condition • He will keep the list of available movable diesel generator set in the district as well as outside district. • Based on past Experience prepare list of cut off roads and alternate route.	• As per instruction of district collector or message received from other source for disaster/ emergency he will do operation of Demolition, Reconstruction and Rehabilitation required in affected area, with their equipments and facilities. • He will arrange to provide vehicle for demolition & reconstruction. • He will perform general roll during emergency as stated in district emergency plan • If required more help, he will ask from state & central Govt. through district Authority	• He will assess the damage to govt. property and will submit the report to district authority. He will immediate restore damage road for traffic movement. • He will restore government building for use i.e. hospitals, . • He will work in coordination of line departments for restoring power, drinking water, telephone and communication system, and essential services.
Executive Engineer GWSSB	• Will keep water resources, pumps in good working condition, water leakage will be prevented through pipes, pipe joints and valve. Water storage tank will keep clean and will keep water without unwanted impurities. • Prepare departmental disaster management plan and submit copy to the collector.	• Will keep drainage system in working condition. • Will provide pure drinking water. • Will provide dewatering pump in case of flood emergency. • Coordinate distribution of water and storage and provision of information on safe water use.	• Assess status and damage to water systems. • will restore pure drinking water system in affected areas • Will conduct lessons learned meeting and submit report to the collector. • Prepare & implement long term mitigation project in Bharuch district.

Roles and Responsibilities of Different Key Departments	Before Emergency	During Emergency	After Emergency
Executive Engineer Electricity Department	- All safety arrangements should check. - He will keep surplus stock of equipments and arrangement for testing equipments urgently in case of emergency. - Similarly he will continue system of stopping electricity in flooded area and electricity while area becomes non-flooded. - Prepare departmental disaster management plan and submit copy to the collector.	- Will arrange to provided generator as and when require by District Collector. - Will keep electricity flow continuous and if required, stop electricity for safety purpose.	- Restore power supply in affected area. - Assess damage of Electricity property in case of disaster / emergency. - Coordination with govt. & private Electricity companies for rehabilitation work and report to the collector.
Executive Engineer Irrigation	- Prepare departmental disaster management plan and submit copy to the collector. - Department will keep their wireless set always in working condition to inform govt. department/public in case of emergency. - Irrigation Department will maintain and monitor check dam level at safe limit and give updated details to district disaster control room, Collector & concern officers.	- Constant monitor Progress of dams/check dam level and inform to district collector control room. - Constant monitor water flow of river and upper catchment areas rain and update information for further course of action during disaster.	- Assess the damage of check dams prepare plan for restoration and submit to the collector. - Will conduct lessons learned meeting and submit report to the collector. - Will do detail study if river change its traditional flow route, prepare study report and submit to the collector and state authority.

Roles and Responsibilities of Different Key Departments		Task to be performed before/during /after disaster or emergencies		
GPCB(Gujarat Pollution Control Board)		GPCB will ensure environment monitoring equipment in working condition and also perform the decontamination activity in affected area. GPCB will also solve the emergency due to water pollution.		
District Supply Officer		District supply officer will keep at least three month of stock of essential commodity such as grain, sugar, kerosene, petrol; diesel etc. in interior area likely to be effected and during emergency will look after constant		
		sock and proper distribution through NGOs.		
District Agriculture Officer		District Agriculture Officer will continuously monitoring food crop & other plant regarding poisoning effect. He will also destroy food crop & other plant incase of poisoning effect. He will assess the damage of agriculture crop & land.		
Fisheries Officer		Asst. Fisheries Officer will inform to fishermen / Public in case of probable cyclone emergency as well as keep the updated list of swimmers and availability of boat and provide during emergencies.		
Animal Husbandry Officer		The Animal Husbandry Officer will keep adequate quantity of vaccine / medicine in case of decease occurs due to dead animal.The dead animal will be disposed in a scientific way also treat the injured animals.		
Divisional controller GSRTC		He will inform public through his control, also he will arrange buses if required for evacuation incase of disaster/emergency. He will prepare alternate route for cut off roads and submit to the collector.		
Superintendent of railway		Superintendent of Railways will stop railway as per instruction pass by District Collector or SDM in case any emergency & will provide railway train – goods train for public transfer and emergency work distribution.		
Port officer		The Port Officer will inform to fisherman / Public in case of disasters / emergency of cyclone. He will inform and do evacuation of Port workers in case of cyclone or other emergency. He will ensure the safety of ships and ports.		
Civil defence		Civil Defence Inspector will conduct meeting and will do proper planning for mitigation of effect in case of war. He will also train the large amount of people to mitigate the effect of war. He will provide staff and trained person for rescue operation.		
Home Guard Commandant		The District Home Commander will assist D.S.P. for Public Information and evacuation through their Home guards in case of emergency. He shall make available the required number of home guard as and when inform by the Collector /Superintendent of Police as well as keep the updated list of swimmers for rescue work		

ESF No.	ESF Name	Function Lead and Department	• Support Departments/Agencies	• Functions during Emergency
ESF 01	Communication	EOC / Dept. of Science and Technology	• BSNL and other service providers • All India Radio/Television • Satellite • Mobile • Ham Radio • Police Wireless (POLNET)	• To restore communication facilities after disaster. • To provide emergency communication linking for EOCs. • To ensure early warning communication to identified stakeholders at community level. • To ensure communication facilities to support state and district actions • To coordinate the temporary communication requirements
ESF 02	Search and Rescue	S.P., Police	• Fire Officer, Fire Services • Home Guard • Gram Raksha Dal • NSS / NCC / NYKS • SEOC • Paramilitary Forces – CRPF and SRP • NDRF • Air Force / Army	• To check the evacuation tools and equipment • To work out evacuation Plan • To establish linkages and coordination with camp office • To carry drinking water and packed food, emergency medicine etc. for the victims. • To priorities evacuation of children, women, old, disabled etc. • To avoid overloading
ESF 03	Relief and Shelter	RAC/Additional Collector District Nodal Officer (Disaster Management)	• Panchyat • Food and Civil Supply(DSO) • Home Guards • Education • ICDS • R & B • Red Cross Society • Industries / CBOs • NCC/NSS/NYKS	• To carry cooked dry, fast food materials in properly packaged form for immediate distribution. • To organize the supply of drinking water • To setup Shelter camps, Kitchen camps, mobilize volunteers for cooking, serving, washing etc. • To organize Supply of food grains and vegetables • To line up teams of local youths to carry those rescued to relief and shelter camps. • To maintain record of names, villages, Panchayat and Talukas to which the victims belong • To setup latrine and bathrooms • To take special care of children, women, old and disabled, especially those separated from families. • To setup disaster relief centre to receive, collect, sort out and distribute relief materials.

ESF along with appointed officials from the primary and secondary agencies with Functions				
ESF No.	ESF Name	Function Lead and Department	Support Departments/Agencies	Functions during Emergency
ESF 04	Health and Sanitation	Civil Surgeon, Health Department	- Hospitals - Nagarpalika/Municipal Corporation - Red Cross Society - Civil Defence	- To check the equipments and stock of medicines - To teams formation of medical personnel - To organize first aid providing team in larger number - Public health advice and warnings to participating agencies and the community - To organize mobile medical van to attend to emergency needs - To carry medical camp setting facilities - To keep an eye on the possibilities of outbreak of epidemics. - To include locally available medical staff in health check up exercise. - To keep record of patients treated.
ESF 05	Livestock Shelter and Fodder	Dept. of Animal Husbandry	- Veterinary Hospitals - Fodder Suppliers - Panjarapol	- To setup feeding camp for animals at some distance from shelter for human beings. - To vaccinate the animal if not vaccinated earlier. - To organize disposal of garbage. - To mobilize veterinary team locally.
ESF 06	Drinking Water and Supplies	GWSSB, Water Supply	- Minor Water Resources - DRDA - Electricity Department - Corporate Support - NGOs	- To identify the sources to provide drinking water and restore supply. - Restoration of well. - To install hand pumps. - To provide Chlorine tablets. - To distribute mineral water bottles of available in large stock.

ESF along with appointed officials from the primary and secondary agencies with Functions				
ESF No.	ESF Name	Function Lead and Department	Support Departments/Agencies	Functions during Emergency
ESF 07	Power	Executive Engineer, MGVCCL/DGVCL	- Genset Suppliers - Other Power generation providers	- To carry repair and maintenance kits for generator sets and other devices. - To check electricity supply line and restore supply. - To organize alternative source to provide electricity. - To carry replacement generator set where need be. - To organize and ensure power supply to hospitals, shelter camps, kitchen, onsite EOCs and other important institutions.
SF 08	Transport	RTO	- ST(state transport) - Private Transport Carriers - Private Boat Owners - Ambulance Service - Railways - Air Force	- To know loading and unloading point nearest to the incident site. - To coordinate the transport requirements of the emergency support forces. - To arrange transportation of relief and rescue materials. - To coordinate and provide transport facilities to all support agencies. - To regulate the movement of traffic onsite
ESF 09	Public Works	R & B , Nagarpalika	- Panchyat - Health - Education - ICDS - Police - Water Supply	- To restore the road connectivity. - To construct temporary bridges where required - To organize repairing of health centre, schools, important buildings - To undertake supervision and surveillance of construction works
ESF 10	Removal and Clearances	R & B , Nagarpalika	- Revenue - Civil Surgeon, Health - Department - R & B - Home Guards - Police - Community - NCC / NSS / NYKS	- To organize voluntaries for removal of dead bodies both human and animal. - To organize local force for clearing debris of building, bridges, road etc. for reconstruction - To organize local for chopping and removing of fallen trees etc. - To organize burning or burying of the dead bodies

ESF along with appointed officials from the primary and secondary agencies with Functions				
ESF No.	ESF Name	Function Lead and Department	Support Departments/Agencies	Functions during Emergency
ESF 11	Information Dissemination and Helpline	Information Dept.	• Revenue • Panchayat • Police • Media • Colleges and Universitie • NCC / NSS / NYKS	• To gather correct information from authorities onsite. • To keep the list of persons recued with full details. • To keep the list of persons missing. • To keep the no. of dead bodies and the locations they have been put. • To keep a track of which team is positioned with location. • To make use of the public address system to call any body • To schedule working in short duration Evacuation & Shalter.
ESF 12	Damage Assessment	DDO	• Dept. of Agriculture • DRDA • Nagarpalika • Civil Surgeon, Health Dept. • Animal Husbandry • Water Supply • DGVCL • Line Departments for departmental loss	• To conduct damage assessment using the format during and immediately after the disaster. • Taluka and Panchayats affected, Affected Population Size, Human lives lost, Livestock lost, Resources damaged Infrastructure damaged Roads, Bridges Schools, Hospitals, Anganwadis, Panchayat Bhawan, Houses, Govt. Buildings, Electric Supply, Water Supply, Crops/ Agricultural Land
ESF 13	Relief Material Management	RAC/Additional Collector ((District Nodal Officer) Disaster Management	• District Warehouses • NCC / NSS / NYKS • NGOs / CBOs • Merchant Association • Industrial Association • Hotel Association	• To set up Relief Material management camp onsite to create three centres: Fund, Relief, Services. • To carry receipts Stamps etc. for cash / cheque / draft • To identify storage centre for receiving relief materials for storing, packing and proper distribution of the same. • To keep records of supplies sent, with whom and when. • To depute volunteers required, and take care of their basic needs as well reliever teams i.e. Food and Rest etc.

ESF along with appointed officials from the primary and secondary agencies with Functions				
ESF No.	ESF Name	Function Lead and Department	Support Departments/Agencies	Functions during Emergency
ESF 14	Media	Information Dept.	Disaster Management Dept.	- Organize media briefing by senior officer in-charge. - Provide graphic and statistical details to the extent possible. - Organize visit to shelter, relief and various activity camps. - Organize briefing on daily basis preferably in evening. - Make the media men interact with other Emergency Functionaries if possible.
ESF 15	Law and Order	Superintendent of Police, Police Dept.	- Revenue - Home Guards Commandant - Para-military (CRPF, SRP) - Armed Forces	- Posting of Police Home Guard, Civil Defence forces in strategic places. - Preservation of peace and good order (Particularly in case of Riots/Accidents/Fire). - Prevention of crime. - Security of any site as a possible crime scene (Particularly in case of Riots/Accidents/Fire) - Investigation of the criminal aspect of any event. - Traffic control, including assistance with road closures and maintenance of road blocks. - Crowd management/public safety. - Coordination of search and rescue. - Security of evacuated areas

1.5 Stakeholders and their responsibilities

At State HQ level - the State Disaster Management Authority and the Office of the Commissioner of Relief (CoR), Revenue Department, are the major institutions in the State that deal with all the phases of disaster management. All the major line departments of the State Government and the emergency support function agencies converge into SEOEC during disasters.

At the District level, District Disaster Management Authority, with the District Collector designated as Response Officer (RO), and other line departments at district HQ are responsible to deal with all phases of disaster management within district.

Other technical institutions, community at large, local self-governments, NGOs etc. are also stakeholders of the District Disaster Management Pan. The role of the stakeholders has been prepared with the sole objective of making the concerned organizations understand their duties and responsibilities regarding disaster management at all levels and accomplishing them.

The District Collector has the following duties:

- 1.To facilitate and coordinate with local Government bodies to ensure that pre and post disaster management activities in the district are carried out.
- 2.To assist community training, awareness programmes and the installation of emergency facilities with the support of local administration, non-governmental organizations and the private sector.
- 3.To function as a leader of the team and take appropriate actions to smoothen the response and relief activities to minimize the adverse impact of disaster.
- 4.To recommend the Commissioner of Relief (CoR) and State Government for declaration of disaster.

Local Authorities have the following duties:

1. To provide assistance to the District Collector in disaster management activities.
2. To ensure training of its officers and employees and maintenance of resources so as to be readily available for use, in the event of a disaster.
3. To undertake capacity building measures and awareness and sensitization of the community
4. To ensure that all construction projects under it conform to the standards and specifications laid down. Each department of the Government in a district shall prepare a disaster management plan for the district. The local authorities need to ensure that relief, rehabilitation and reconstruction activities in the affected area, within the district, are carried out.
5. Trust / Organisations managing Places of Worship & Congregation
Each establishment / organisation identified as —critical infrastructure and key resource],
 - a. Including places of congregation in a district shall prepare —on-site] and —off-site]
 - b. Disaster management plan. Carry out mitigation, response, relief, rehabilitation and
 - c. Reconstruction activities.

Private Sector:

- 1.The private sector should be encouraged to ensure their active participation in the pre- disaster activities in alignment with the overall plan developed by the DDMA or the Collector.
- 2.They should adhere to the relevant rules regarding prevention of disasters, as may be stipulated by relevant local authorities.
- 3.As a part of CSR, undertake DRR projects in consultation with district collector for enhancing district 's resilience.

Community Groups and Volunteer Agencies:

- 1.Local community groups and voluntary agencies including NGOs normally help in prevention and mitigation activities under the overall direction and supervision of the DDMA or the Collector.
- 2.They should be encouraged to participate in all training activities as may be organized and should familiarise themselves with their role in disaster management.

Citizens:

It is the duty of every citizen to assist the District Collector, or such other person entrusted with or engaged in disaster management whenever demanded generally for the purpose of disaster management.

1.6 How to use the Plan:

- 1.Section 31 of DM Act 2005 makes it mandatory for every district to prepare a disaster management plan, for the protection of life and property from the effects of hazardous events within the district.
- 2.In significant emergencies or disasters, District Magistrate or the chairperson of DDMA will have the powers of overall supervision direction and control as may be specified under State Government Rules / State Disaster Management Plan guidelines.
- 3.The district EOC will be staffed and operated as the situation dictates. When activated, operations will be supported by senior officers from line departments and central government agencies; private sector and volunteer organizations may be used to provide information, data and resources to cope with the situation.
- 4.The DDMA may recommend for action under Sec 30 of DM Act.
- 5.Facilities that have been identified as vital to operation of the district government functions have been identified.
- 6.The DM or his designee will coordinate and control resources of the District.
- 7.Emergency public information will be disseminated by all available media outlets through the designated media and information officer.
- 8.Prior planning and training of personnel are prerequisites to effective emergency operations and must be considered as integral parts of disaster preparations.

9.Coordination with surrounding districts is essential, when an event occurs, that impacts beyond district boundaries. Procedure should be established and exercised for inter district collaboration.

10.Departments, agencies and organizations assigned either primary or supporting responsibilities in this document must develop implementation documents in order to support this plan.

11.When local resources prove to be inadequate during emergency operations, request for assistance will be made to the State or higher levels of government and other agencies in accordance with set rules and procedures.

12 District authority will use normal channel for requesting assistance and/or resources, i.e., through the District Emergency Operations Center (DEOC) to the State EOC. If state resources have been exhausted, the state will arrange to provide the needed resources through central assistance.

13.The District EOC will coordinate with the State EOC, Agencies of the Govt. of India like IMD / CWC to maintain upto-date information concerning potential flooding, cyclones etc. As appropriate, such information will be provided to the citizens of the affected areas in the district.

14.Upon receipt of potential problems in these areas, DEOC / designated officials will appropriately issue alert and notify action to be taken by the residents.

15.Disaster occurrence could result in disruption of government functions and, therefore, all levels of local government and their departments should develop and maintain procedures to ensure continuity of Government action.

It is necessary that for suo-moto activation of the agencies involved in the disaster management, the institutional trigger mechanism should be there so that every agency takes its assigned role at the time of such disaster. There will be three types of Trigger mechanism that will be set up depending upon the warning signals availability as mentioned below:

1.6.1 Warning Signal Available:

In such case the Govt. of India / State Govt. has authorized agencies generating such early warning signals; in case the matter is very urgent needing action at Block/Tehsil/Village levels, the alerts and action points will go directly to all concerned. Arrangements need to be in place to ensure prompt receipt of these signals and action thereon. After such warning/advisory received by the State Govt., the SEOC will communicate it to the DEOC urgently. The DEOC will communicate such warning to the departments at the district level. The information flow in such cases will be as follows: -

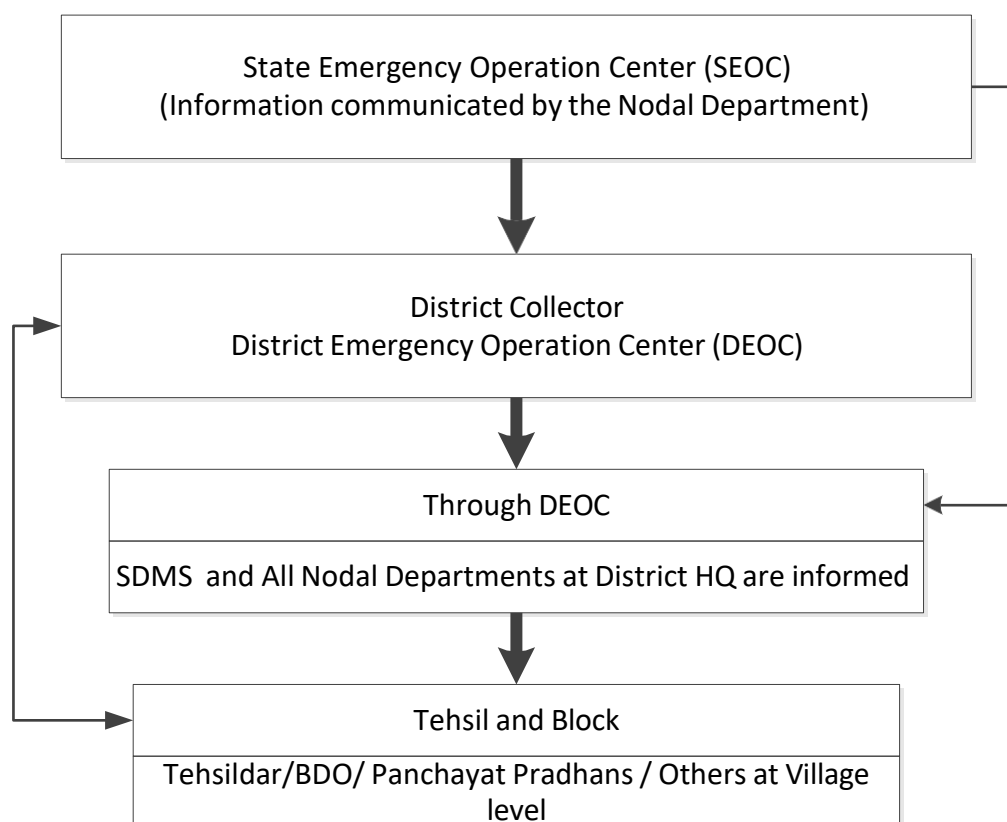


Figure 1: With warning Information flows from Top - Down

1.6.2 Without Early Warning Signal:

When disaster occurs without any early warning in that case the information starts from the place of incident through government agency or otherwise and the institutional mechanism in such cases will be as follows: -

- i. The concerned village will report to the Panchayat, block, police station/SDM/DM and the information will be sent to the Deputy Commissioner.
- ii. DDMA will assess the information and assess the disaster to be of the level L0, L1, L2 or L3.
- iii. DEOC will be activated and if required the SEOC will be kept at alert if assistance needed; otherwise information of the incident will be passed on to SEOC.
- iv. DDMA will convene the meeting of DEOC and plan the management of the disaster as Incident Response Plan.
- v. The respective Incident response teams will be rushed to the site for effective management.

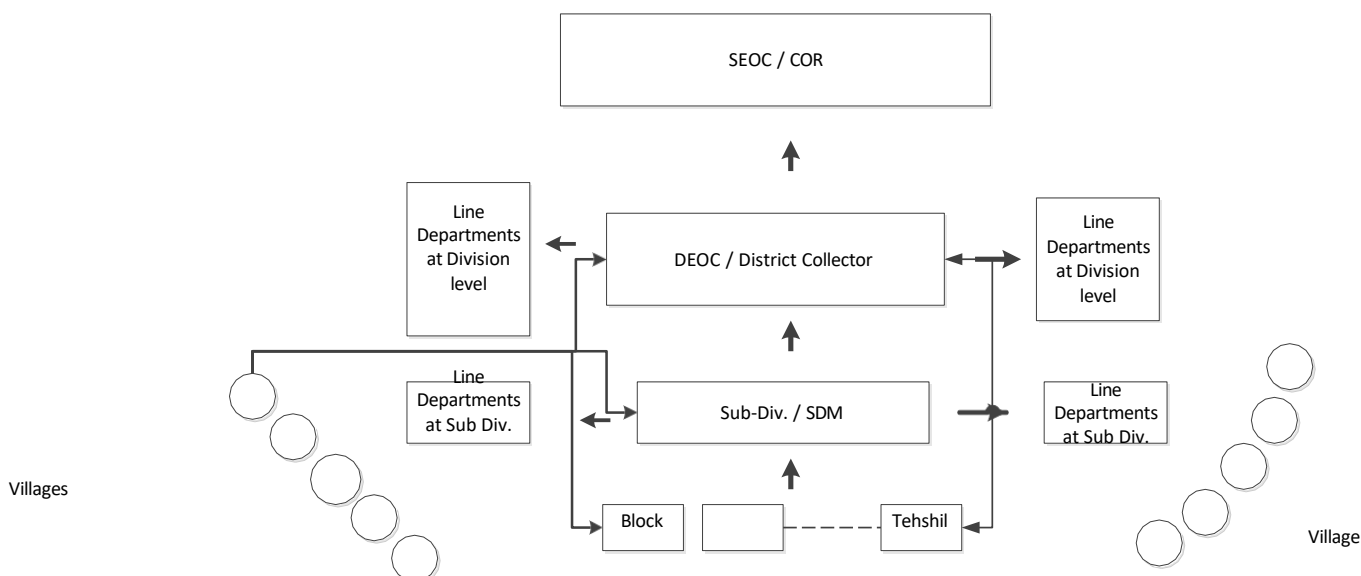


Figure 2: Without Warning – Information, generally, should flow from Bottom side – up but it is a crisscross scenario

The disaster response structure will be activated on the receipt of a disaster warning or on the occurrence of a disaster by the competent authority. The occurrence of a disaster may be reported by the concerned monitoring authority to the Commissioner of Relief/SDMA by the fastest means. The SDMA/SEC will activate all departments for emergency response including the State EOC, District EOC, police personnels and ERCs. In addition, they will issue instructions to include the following details:

- i. Exact quantum of resources (in terms of manpower, equipments and essential items from key departments/stakeholders) that is required.
- ii. The type of assistance to be provided.
- iii. The time limit within which assistance is needed.
- iv. Details of other Task/Response Forces through which coordination should take place.
- v. The State EOC, ERCs and other control rooms at the State level as well as district control rooms should be activated with full strength.

1.7 Approval Mechanism of the Plan:

As defined in Section 30 of DM Act 2005, DDMA shall act as the district planning; coordinating and implementing body for disaster management and take all measures for the purpose of disaster management in the district in accordance with the guidelines laid down by the National Authority and the State Authority.

Accordingly, the District DM plan shall be prepared by the District Authority, after consultation with the local authorities and having regard to the National DM Plan and the State DM Plan.

1.8 Plan review and updation periodicity:

Training- After developing a plan, it must be disseminated and managers must be required to train their personnel so that they have the knowledge, skills and abilities needed to perform the tasks identified in the plan. Personnel should also be trained on the organization-specific procedures necessary to support those plan tasks.

Exercise the Plan - Evaluating the effectiveness of plan 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. The purpose of an exercise is to promote preparedness by testing policies plans and training personnel.

Revise and Maintain - Planning teams should establish a process for reviewing and revising the plan. Reviews should be a recurring activity. Review on an annual basis is considered minimum. It should be mandatory to consider reviewing and updating the plan after the following events:

- A major incident.

- A change in operational resources (e.g., policy, personnel, organizational structures, Management processes, facilities, equipment).

- A formal update of planning guidance or standards.

- Each activation.

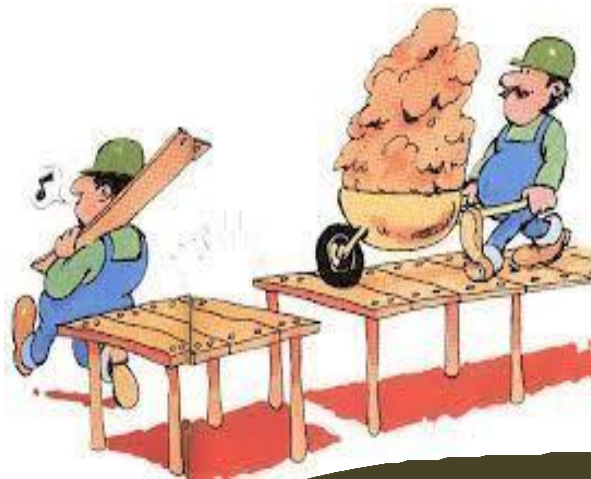
- Major exercises.

- A change in the district's demographics or hazard or threat profile.

- The enactment of new or amended laws or ordinances.

- The responsibility for the coordination of the development and revision of the basic plan, annexes, appendices and implementing instructions must be assigned to the appropriate person(s).

It is recommended that a DDMP be **internally reviewed on a yearly** basis and either be updated or reaffirmed. The updates or reaffirmed document may also be used to summarize the accomplishments of the past year and help the administration to prioritize mitigation goals for the next year.



Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT



Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT

BHARUCH district faces a number of hazards, which pose the threat of disaster. The threat (risk) and possible impact (vulnerability) which can be actualized from these hazards ranges from minor impacts affecting one village to events impacting larger than the state alone.



HRVC analysis includes comprehensive, well-linked risk assessment and vulnerability identification for various hazards. This information is useful to analyze, it gives us information about the aspects and infrastructure at risk, the population at risk and elements that are more capable of withstanding hazards. Vulnerability assessment deals with socio- economic vulnerability, housing vulnerability and environmental vulnerability. HRVC analysis includes resource inventory/capacity analysis, assessment of preparedness measures in terms of communication systems, public distribution systems, storage facilities, transportation facilities, medical facilities, fire stations, hazard resistant shelters with their capacity, presence of NGOs and other volunteers etc. to enable quick and prompt response.

2.1 Multi-Hazard Profile of Bharuch *(Based on discussions with different departments)*

Hazard	Taluka under severe risk	Taluka under moderate risk
Flood	Jhagadia, Bharuch, Anklesvar	Amod, Vagra, Valia, Hansot, Jambusar, Netrang
Cyclone	Jambusar, Hansot, Vagra	Jambusar, Hansot, Vagra
Earthquake	All taluka in Zone III	
Drought	----	Vagra, Jambusar
Industrial/Chemical	Ankleshvar, Vagra, Jhagadia, Bharuch, Valia, Amod, Hansot, Jambusar	
Tsunami	Jambusar, Hansot, Vagra	

(Annexure –A to G)

Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT

Criteria for Classification of Risk by Taluka

Hazard	Taluka are at severe risk	Taluka are at moderate risk
Flood	Talukas which are affected by flood for more than 5 years in last ten years	Talukas which are affected by flood for at least 3 years in last ten years
Cyclone	Talukas that fall between 0 to 7 Km distance from the sea	Talukas that fall between 7 to 15 km distance from the sea
Earthquake	Talukas falling under the Seismic Zone IV and V	Talukas falling under Seismic Zone II and III
Drought	Talukas facing scarcity of drinking water for more than 5 years in last ten years	Taluka facing scarcity of drinking water for at least 3 years in the last ten years
Industrial/Chemical	Talukas lying within vicinity of 5 Km from MAH units and/or vital industrial/ chemical/nuclear installations	Talukas lying within vicinity of 5-15 Km from MAH units and/or vital industrial installations
Tsunami	Talukas that lie between 0 to 7 Km distance from the sea	Talukas that lie between 7 to 15 km distance from the sea

The above table summarizes the results of an analysis of hazard, risk and disaster impact in Bharuch. This analysis indicates that disaster planning at the Bharuch district typical responses to these disaster events can apply to floods, the industrial and chemical hazards, hail storms, dam failure, fire, failure of critical infrastructure and building collapse and Road Accidents.

Inference from HRVC

As Bharuch District is in close proximity to the sea and a perennial large river like the Narmada, the area is prone to cyclone and flood risk. There is moderate risk of earthquake and drought too. With increased industrialization and presence of Ankleswar, Dahej, Jagadia and Vilayat Industrial estate, the risks associated with industries and industrial development have also enhanced. Stress on natural resources lead to ground water depletion, reduced land resources and environmental hazards (land, water and air pollution), which ultimately affects livelihoods of communities dependant on agriculture, animal husbandry and natural resources in the region. Moreover, other phenomenon like sea water intrusion and increased ground and water salinity has also adversely affected the lives and livelihood of people here.

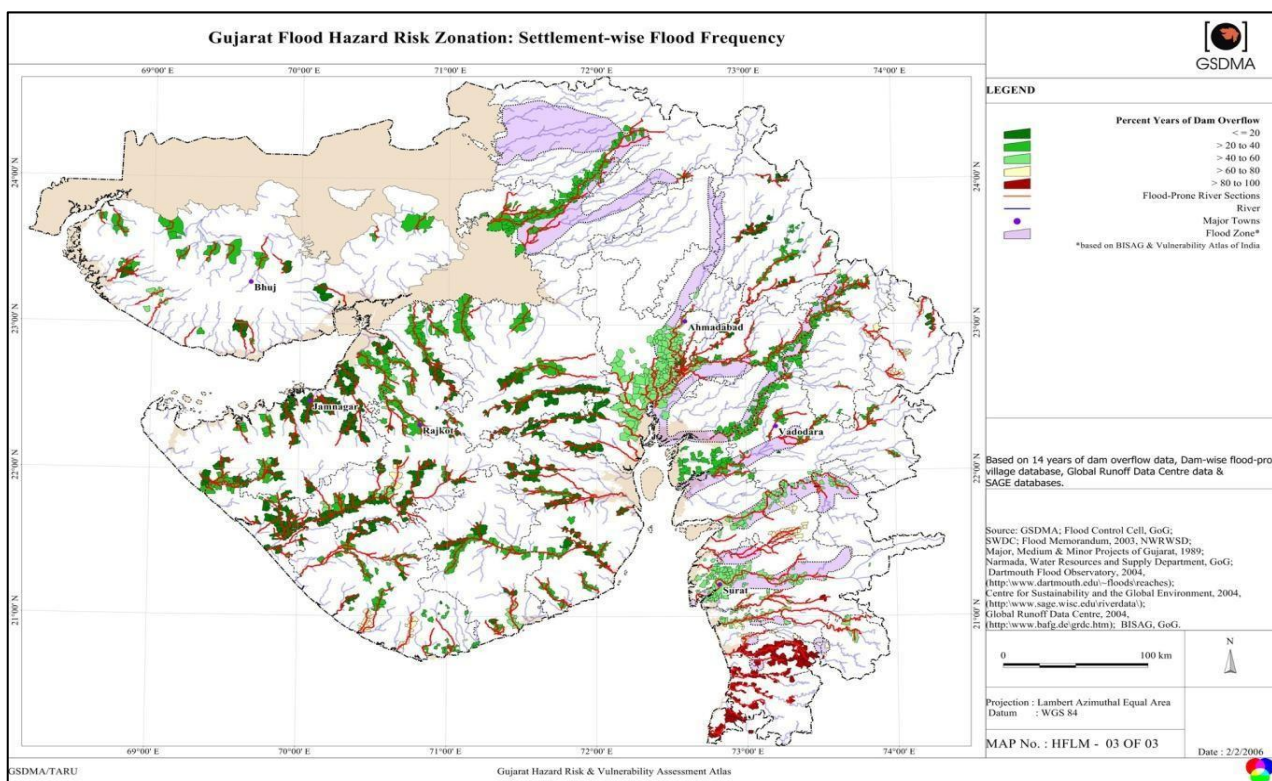
Hazchem and Hazmat transportation risk:

Hazmat risk: There is extensive risk of fire during transportation of hazardous chemicals and coal on roads and railways. Moreover, there is risk of spillage of chemicals during transportation through waterways. There is low awareness on the part of general public on hazards and safety during transportation of hazardous chemicals, which travel frequently and in large volumes through the National Highway and the Bharuch - Dahej state highway. Villages on the railway route of Mumbai line and also the Bharuch – Vagra – Dahej line are at risk due to transportation of hazardous material.

Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT

2.2 Flood Hazard Identification and Risk Assessment



Disasters arising out of natural calamities like floods are a real and serious threat in Bharuch district due to the presence of river Narmada, **Dhadhar and Kim** as well as

Sr. No.	Year	Danger Level Crossed Details
		Foot
1	1970	41.500
2	1973	37.070
3	1979	31.500
4	1984	35.000
5	1990	37.010
6	1994	39.540
7	2006	32.000
8	2013	35.750
9	2015	22.300
10	2020	35.160
11	2021	21.500
12	2022	26.642
13	2023	41.00
14	2024	26.50
15	2025	29.00

heck dams like Pingot on tokarikhadi and Baldewa on kaverikhadi in Valia & Netrang taluka and Dholi on Madhumatikkhadi in Jhagadia taluka.

The flooding may occur as a result of heavy monsoons or even cyclones. In the past, the areas of Bharuch and Ankleshwar talukas have been regularly and severely affected by flooding of the Narmada River. In the year 1994, certain low-level areas of even Valia taluka had been affected by Kim River.

Thus, flood can cause damage to human lives and property in Valia, Jhagadia, Bharuch, Ankleshvar, Amod, Vagra, Hansot and Jambusar & Netrang taluka as well as the low-lying areas of Bharuch District. The high-water levels can arise due to floods, high rainfall, cyclones, high tides in the sea, etc. and consequent choking of the drainage system can cause serious effects. Possible consequent damages in industrial areas can cause fire, explosion, toxic release and poisoning hazard and harm human lives and property. The shanty houses in the low-level area can be severely affected by flood.

In “**18 September 2023**” the Flooding was occurred as part of Sardar Sarovar Dam suddenly released 18 lakh cusecs of water in downstream of Narmada River area because of heavy rainfall in Madhya Pradesh.

Water level touched the 41ft mark at the Golden Bridge at after 10pm, while the district faced flood-like situation in many low-lying areas of Bharuch, Ankleshwar and Jhagadia talukas.

The district administration decided to close the Narmada Maiya Bridge and traffic was diverted to NH 48 and evacuated 5700 peoples from low-lying areas and shifted them to 22 shelter homes. A total of 300 cattle were also taken to the safe places. With the water level rising continuously the SDRF and NDRF team were deployed on alert basis in district. The adjoining table cites the past years in which the water level of river Narmada at the Golden Bridge has reached truly catastrophic limits.

2.2.1 Flood Related Information

Flood Related Information

	Golden Bridge	Garudeshvar		
Warning Level	22 feet (6.705 meters)	99.68 feet (30.378 meters)		
Danger Level	24 feet (7.315 meters)	102.00 feet (31.089 meters)		
Conversion Ratio	1 feet = 0.3048 meter	1 meter = 3.281 feet		

Feet	Meter	Instruction											
		Alert				Ready for Evacuation				Immediate Evacuation			
		Taluka				Taluka				Taluka			
		Bharuch	Ankleshwar	Jhagadia	Hansot	Bharuch	Ankleshwar	Jhagadia	Hansot	Bharuch	Ankleshwar	Jhagadia	Hansot
22	6.71	Bharuch City	Khalpiya, Sarfuddin										
23	7.01					Bharuch City	Khalpiya, Sarfuddin						
24	7.32									Bharuch City	Khalpiya, Sarfuddin		
25	7.62		Juna Kansia										
26	7.93	Dasan Bet, Kabirvad Bet	Juna Chapara, Koayai, Dhaturiya, Tariya Bavali				Juna Kansia						
27	8.23					Dasan Bet, Kabirvad Bet	Juna Chapara, Koayai, Dhaturiya, Tariya Bavali				Juna Kasiya		
28	8.54			Ore, Patar, Juni Tarsali, Juna Tothidra, Juna Pora						Dasan Bet, Kabirvad Bet	Juna Chapara, Koayai, Dhaturiya, Tariya Bavali		

Feet	Meter	Instruction											
		Alert				Ready for Evacuation				Immediate Evacuation			
		Taluka				Taluka				Taluka			
		Bharuch	Ankleshwar	Jhagadia	Hansot	Bharuch	Ankleshwar	Jhagadia	Hansot	Bharuch	Ankleshwar	Jhagadia	Hansot
29	8.84	Sukaltirth, Kadod	Juna Haripura					Ore,Patar, Juni Tarsali, Juna Tothidra, Juna Pora					
30	9.15	Tavara Bet	Borbhatha (bet), Juna Borbhatha	Indor,Juni Jarsad, Mota vasasa		Sukaltirth, Kadod	Juna Haripura					Ore,Patar, Juni Tarsali, Juna Tothidra, Juna Pora	
31	9.45					Tavara Bet	Borbhatha (bet), Juna Borbhatha	Indor,Juni Jarsad,Mota vasasa		Sukaltirth, Kadod	Juna Haripura		
32	9.76		Ankleshwar	Nana Vasana						Tavara Bet	Borbhatha (bet), Juna Borbhatha	Indor,Juni Jarsad,Mota vasasa	
33	10.1		Sakkarpora, Pungam, Divi,Divi				Ankleshwar	Nana Vasana					
34	10.4						Sakkarpora, Pungam,Divi, Divi				Ankleshwar	Nana Vasana	
35	10.7			Bhalod, limodra	Hansot						Sakkarpora, Pungam,Divi, Divi		
36	11							Bhalod, limodra	Hansot				
37	11.3	Nikora, Dashan		Vadhvana								Bhalod, limodra	Hansot
38	11.6	Jhanor, Mangeles hvar		Velugam		Nikora, Dashan		Vadhvana					

Feet	Meter	Instruction											
		Alert				Ready for Evacuation				Immediate Evacuation			
		Taluka				Taluka				Taluka			
		Bharuch	Ankleshwar	Jhagadia	Hansot	Bharuch	Anklesvar	Jhagadia	Hansot	Bharuch	Anklesvar	Jhagadia	
39	11.9	Sindhot				Jhanor, Mangeleshvar		Velugam		Nikora, Dashan		Vadhvana	
40	12.2	Vadva	Sajod	Vanakpor, Panetha, Kakalpor, Sarsad		Sindhot				Jhanor, Mangeleshvar		Velugam	
41	12.5			Uchediya, Krushnapuri		Vadva	Sajod	Vanakpor, Panetha, Kakalpor, Sarsad		Sindhot			
42	12.8							Uchediya, Krushnapuri		Vadva	Sajod	Vanakpor, Panetha, Kakalpor, Sarsad	
43	13.1	Karjan										Uchediya, Krushnapuri	
44	13.4	Jhadeshwar				Karjan							
45	13.7					Jhadeshwar				Karjan			
46	14									Jhadeshwar			

Chapter 2 HAZARD, VULNERABILITY AND RISK ASSESSMENT

2.2.2 Areas Affected By Dhadhar River

Amod Taluka
Warning Level 99.00 feet
Danger Level 101 feet

Jambusar Taluka
98.00 feet

Amod Taluka Villages	Jambusar Taluka Villages
Vasana, Manjola, Kankaria, Ikhar, Danda, Sarbhan, Nodhana, Dadapur, Kobla, Amod, Pursha	Valia, Asaroi, Kundal, Bojedara, Nada, Devla, Bhadkodra, Sigam, Muradpur, Kavi, Jantran, Medafar-Neja, Tankari, Khanpur, Mahapura, Magnad, Jambusar, Koteshtar, Nobar, Uber, Nondhana, Jafarpura, Kupriya, Malpur, Vad, Kora, Kava, Umara, Ankhi, Vahelam

(Annexure - B)

Source: Flood Warning Arrangement, 2022

2.2.3 Areas Affected By Dam-site

Sr.No	Dam Name	Warning Level (in meters)	Danger Level (In Meters)	Taluka	Affected Villages
1.	Dholi Dam	136.00	137.41	Jhagadia	Dholi, Razalwada, Mota Sorva, Rajpardi, Bilwada, Katol, Sarsa, Kapat, Vanakpor
2.	Pignuts Dam	139.70	141.34	Valia	Gundiya, Kamaliya, Rajpara, Jambujam, Vandariya, Chor-Amala, Umargam, Sodgam, Sinoda,
3.	Baldeva Dam	141.50	143.20	Valia	Seer , Dolatpur , Desad, Kesar Gam , Singala, Pithor
4	Pingut Dam	139.70	141.34	Netrang	Moza , Chikhali , Navapara
5	Baldeva Dam	141.50	143.20	Netrang	Kambodia, Baldeva, Panchsim, Zarna, Borkhadi, Chaswad, ,

(Annexure - D)

Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT

Risk and Vulnerability Assessment (Current Year Projection)

Physical Vulnerability

Hazard	No. of Villages	No. of People	No. of Live stock	No. of Kucha Houses	No. of Pucca Houses	Area under Agriculture (Hectare)
Flood	216	584865	115556	59104	44711	129584
Cyclone	43	104296	32272	9934	10979	35754
Industrial and Chemical	71	139156	37366	16586	10763	30125
Tsunami	43	104296	32272	9934	10979	35754

(Annexure – A to G)

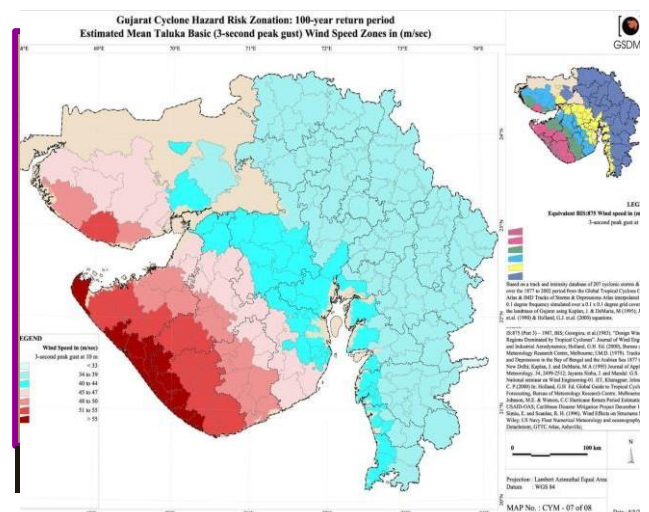
Health Infrastructure at risk

Hazard	Sub Centre (no.)	PHC (no.)	CHC (no.)
Flood	24	14	2
Cyclone	35	7	3
Earthquake	200	37	7
Industrial and Chemical	26	8	3
Tsunami	35	7	3

2.3. Cyclone Hazard & Risk Assessment

The possibility of a storm cyclone is 62, 68 & 34 % respectively in the month of October, November and December. Bharuch has experienced storm cyclones in October 1975, October 1993 and November 1996. During a cyclone, there is high-velocity wind sometimes accompanied by heavy rainfall.

Looking to the geographical location of the District, Hansot, Vagra, Amod and Jambusar, i.e. west-facing talukas are situated nearer to the seafront of the Arabian Sea where the highest vulnerability of cyclone lies.



Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT

Cyclones can occur due to sudden pressure drop as a result of formation of low- pressure zone over a certain area. The identification of the low-pressure situation as per meteorological department and world meteorological organization are as follows:

Sr. No.	Type of Storm	Rotational Wind Velocit (in degree)
1.	Low pressure area	17 to 27
2.	Deep & sump	28 to 33
3.	Storm cyclone	34 to 47
4.	Dangerous storm cyclone	48 to 67
5.	Dangerous storm cyclone with heavy wind	68 and more

(1 knot = 1.8 km/hr)

The creation of low-pressure zone in atmosphere causes high velocity wind known as cyclone. Cyclone velocity is classified by the Director, Meteorological Dept. Ahmedabad as follows:

Sr. No.	Name	Wind Velocity (in km/hr)
1.	Eye of storm cyclone	30
2.	Eye val. of cyclone	100
3.	Inside wig of cyclone	100 to 150
4.	Outer wig of cyclone	150 to more

The effect of high velocity wind cyclone is as follows:-

Sr. No.	Type of Storm	Wind Velocity (in km/hr)	Damage Effect
1.	Cyclone	60 to 90	Tree branches fall
2.	Dangerous cyclone	90 to 120	Small trees fall
3.	Dangerous cyclone with storm wind	120 or more	Big trees fall&houses, structures are damaged.

There are villages and salt manufacturer industries situated at the seafront areas of the Hansot, Vagra, and Amod & Jambusar talukas. Industrial factories are situated nearer to the seafront in the District.

Wind velocity of 120 km/hr or more can cause damage to human beings living in the vicinity of the seafront and workers working in Dahej GIDC factories as well as salt manufacturing industries. There could be situations such as sudden collapse of buildings, houses, structures and/or possibility of fire, explosion, toxic release, poisoning effect from the chemical factories, water flooding in low-lying areas. The details of possible effects on family, population, cattle, kachha houses and building are shown in the table below.

Severe cyclones with extremely high wind velocity & very high rainfall can cause damage to human lives in highly populated Municipalities such as Jambusar, Bharuch and Ankleswar, other villages and GIDC area of Dahej Panoli, Ankleshwar, Jhagadia, Bharuch and Palej and other areas where MAH factories or other chemical factories are situated. Many a time, it becomes difficult to predict the severity of a disaster, even when an early warning of the disaster has been obtained. [\(Annexure - R\)](#)

Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT

2.3.1 Areas affected near the Coastal Belt:

Name the Taluka likely to be affected	Name and Number of Villages likely to be affected				
	Severe (0-7 Kms)	Population	Moderate (7-15 Kms)	Population	Low (15-30 Kms)
Vagra & GIDC Area Dahej	Dahej Lakhi gam Luwara Jageshvar Ambheta Rahiyad Suwa Koliyad Kaladra	6846 3357 1393 1465 1330 1353 1664 535 1383	Vagnai Gandhar Aladra Paniyadra Padariya Narwani Goladra	675 1527 730 330 569 569 939	
Hansot	Samali Kantiyazal Vamleshvar Katpor	734 1177 885 2219	Ambheta Pardi Hansot	1159 544 10739	
Jambusar	Sarod Kamboi Malpour Zamadi Neja Dewala Nada Asrsa Kapuriya Esmilpura Tankari Doliya Khanpur deh	7417 555 2287 913 511 4090 2672 735 480 1146 3660 623	Sardarpura Mahapura Kudhal Bojadra Jafarpura Magnad Karali Vedach.	270 427 355 1492 579 3476 5431 6461	

(Annexure - F)

National Cyclone Risk Mitigation Project (NCRMP)

The Government of India has initiated the National Cyclone Risk Mitigation Project (NCRMP) with a view to address cyclone risks in the country. The overall objective of the project is to undertake suitable structural and non-structural measures to mitigate the effects of cyclones in the coastal states and UTs of India.

National Disaster Management Authority (NDMA) under the aegis of Ministry of Home Affairs (MHA) will implement the Project in coordination with GSDMA in Gujarat state. The Project has identified Bharuch as a cyclone prone district, with varying levels of vulnerability.

5 Multi-Purpose Cyclone Shelters (“MPCS”) are being constructed in the district of Bharuch under this project in different villages.

List of MPCS sites in Bharuch:-

Sr.No.	District	Taluka	Village	Capacity	Status
1.	Bharuch	Hansot	Katpor	700-800	Completed
2.	Bharuch	Vagra	Rahiad	700-800	Completed
3.	Bharuch	Vagra	Suva	700-800	Completed
4.	Bharuch	Vagra	Kaladara	700-800	Completed
5.	Bharuch	Jambusar	Khanpor Deh	700-800	Completed

Project Objective:-

The Project development objective of the NCRMP is to reduce vulnerability of coastal communities to cyclone and other hydro meteorological hazards through

- 1) Improved early warning dissemination systems
- 2) Enhanced capacity of local communities to respond to disasters
- 3) Improved access to emergency shelter, evacuation, and protection against windstorms, flooding, and storm surge in high areas
- 4) Strengthening DRM capacity at central, state and local levels in order to enable mainstreaming of risk mitigation measures into the overall development agenda.

2.4 Earthquake Hazard & Risk Assessment

Earthquake is a natural phenomenon, which occurs due to uncertain movement of semisolid mass and plate of soil condition below 3000 km in earth. The nature of geological formation of the bedrock in the earth's crust reveals regions characterized by structural features, such as dislocation, distortion, faults, folding, thrusts, and volcanoes with their age of formation. These are directly involved in the earth movement or quake resulting in the above consequences.

Earthquakes cause random motion of ground, which can be resolved in any three mutually perpendicular directions. This motion causes the structure to vibrate. The vibration intensity of ground expected at any location depends upon the magnitude of earthquake, the depth of focus, distance from the epicenter and the strata on which the structure stands. The response of the structure to the ground vibration is a function of the nature of foundation soil, materials, form, size and mode of construction of the structure and the duration and the intensity of ground motion. Attention is particularly drawn to the fact that the intensity of shock due to an earthquake could greatly vary locally at any given place due to variation in the soil conditions.

Earthquakes can cause damage not only on account of the shaking of the ground but also due to related chain effects like landslides, floods, fire, explosion and disruption to communication etc. Himalayan – Nagalushai region, Indo Gangetic Plain, Western India, Kutch and Kathiawar regions are geologically unstable in the country and some devastating earthquakes of the world have occurred here.

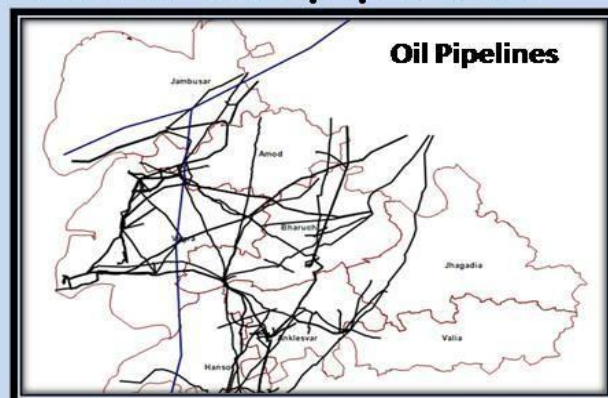
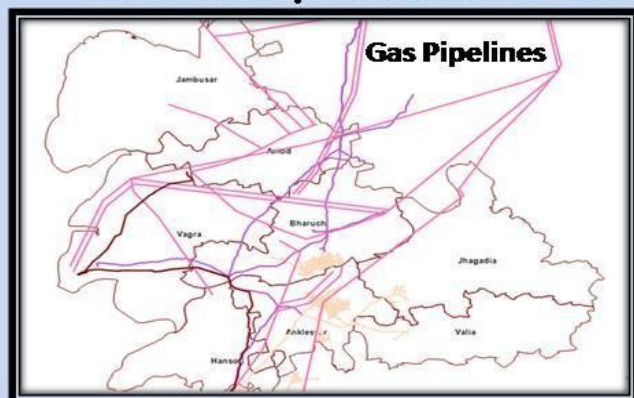
Bharuch District is covered as a Zone –III earthquake-prone area. Bharuch city in the District had suffered an earthquake in the year 1970 and recently on 26th Jan 2001, Kutch, Rajkot, Surendranagar, Junagadh, Ahmedabad, Vadodara, Surat, Valsad district had experienced an earthquake of intensity 6.9 on the Richter scale. This had caused large damage to human lives, massive property, and affected the entire communication, water, and power networks as well.

2.4.1 Details of earthquake hazard-prone zone area, reason, effect in the district

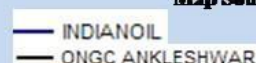
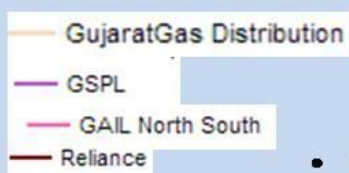
Sr.	Hazard Prone Zone	Reason	Effect
1.	Bharuch, Ankleswar, Jambusar and Amod Municipality area in respectively taluka	Highly dense population, Municipality area	Damage to human being & property
2.	Bharuch, Vagra, Amod, Jambusar, Ankleshwar, Hansot, Jhagadia, Valia, Netrang Taluka	Dense population Taluka place of district	----- As above ----
3.	Dahej, Panoli, Ankleswar, Jhagadia, Bharuch and Palej GIDC area	High number of chemical factories, MAH chemical factories, other industries, high number of employees and ancillary business establishment & persons	Producing chemical hazard such as fire, explosion, toxic release, poisoning etc. as a result of rupture of tank & collapse of buildings. This can cause damage to human beings.
4.	Udchaad – Ankhi in Jambusar taluka, Dora, Rozatankaria in Amod taluka, Zanor, Paguthan, Chavaj, Narmadanagar in Bharuch taluka, Gandhar in Vagra taluka, Pungam in Ankleshwar taluka, Kondh in Valia taluka, Kharach in Hansot taluka	MAH Chemical factories, Ankleshwar, Hansot, Vagra taluka and the places of availability of oil and Natural gas	Fire, explosion, toxic release etc. from certain MAH factories as well as fire, explosion in oil well, which can damage to human beings and property
5.	Underground passing pipeline area	Water, oil, chemical to a strong pipeline in district	Fire & explosion, which can cause damage to human beings & property. Interruption in industrial activity.
6.	Three port trust at Dahej	Storing & transferring chemicals & other products.	Fire, explosion & toxic release from respectively port trust interruption in industries activity.
7.	Road, railway and bridge area	National highway, other taluka road, western railway; Narmada & other bridge	Traffic in interruption, shortage occur in essential commodity in district as well as state
8.	Dams, water storage area	Very near to district Narmada dam, three check dams in Valia& Jhagadia taluka, GIDC water storages; industries reservoirs	Low lying areas will be flooded with water. There is shortage of drinking & industrial water. Thus can cause harm to humans & interruption in industrial activity.

It is not possible for mankind to predict earthquakes in early year, month, day, hours & minutes. After occurrence of earthquake; certain rays like peewees came early to the surface of earth. Mankind can measure these peewees. But after only the minute, the intensity of earthquake so increases very highly and cause damage to mankind & property. In a ward, people can get only one minute time by detection peewees, before severe tremendous effect of earthquake occur.

District profile: Oil & Natural Gas pipelines



Map Source: GSDMA Website



- There are total **7 pipeline operators** in the district
- 2 of these operate Oil pipelines (**IOCL and ONGC**)
- 5 operate gas pipelines (**RIL, RGIL, GSPL, GAIL, Gujarat Gas**) of which Gujarat Gas is a city gas distribution network.

2.4.2 Oil & natural Gas Pipeline Details

Route Details of Pipelines crossing River Narmada at Bhadbhut Village

Sr.	Company	Pipeline Detail	Oil/Gas
1	GAIL	Dahej – Uran – 30"	Natural Gas
		Hajira-Vijaypur-Jagdishpur – 36"	
2	RIL Ind.	Hazira to Dahej 26"	Gas
		Hazira to Dahej 24"	
3	RIL Gas Transportation Ltd.	Kakinada(A.P.) to Bhadbhut 48"	Natural Gas
4	GSPL	Ankleswar to Dahej 24"	Natural Gas
5	ONGC	Ankleswar to Gandhar 8"	Oil
6	IOCL	Amod to Hazira 12.75"	Oil
7	OPAL(Proposed Pipeline)		Neptha

Vulnerable Villages



- **Villages Immediately abutting pipelines:**
 - *Bhadbhut (3835), Dhanturiya (4717).*
- **Downstream Villages in case of oil Leakage:**
 - *Bharuch: Kasava (1336), Mahegam (1235),*
 - *Vagra: Kaladra (1663), Suva (1920), Ambetha (1552), Jageshwar (1571), Rahiad (1694), Lakhigam (4938).*
- **Total vulnerable population: 24,661.**

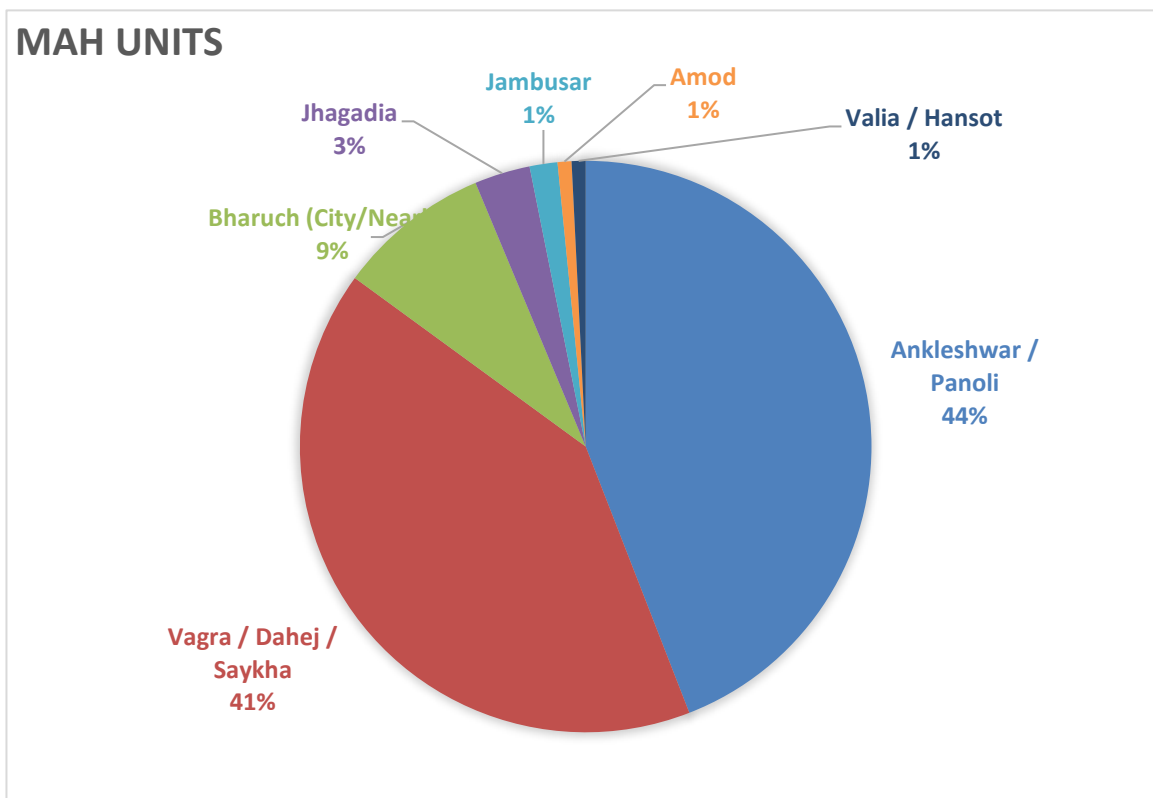
(Population figures of villages stated in brackets)

2.4.3 Past Incidents Surrounding Pipelines and Measures Undertaken:

- On 25th August 2013, there was explosion in the DUPL natural gas pipeline of GAIL and breakage in the 26" gas pipeline of RIL. This was followed by incident of oil leakage in the ONGC pipeline on 28th August 2013.
- District Administration issued an order of immediate shutdown of all pipelines in Bharuch District. District Crisis Group (DCG) Meeting was called on 26th August 2013; all pipeline operators were asked to verify structural safety of their pipelines and submit safety undertakings.
- On 31st August 2013, a show-cause notice was issued to ONGC by the District Administration for non-compliance of safety conditions and failing to give notice of incident. GPCB also issued notices to GAIL, RIL for failing to intimate the concerned authorities about the incident and lapses in safety procedures.
- On 1st September 2013, an Independent High-Level Technical team, i.e. M/S CEIL, Mumbai appointed by Energy & Petrochemical Department. Crude oil trapped in river section was displaced by ONGC. ONGC also conducted churning of oil in affected area by boats up to 13th Sept 2013

- Review and policy meeting was organized by GSDMA on 22nd November 2013 to discuss policy vacuum and multiplicity of laws and agencies granting ROU to pipeline operators.
- On 13-12-2016 about 16:45 a traveling boat having passenger 18 women & 28 men rescued with four private boats from sea.
- On 31-01-2017, Chemical fire destroyed the sterling Auxiliaries Pvt. Ltd. At Ambheta, Dahej, ta: vagra.

2.5 Chemical Hazard & Risk Assessment

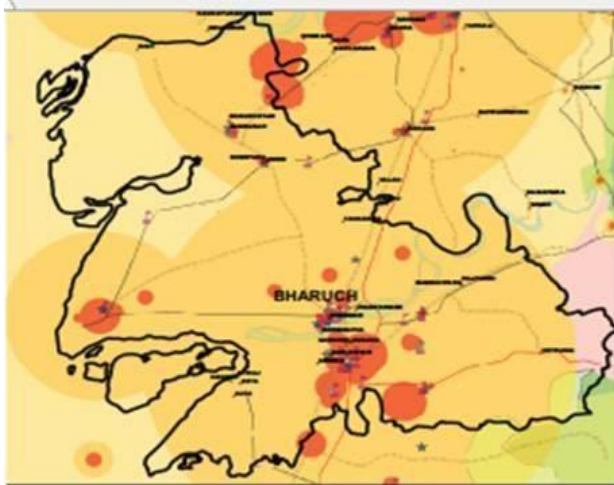


Chemical industries are engaged in storing, handling, manufacturing, transporting and using large and bulk quantities of various hazardous chemicals. Many of these chemicals are toxic, highly reactive, explosive, flammable, or poisonous or have a combination of these

Characteristics. Due to these properties and impact of disasters such as nature of natural calamity as well as manmade, they have the potential to cause harm to human beings, other living creatures, plant, property and the environment in general as resulting emergencies of fire, explosion, toxic release, radioactive, poisoning.

Any or a combination of fire, explosion, and toxic release poisoning or radioactive hazard are possible in chemical industries of the district due to following types of disasters / emergencies:

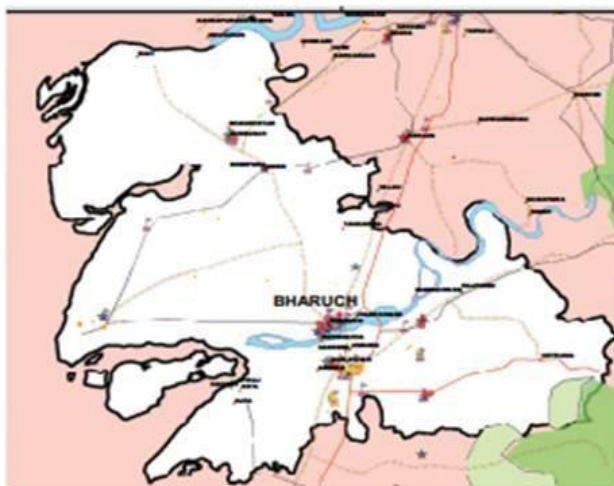
1. Natural calamities: Earthquake, Cyclone or Flood
2. Manmade Disasters: Civil disturbance, War, Riot or Industrial Accidents



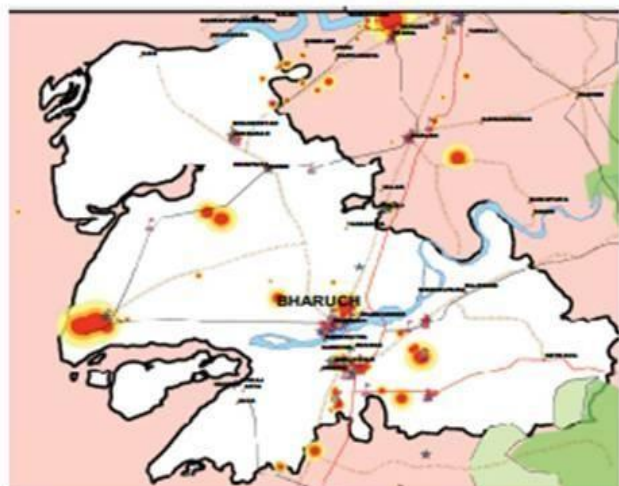
Vulnerability Areas in Bharuch for a Toxic Leak Scenario



Vulnerability Areas in Bharuch for a Flash Fire Scenario



Vulnerability Areas in Bharuch for Vapour Cloud



Vulnerability Areas in Bharuch for BLEVE Explosion

Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT

2.5.1 Details of type of risk, sources, resultant emergency and effect at large from the industries/factories:

Sr. No.	Type of Risk	Sources	Resulting Emergencies	Effect
1.	Environmental risk – Due to man-made disaster (Air pollution)	Leakage, spillage, escaping of toxic, flammable, explosive, reactive, poisoning chemical vapor, dust, fume in atmosphere from storage, manufacturing, handling, transportation operation from the factory by the abnormalities in operation, maintenance, startup / shutdown, failure of equipment, use of sub-standard / wrong material, civil commotion and armed conflicts, sabotage, war, riots, civil disturbance	Toxic release in atmosphere or Land poisoning or Water poisoning or Fire or explosion or Combination of them	Injury to humans and other living creatures, or Land poisoning or Water poisoning or Damage to property or Plant poisoning or Combination of them
2.	Environmental Risk – Due to man-made disaster (Water pollution)	Leakage, spillage, penetrate of industrial waste such as solid or liquid on or in the land due to abnormalities in operation, maintenance, failure of equipment, civil commotion and armed conflicts, sabotage, breakage or choking of pipeline	Same as above	Same as above
3.	Environmental risk – Due to natural calamities i.e. earthquake, cyclone, flood (water and air pollution)	Leakage, spillage, penetrate of toxic, flammable, explosive, reactive, poisoning chemical vapors, dust, fume in atmosphere from storage, manufacturing, handling, transportation operation from the factory and leakage, spillage penetrate of industrial waste such as solid or liquid on or in the land due to natural calamity	Same as above	Same as above
4.	Environmental risk – Due to man-made Natural Calamity disaster while transporting of chemical by road, rail & pipeline	Leakage, spillage, escaping, penetrate of toxic, flammable, explosive, radioactive, poisoning chemical liquid, vapors, dust, fume in atmosphere or on or in the land due to rupture of pipeline, on or in the land road transport containers / vessel, railway wagon, equipment failure as a result of natural calamities or manmade or combination of them disaster	Same as above	Same as above

Refer: Taluka wise Details covered in (Annexure A to G)

Chapter 2

HAZARD, VULNERABILITY AND RISK ASSESSMENT

2.6 Capacity Analysis

Traditional Coping Capacity

It is important to identify and recognize traditional coping capacity of the community to enable them to enhance their capacity to withstand disasters.

Hazard	Early Warning	Preparedness	Early Response
Flood	Monitoring of water courses through community	Identified high elevation places and rescue teams	Evacuation, search and rescue and first aid support
Cyclone	Information through fisher folks	Locate to safe place	Search and rescue and first aid support
Earthquake		Identification of safe places,	search and rescue and first aid support
Drought	Own assessment mechanism	Fodder storage, food storage at individual level	Pinjrapole
Industrial/Chemical Hazard	Local Administration	CAMEO/	Local response Teams
Tsunami		Locate to safe place	search and rescue and first aid support

Summary of Capacity against flood, cyclone and Tsunami

Details	No.
Villages at risk	259
Swimmer and rescuers	444
Emergency / Rescue Shelters	424
Cattle shed (Panjrapol)	2
Machine boats	40
Simple Boats	13
Life Jackets	799
Rings	583
Apda Mitra	357
Volentier	548
JCB	122
Bulldozer	20
Tractor	383
Ambulance	33
Flood Light	16
Roap	177

Chapter 2

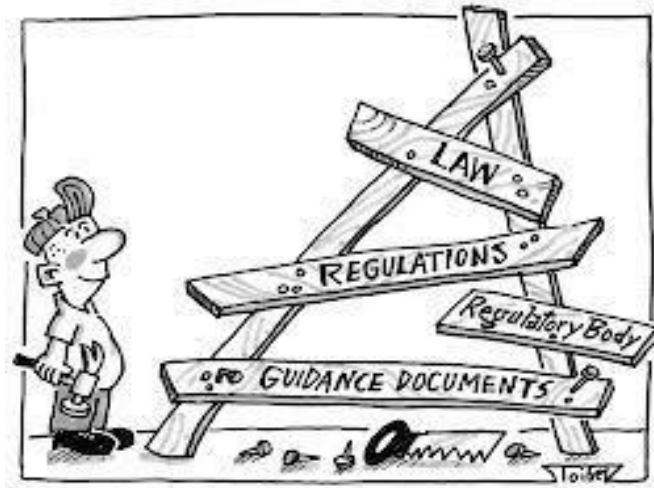
HAZARD, VULNERABILITY AND RISK ASSESSMENT

Summary of Capacity against earthquake

Details	No.
Earthquake prone villages	660
Emergency / Rescue Shelters	660
Govt Doctors	42
Bulldozers	20
Wood Cutter	20
Tractor/Trolley	383

Capacity against industrial and chemical disaster

Particular		Unit (no.)
Special Response Teams (SRTs) readily available for Industries		Yes
Trained personnel at District level		9
Fire Fighters (Private)		82
Lab Technician		13
Govt doctors		127
Antidotes	1. Yes details covered in Annexure	



Chapter 3

Institutional Arrangements for DM



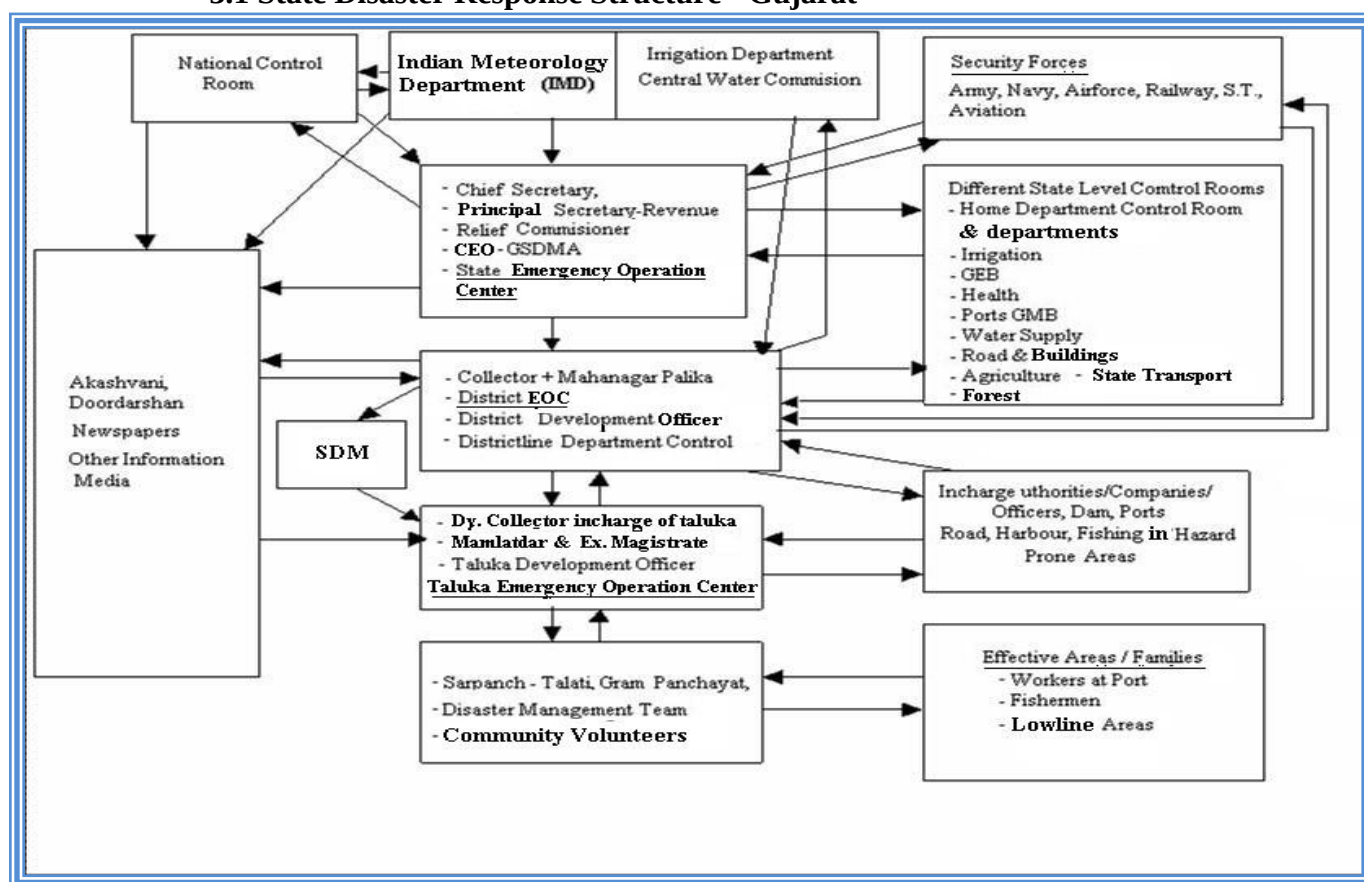
Chapter 3

Institutional Arrangement For DM

At the district level, the District Magistrate will be the focal point for coordinating all activities relating to prevention, mitigation and preparedness apart from his existing responsibilities pertaining to response and relief. The District Coordination and Relief Committee is being reconstituted/re-designated into Disaster Management Committees with officers from relevant departments being added as members. Because of its enhanced mandate of mitigation and prevention, the district heads and departments engaged in development will now be added to the Committee so that mitigation and prevention is mainstreamed into the district plan. The existing system of drawing up preparedness and response plans will continue. There will, however, also be a long term mitigation plan. District Disaster Management Committees have already been constituted in Bharuch districts.

The model bye-laws, DM Policy, Act and model health sector plan have also been included. Education and Training includes material for capacity building and upgradation of skills of policy makers, administrators, trainers, engineers etc. in planning for and mitigating against natural disasters. Basic and detailed training modules in disaster preparedness have been incorporated along with training methodologies for trainers, for community preparedness and manuals for training at district, block, panchayat and village levels. For creating a disaster-resistant building environment, the Construction Toolkit addresses the issue of seismic resistant construction and retrofitting of existing buildings. BIS Codes, manuals and guidelines for RCC, Masonry and other construction methodologies as also for repair and retrofitting of masonry and low-rise buildings have been included.

3.1 State Disaster Response Structure - Gujarat

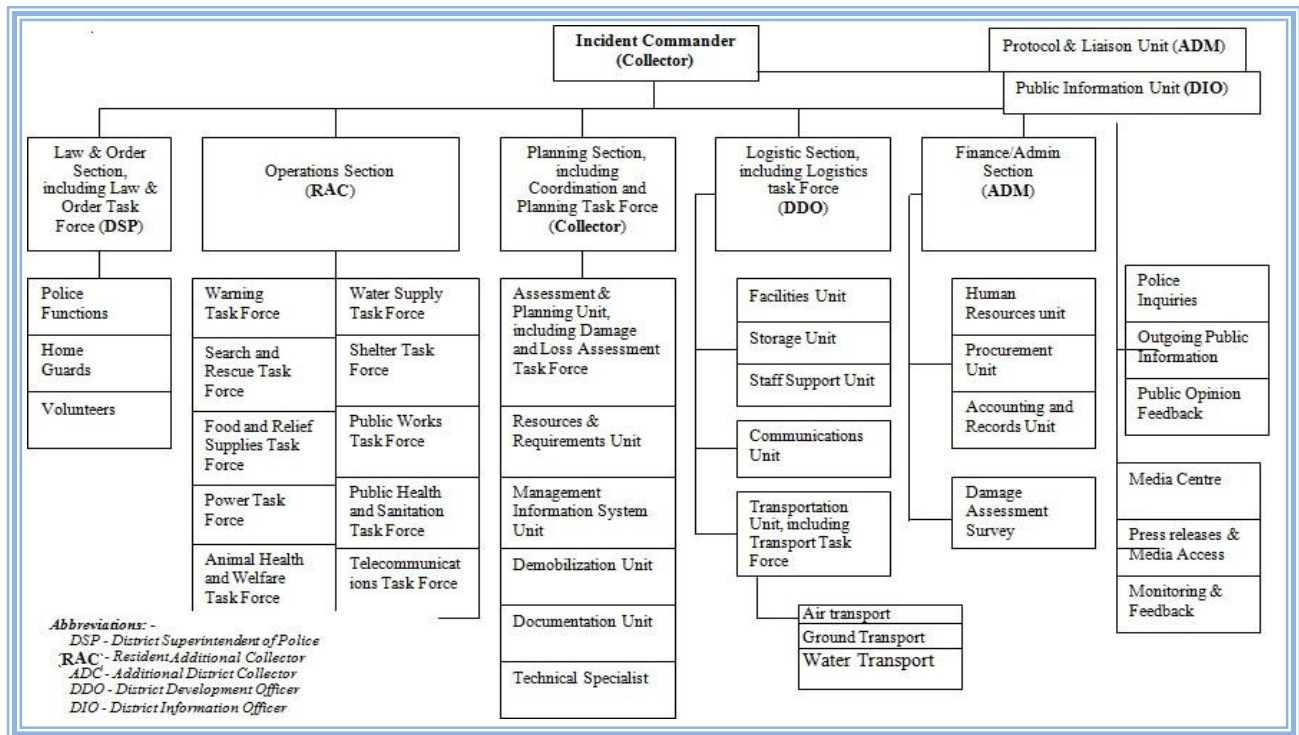


Chapter 3

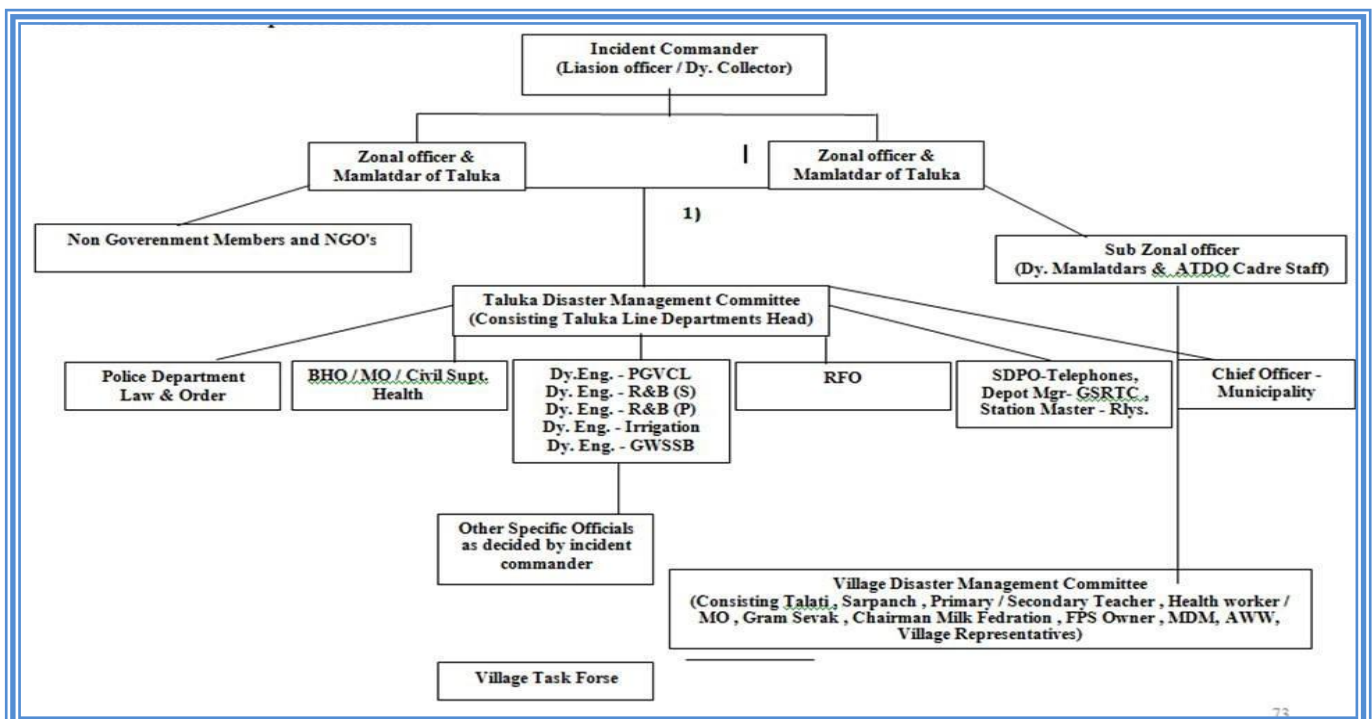
Institutional Arrangement For DM

For effective response the Incident Command System (ICS), need to be put into place with clear responsibility. The commander for each task force need to be trained on the specific tasks. Incident Commander (IC) at block level instructs head of task forces to carryout emergency functions according to SOPs. Head of each task force reports to IC on progress (and any obstacles faced) until he/she is further instructed by IC.

3.2 District Level Structure



3.3 Taluka Level Structure



3.4 SEOC-DEOC-TEOC and Other Control Rooms. **Emergency Operation Centers/ Control Rooms**

District Emergency Operation Center(DEOC)

The District Emergency Operation Center (DEOC) is located at District Collector's Office. It is also the central point for information gathering, processing and decision making more specifically to combat the disaster. Most of the strategic decisions are taken in this control room with regard to the management of disaster based on the information gathered and processed. The Incident Commander takes charge at the District Control Room and commands the emergency operations as per the Incident Command System organizational chart.

All the task force leaders shall take position in the District Control Room along with Incident Commander to enable one point coordination for decision-making process.

Facilities at District Control Room

The District Control Room shall be equipped with but not limited to the following items:

- 1.8.1.1 Hotline directly connected to State EOC/Control room
- 1.8.1.2 Telephones
- 1.8.1.3 Satellite Telephone
- 1.8.1.4 Satellite Iridium
- 1.8.1.5 One PC with e-mail, Internet and web site facilities
- 1.8.1.6 Marker board - 2 Nos. with adequate markers
- 1.8.1.7 Conference table with Chairs
- 1.8.1.8 A copy of Disaster Management Plan
- 1.8.1.9 Other relevant documents, if any
- 1.8.1.10 Wireless set
- 1.8.1.11 Walki Talki

1.8.2 Task Force Control Room (TFCR)

Individual Task Force function shall activate & operate their respective control rooms in their office managed by a competent person who is proficient in communication and technically capable of coordinating with Taluka Level Control Room and District Control Room and mobilize requisite resources to the disaster site.

Taluka Level Control Room (TLCR)

The Taluka Level Control Room shall be located at the Office of Mamlatdar. The Liaison Officers of the respective Talukas shall take charge of the Control Room. The respective liaison Officers shall coordinate between the task group members working at disaster sites and TFCR for mobilization of resources and dissemination of instructions received from TFCR/DEOC.

Facilities at Taluka Level Control Rooms (TLCR)

The following facilities are maintained inside TFCR:

1.8.2.1.1	Telephones
1.8.2.1.2	Marker board (1)
1.8.2.1.3	A copy each of Disaster Management Plan and Taluka Level Plan
1.8.2.1.4	Other relevant documents, if any

Responsibility of up keeping and maintenance of all the above items / facilities in the respective Control rooms is given as below.

DCR	:	District Collector or any person nominated
TFCR	:	Respective Task Force Leader
TLCR	:	Respective Taluka Liaison Officer

The above responsible Depts./ personnel shall carryout periodic inspection of such facilities in their respective control rooms at the frequency set by them and maintain records on the same.

Response defines provision for assistance/ intervention during and after emergency. Response plan includes clear Incident Command System (ICS) operated through emergency operation centers (EOCs) with effective 3C (Command, Control and Communication) mechanism. ICS covers early warning, search and rescue, humanitarian assistance, medical response, relief, temporary shelter, water and sanitation, law and order, animal care, public grievance, recovery and rehabilitation.

3.5 Early Warning System (EWS) and Post Disaster Advisories

It is often observed that communities living in remote and isolated locations do not receive timely and reliable warnings of impending disasters. Hence, it is necessary to have robust and effective early warning systems, which can play crucial role in saving lives and limiting the extent of damage to assets and services. Outreach and reliability of warnings are key factors for planning and implementing response measures. Post disaster advisories like information on rescue, relief and other services are important to ensure law, order, and safety of citizens.

3.6 Information Dissemination

The dissemination of information is the most critical function in order to give early warning to the community. It has to be fast in order to give reasonable amount of time for communities to prepare for any eventuality. Due consideration has to be given to the points mentioned below before sending across the information.

- Information dissemination will be done to all the important stakeholders (as given below in the information dissemination format) at the Panchayat level in rural areas and Nagarpalika level in urban areas for early warning communication.
- Making use of the fastest means to communicate the message in the most lucid manner so as to prevent spread of rumor and panic among the masses.

Bulk Voice SMS Service is the best means of communication to large masses without any effort and within no time. A voice recorded message from the District Magistrate from official number shall be sent to the database of numbers identified for information dissemination with the help of Mobile service providers & Telephone department.

3.7 Early Warning Action Plan

The availability of early warning system is a must before early warning message could be disseminate to the people till the last mile. Thus, for every type of disaster there is an agency designated with the responsibility of keeping track of developments in respect of specific hazards and inform the designated authorities/agencies at the district Level about the impending disaster. Nodal agencies for early warning of different natural hazards are:

Chapter 3

Institutional Arrangement For DM

Type of Action	Flood	Cyclone	Chemical and industrial accidents	Tsunami
Existing EWS	Irrigation department /dam authority/ IMD ↓ Collector ↓ Mamlatdar/TDO ↓ Villages	IMD ↓ Collector ↓ Mamlatdar/TDO ↓ Villages	Industrial Association/industries ↓ DCG ↓ LCG ↓ Mamlatdar	IMD ↓ Collector ↓ Mamlatdar/TDO ↓ Villages
Responsible Agency for warning dissemination	Mamlatdar office/TDO	Mamlatdar office/TDO	Mamlatdar office/TDO	Mamlatdar office/TDO
Trained personnel and operators available (Y/N)	Yes	Yes	No (Team to be formed and trained)	No (Team to be formed and trained)
Villages covered	All risk prone villages			
Villages/habitation not covered or difficult to access	Communities in remote locations (fisher folk, salt pan workers, maldharis etc)			
Measures required to improve timeliness and outreach (For example, voice enabled SMS)	Contact of communities in remote locations (fisherfolk, saltpan workers, Maldharis etc)			

During and Post Disaster Advisory Action Plan

Type of Hazard	Flood	Cyclone	Earthquake	Drought	Chemical and industrial accidents	Tsunami
Responsible Agency	Revenue & Panchyat offices					
Villages covered	All risk prone villages					
Villages/habitation not covered or difficult to access	communities in remote locations (fisher folk, salt pan workers, Maldharis etc)					
Measures required for outreach	Contact of communities in remote locations (fisher folk, salt pan workers, Maldharis etc)					

3.8 VIP involvement and protocol

It is important to immediately inform VIPs and VVIPs on impending disasters and current situation during and after disasters. Appeals by VIPs can help in controlling rumours and

chaos during the disaster. Visits by VIPs can lift the morale of those affected by the disaster as well as those who are involved in the response. Care should be taken that VIP visits do not interrupt rescue and life saving work. Security of VIPs will be additional responsibility of local police and Special Forces. It would be desirable to restrict media coverage of such visits, in which case the police & taluka liaison officer will liaise with the government press officer to keep their number to minimum.

3.9 Media Management

The role of media, both print and electronic, in informing the people and the authorities during emergencies becomes critical, especially the ways in which media can play a vital role in public awareness and preparedness through educating the public about disasters; warning of hazards; gathering and transmitting information about affected areas; alerting government officials, helping relief organizations and the public towards specific needs; and even in facilitating discussions about disaster preparedness and response. During any emergency, people seek up-to-date, reliable and detailed information.

Bharuch Collectorate office has established an effective system of collaborating with the media during emergencies. Both print and electronic media is regularly briefed at predetermined time intervals about the events as they occur and the prevailing situation on ground. As Similar set up is also active at the Taluka Control room (i.e. Mamlatdar office)

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Institutional Arrangement For DM

3.2 Hazard Specific Action Plan...

3.2.1 Flood Hazard Action Plan:

Before Emergency / Disaster: Relaying Information to Public

In case of flood and or heavy rainfall, following authorities will inform the District Collector or District Control Room.

Sr. No.	Description	Authorities
1.	Flood	Central Water Commission Bharuch / Surat
2.	Heavy rainfall & cyclone	Gujarat State Control Room, Gandhinagar and meteorological Department, Ahmedabad.
3.	For rivers & check dams	Executive Engineer Irrigation Planning Dn.No 5 Rajpipla
4.	Bharuch Golden Bridge	Executive Engineer Tapi Division.
	Garudeshwar Bridge	--Above-- & C.W.C Surat (R.G)
	Dholi Dam,	Executive Engineer Irrigation Planning Dn.No 5 Rajpipla
	Beldeva Dam	Executive Engineer Irrigation Planning Dn.No 5 Rajpipla
	Pingut Dam	Executive Engineer Irrigation Planning Dn.No 5 Rajpipla
5.	Dhhadhhar river (Ajwa (w.s.))	Collector Vadodara and Vadodara Irrigation Control Room.

[\(Annexure – H\)](#)

B. As soon as information is received by the District Collector, Bharuch or District Control Room, the following authorities will be directed to inform the possible affected public through telephone, police wireless, irrigation department wireless, GEB wireless or forest department wireless:-

- Liaison Officer of Taluka (Chairman of Taluka & City flood relief co-ordination committee of flood contingency plan and member of incident control committee of District Disaster Management Plan.)
- Mamlatdar & TDO for Jhagadia, Bharuch, Ankleshwar and Hansot (For Narmada River), Jambusar, Amod and Vagra (For Dhhadhhar river and BhukhiKhadi), Hansot (For Kim river), Jhagadia and Valiataluka for Dholi, Beldeva and Pingut Dam.
- Bharuch, Ankleshwar, Amod and Jambusar Mamlatdar and Chief Officer
- DDO.
- DSP & Taluka PSI.
- District level Concerned Department.

C. After information received from the District Collector or Control Room, the Public will be informed by the Taluka Disaster Management Committee, City Disaster Management Committee, Mamlatdar office staff & Village Disaster Management Committee, where telephone / wireless facilities are available in villages. In particular,

- Taluka Mamlatdar & TDO will inform the public by telephone and also by sending a team through vehicle on pre-decided village routes.
- Nagarpalika will inform their respective area inhabitants by siren or PA system through mobile vehicle.

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During Emergency: Evacuation, Search and Rescue Operations

The District Collector will be given direction to the Liaison Officers, Dy. Collector and all concerned departments for evacuation & rescue operations based on situation. This will be carried out by the Revenue department, Local police & District Panchayat department.

- In cases where the approach road is clear, people will be evacuated by local tractor/trolley, ST bus & other big vehicles. The people trapped in areas surrounded by water will be rescued by the Mamlatdar, local police & local swimmers through boats.
- Members of the Transport Committee will be directed to arrange a supply vehicle for evacuation & rescue operation.
- Members of the Fire Control Committee will be informed about combating fire, if the need arises.

After Emergency: Focus will lie on **Medical Treatment, Disease Control, Poison control, Reconstruction & Rehabilitation, Floodwater Removal, and Providing Relief**—Clothing, Shelter, etc. to affected people, **Damage Assessment, Funeral processes.**

The following Members of Committees will be informed by District Collector or District Control Room:

1. Member of Health / Medical Control Committee.
2. Member of Toxicity & Disease Control Committee.
3. Member of Demolition, Reconstruction & Rehabilitation Committee.
4. Member of Traffic Control, Law & Order, Security Cordon of Area Committee.
5. Member of Damage Assessment Committee.
6. Member of Relief & Shelter Committee.
7. Member of Funeral Committee.

After receiving message from District Collector or District Control Room, Member of above committees will perform their function as per the roles assigned in the District Crisis Emergency Organization.

3.2.2. Cyclone Hazard Action Plan:

During a cyclone, a high velocity of wind is experienced accompanied sometimes by heavy rainfall. This can, at first instance, affect the villages of Hansot, Vagra, Amod & Jambusar Talukas, salt work industries as well as industries of Dahej GIDC. Sometimes, highly populated Nagarpalikas such as Jambusar, Bharuch and Ankleshwar can also be affected, as can other villages and GIDC area of Panoli, Ankleshwar, Jhagadia, Bharuch & Palej, and areas with MAH units or other chemical factories.

As a result of cyclone, building houses structures may collapse people & animals maybe buried under the debris. In addition, fire, toxic release, explosion, poisoning may also occur in chemical factories, and low-lying areas may be flooded with water & people animals may be severely affected.

Thus, the response mechanism may involve the following plans:

1. District Disaster Management Plan (governed by Disaster Management Cell, Collector Office, and Bharuch).
2. District Crisis Group off Site Emergency Plan or Bharuch District Contingency Plan (governed by District Collector).

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3. Local Crisis Group off Site Emergency Plan (governed by SDM & Dy. Collector, Bharuch, Vagara, Jagadia & Ankleshwar).

Before Emergency / Disaster: Relay of Information to the Public

- A. After information of cyclone situation is received; the District Collector, Bharuch or District Control Room, Bharuch will direct the following authorities to inform the public through Fax, telephone, wireless, Way2way SMS System, DARMAT, SMS alert system and automatic whether alert system in emergency Situation by person:
 - Taluka Control Room - Taluka Mamlatdar & TDO.
 - Assistant Fisheries Director, Bharuch.
 - Port Officer, Bharuch.
 - Member of Site Main Control Committee.
 - Member of Incident Control Committee.
 - Member of Public Warning & Communication Control Committee.
- B. Upon receipt of information from the District Collector or District Control Room, the following steps will be taken:
 - The Taluka Control Room, Assistant Fisheries Director, Bharuch & Port officer, Bharuch will caution fisherman that they not go into the sea.
 - The Talati will publish notice regarding precaution to be taken by public in case of cyclone.
 - The Industries Officer, Salt Commission Office, President of the Salt Manufacturers Association will evacuate workers from salt factories to safe shelters.
 - Other authority will perform their duty as per flood / cyclone contingency plan of Bharuch district (Disaster Management Cell, District Collector Office, and Bharuch).

After Emergency: Focus will lie on **Medical Treatment, Disease Control, Poison control, Reconstruction & Rehabilitation, Floodwater Removal and Providing Relief**—Clothing, Shelter, etc. to affected people, **Damage Assessment, Funeral processes.**

The following Members of Committees will be informed by District Collector or District Control Room:

1. Member of Health / Medical Control Committee.
2. Member of Toxicity & Disease Control Committee.
3. Member of Demolition, Reconstruction & Rehabilitation Committee.
4. Member of Traffic Control, Law & Order, Security Cordon of Area Committee.
5. Member of Damage Assessment Committee.

6. Member of Relief & Shelter Committee. After receiving message from District Collector or District Control Room, Member of above committees will perform their function as per the roles assigned in the District Crisis Emergency Organization.

7. Member of Funeral Committee

3.2.3 Earthquake Action Plan:

Earthquakes cause random motion of ground. This motion causes built structures to vibrate as a result of which they may collapse, depending upon the severity of the earthquake and distance from the epicenter. Earthquake can cause damage not only on account of the shaking but also due to other chain effects like landslides, floods, fire, explosion, toxic release, poisoning and disruption to communication, power, water etc.

Before Emergency: Preventive Measures

It is not possible for mankind to predict earthquake in years, months, days, hours, and minutes. But by installing 'P' waves detector, one can predict minutes before the occurrence only. This time is almost negligible to avoid massive damage to mankind and property. So, it is best to take **preventive measures** as shown below:-

1. Buildings, houses, structures, must be constructed as per National Building Code for earthquakes.
2. Old buildings, house, structures must be checked by structural engineer and as per their advice, they should be demolished or properly repaired to withstand earthquakes.
3. Industries must construct essential infrastructure such as chemical storage tanks & their foundations, fire facility buildings, occupational health center, hospital, chemical manufacturing building / structures, power generation plant buildings, transformer rooms, water storage tanks, DG set rooms etc. as per National Building Code for earthquake.
4. Essential national, state, district, taluka buildings such as hospitals, communication buildings, fire service buildings, control rooms, district collector building, bridges, dams, check dams, highway, road, water, reservoir, electricity substation & rooms, schools, colleges etc. must be constructed as per National Building Code of earthquake.
5. Essential equipment for rescue & Trained rescue persons must be kept ready. The list of such organization & their E-mail address should be regularly updated.
6. Public awareness and training activities must be regularly conducted.
7. Rehearsal of DDMP must be carried out periodically.

After Emergency

As a result of earthquake, the following massive effects may be occurred if proper preventive step will not taken as early stated.

Communication failure, power failure, water failure, building, houses, structures collapsed people buried under them, non-availability of food, drinking water, medicine, cloths, medical treatments, shelters, road, bridges destroyed or damaged, chemical disaster result of fire, explosion, toxic release, poisoning, dams & check dams & water reservoirs damaged result of flood or low level area will be flooded etc.

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Institutional Arrangement For DM

Actions

1. In case of subsequent effect of chemical disaster in the chemical factories, chemical transfer pipelines, chemical transport vehicle and produce general environmental pollution, then for combating & mitigation effect of fire, explosion, toxic release, poisoning etc. the District Collector and Dy. Collector will immediately activate District & Local Crisis Group Off Site Emergency Plan.
2. Similarly, in case of subsequent effect of flood, to save human life, animal & property. District Collector will immediately activate DDMP.
3. District Disaster Management Committee perform duty as per plan:
 - Informing to public in case of chemical disaster, flood as per guidance of expert committee.
 - Evacuation & rescue operation in case of chemical disaster, flood & earthquake with the help of transport committee.
 - To combat fire.
 - Toxicity controlling in case of chemical disaster.
 - Medical treatment to affected people.
 - Traffic control, maintaining law & order, security to evacuee area, cordon of area.
 - Disease & poisoning control.
 - Reconstruction & rehabilitation of communication system, electricity, water, check dams, repairing, road, bridge, construction & repairing, tents construction, shelter construction etc.
 - Relief work such as food, water, clothes, utensil, cash dolls etc.
 - Funeral process of dead bodies.
 - Informing through mass media communication.
 - District Collector will plan & implement for long cleanup rehabilitation programme.
 - District Collector will ask help from state government, central government, other countries, NGO & independence helping agencies.

3.2.4 INDUSTRIAL DISASTERS, FIRES AND CHEMICAL ACCIDENTS ACTION PLAN

3.2.4.1 LOCAL RESPONSE TO CHEMICAL EMERGENCY - EMERGENCY ORGANISATION STRUCTURE

3.2.4.2 The response to a chemical disaster is always local with resources segmented from district and state levels. Under MSIHC Rules, the LCG is the lowest level of group available at the industrial cluster level the DCG is the next level of response. In the case the LCG is not available; the DCG is the lowest level of response. As per the DM Act 2005, the local authorities and Panchayati Raj Institutions can plan for preparation and response to emergencies. Therefore, Taluka or block level administration can prepare for and co-ordinate the response to chemical emergencies, provided Taluka level CDMPs are prepared including management of Chemical Disasters, although such plans are not currently available. At the State level, agencies such as the GSDMA, DISH, GPCB, PESO, CEI, SCG, GIDC etc. are responsible for regulation, planning, and management; and agencies and bodies such as the SDRF SEOC, Fire Services, and Emergency Medical Services And Police are entrusted with providing chemical emergency response. Similarly at the district level the DDMA, DCG and LCG are responsible for planning and management and DEOC, Fire services, Emergency medical services and Police are entrusted with chemical emergency response intended coordination in the SCG-DCG-LCG mechanism under the MSIHC rule and the SDMA-DDMA mechanism under the DM Act is automatically achieved at the district level because the district collector is the head of both. It is clear that the SCG, DCG, and LCG are not response agencies themselves but include members that are response agencies. Similarly the GSDMA and DDMA are not response agencies but include member departments that provide a response. However, the NDMA guidelines provide for emergency organizations where different departments, agencies and even private resources (e.g. industries) temporarily align their priorities with the emergency response objective under a unified command. This system is called Incident Response System (IRS) and discussed in detail in the text. It is important to recognize that organization under the IRS and the existing structures of the LCG and DCG are not in conflict although there can be differences in terminologies for some positions in the emergency organization. The IRS gives an emergency organization structure called Incident Response Teams (IRTs) that are pre-designated as per the identified emergency scenarios. While there is a general structure, IRTs are not prescriptive about who must fulfill what position or role instead the decision rests with the local or district level authorities. Therefore the organizations and people that are given specific roles as per existing LCG and DCG structure can be given similar roles or positions in the IRT structure and a coordination between IRTs as per IRS and those as per existing LCG/DCG structures is achieved. The IRS provides additional advantages of being scalable by including additional and higher levels of response in the same unified command structure being flexible by transferring command and other sections of IRS to qualified people as scale and nature of emergency changes, and with a unified command so that there is one authorized, and accountable (technically qualified) incident commander and the command can be transferred up as the scale of emergency increases. The IRS also requires documentation of decisions, actions, and learning so that not only continuous improvement can be achieved but also accountability is fixed.

The response plan detailed out in this report establishes a concept of operations and assigns specific functional responsibility to departments, agencies, and organizations within Bharuch for chemical and industrial disasters. Chemical disasters can be classified per their scales as: Minor, Moderate, Major and Catastrophic. Verifiable and measurable criteria are developed to define these scales so that available and required resources can be assessed against these scales.

3.2.4.3 KEY RESPONSE AGENCIES

The key agencies required for chemical emergency response have been identified with their roles and responsibilities. It is important that the roles and responsibilities not be thrust on line departments and agencies but discussed in DCG/DDMA meetings and mutually agreed to. The following are the key agencies:

- District Disaster Management Authority
- Police department
- Fire Services
- Department of Revenue/Relief Commissioner /Collector's Office
- Department of Labour and Employment / Director of Industrial Safety and Health (DISH)
- Gujarat Pollution Control Board
- RTO
- Department of Animal Husbandry
- Department of Agriculture
- Public Information Officer
- Public Works Department

3.2.4.4 RESPONSE TO HAZCHEM TRANSPORTATION EMERGENCIES

The organization structure for response, concept of emergency operations, and roles and responsibility of key stakeholders remains almost the same in case of emergencies involving the transportation of hazardous chemicals. The special considerations while responding to transportation emergencies are:

Pipeline Transportation - In case of pipeline transportation the initial notification may be done by the occupier/owner of the pipeline or by the local community or by the contractor who caused the damage to the pipeline. Therefore, it is important that all pipelines nodes and routes clearly display the emergency contact information in case of any accident with the pipeline. Once the initial notification of an accident is obtained the response operations are similar to other chemical accidents.

Road Transportation -In case of an emergency involving a road tanker carrying hazardous chemical, the driver of the tanker is expected to be well-trained to handle emergency situations and have up-to-date contact information. The notification will be done by the driver by calling DEOC (# 1077) and Local Police Station. The consigner and consignee may also make these calls. The tanker must display the emergency information panel and driver should carry the Transport Emergency Card or TREMCARD which has detailed instructions on response actions for fire, spillage or leakage. The driver should take the first protection actions by stopping traffic and general citizens from approaching the accident site until police arrive for help. The driver can try to stop the leak (if any) only if he is adequately trained and equipped to do so. The police officer on site will most likely be the first IC until a more qualified response team arrives. The most important action by the police is to cordon off the site of the accident, divert and regulate traffic, and evacuate/shelter in place citizens in close proximity on a priority basis. The ERG (2012), which has been developed primarily for response to chemical emergencies during road transport, should be followed. It is also important that untrained and unequipped first responders should not try to stop the leak or enter the hot zone and should instead wait for a qualified response.

3.3 Responsibility Matrix for response functions (for the disasters where EW is available):

3.3.1 Cyclone Disaster Responsibility

Time Frame	Sr . No	Task	Department/Agency	Activity
Time = 0-72 Hrs	1	Warning receipt and dissemination	IMD, COR, Collector	Report the generation of Cyclone in Arabian Sea/ Indian Ocean after getting information from IMD to following officials: COR/DOR - COR/DOR - Chief Executive Officer, GSDMA - Members of Crisis Management Group - Incharge Minister(Prabhari mantra) - Hon. Minister – Disaster Mangement - All concerned district collectors as well as control rooms of the districts,talukas likely to be affected as per preliminary warning of IMD. - Alert all response teams in the district for deployment. - Remain in constant touch with control rooms at taluka & state level - - Instruct and alert all heads of deparmtnes of the keyline departments to activate their departmental plan and SOPs for response.
	2.	Interdepartmental Coordination	Collector, all line department	• Instruct all government officers an employees in the district to report to their respective head for emergency duties(only if the warning is of a level 2 disaster or as per the decieion taken in the meeting of the crisis management group headed by collector • Alert the District Collectors of districts not likely to be affected to be prepared for providing. • Additional manpower • Additonal resources • Machinery & Equipment • Relief material to the districs likely to be affected.
	3	Establishment of lines of communicaton	COR, Collector	• Activate alternative communication equipments i.e. satellite phones, HF/VHF sets Hamradio, VSAT in EOC & ERCs, District, City & Taluka control rooms. • Establish communication links with ERCs and Search & Rescue Teams in all Nagarpalika, Police departnet and alert them to be in stage of readiness. • Establish communication links with villages likely to be affected as per the contact details available is SDRN.
Time = 0 – 48 Hrs	1	Review of situation and reporting	Collector	• Establish contact with IMD, CWC, ACWC, ISRO and the defense ministry of GoI for aerial / satellites imageries of the latest Cyclone threat. • Get the latest weather report from IMD/other international Web Sites to know the exact location of Cyclone and the likely area where landfall will take place. • After reviewing the weather report and satellite images issue instructions and orders for emergency response to areas likely to be affected.

2	Management of EOC, ERCs and Cyclone Response	Revenue Dept., Collector	• Take over full command of District EOC and ERCs. • Instruct line departments to depute representatives at the District & Taluka EOCs. • Hold a meeting with leaders of task forces and entrust them their tasks. • Ensure that Cyclone information is disseminated to all who are at danger • Arrange emergency meeting with District Crisis Management Group to device a plan of action.
		Collector	• Arrange dissemination of information through various means of communication such as Radio, TV, Cable Network, and SMS about Cyclone warning to districts/areas which are likely to be hit by Cyclonic Storm.
		RTO	• Impose restriction on all transport activities heading towards coastal areas that are likely to be affected by Cyclone. .
		Collector	• Alert following teams to remain in readiness: - o Evacuation - o Emergency Medical Services - o Search and Rescue • Alert following emergency response forces to remain in readiness: - o Fire & Emergency Services - o NDRF - o Village Disaster Management Teams - o Police, Home Guards

			- o State Reserve Police Force - o Army (if required) - o Air Force (if required)
3	Cyclone response to coastal areas (likely to be affected)	Dist. Collector, Transport Dept. and, Chief Officer	• Based on the warning issued by IMD, pin point the districts and villages likely to be affected by Cyclone and start the procedure for identifying safe places/shelters for evacuation in those villages. • Village wise data of safe sheltering for evacuation available on SDRN should be referred and the dist. Liaison officers/Taluka level officers/Village level officers should be contacted to know the status of the shelters with the capacity of the shelter and other available facilities at the site. • Make transport arrangement for mobilization of all emergency response teams.
		Ports & Fisheries Dept., GMB, Revenue Dept.,	• Ensure arrangements are in place to evacuate fishermen, Industries workers and salt workers if needed.
		Tourism Dept.	• Ensure safety of tourists visiting beaches along the coastline.
		Collectors, Police Dept., Dist.	• Cordoning off coastal areas for restricting entries of rail or road traffic. • Ensure law and order is maintained in areas likely to be affected.
		Line Depts	• Ensure that all critical activities (mainly industrial production) in areas likely to be affected are shutdown.

			Education Dept.	• Ensure that the schools and colleges are closed in areas likely to be affected by Cyclone and associated hazards.
			Dist. Collector, Chief officer, Information Dept.	• Ensure dissemination of information to remote areas by local means. • Ensure that local help lines are opened and effectively managed for public information, guidance and rumor control. • Ensure that the information to public and media about the progress of Cyclone at periodic intervals is released.
			Dist. Collector, Chief officer, Line Dept.	• Make arrangements for logistic support to all emergency response teams.
			Health Dept.	• Health Department to activate their Departmental Cyclone Disaster Management Plan and Departmental SOPs for Management of casualties.
Time = 0 - 24 hrs	1	Review of situation and reporting	Collector	• Establish contact with IMD, CWC, ISRO and the defense ministry of GoI for aerial /satellites imageries of the latest Cyclone threat. • After reviewing the weather report and satellite images issue instructions and orders for emergency response to areas likely to be affected areas.
			Collector and Information Department	• Review and monitor following activities: ○ Evacuation of people from coastal areas likely to be affected. ○ Positioning of Search and Rescue Teams ○ Positioning of mobile communication units ○ Positioning of quick medical response teams ○ Mobilization of restoration teams of respective departments ○ Requirement of armed forces in rescue and relief operations ○ Dissemination of information to the vulnerable areas ○ All preparedness measures to be taken by various authorities
				○ Keep in touch with State, District, and Taluka Control Rooms. ○ Release information at appropriate time to media and public regarding response measures organized by the Government
	2	Emergency Response Management	Collector	• If reports regarding striking of Cyclone are confirmed by IMD and other sources, start the emergency response and relief operations.
			Collector	• Divert the emergency services to areas likely to be affected as per the warning issued by IMD.
			Collector, Chief officer Police Dept.	• Inform the public residing in areas likely to be affected to evacuate through various means such as SMS, AIR, FM Radio, Doordarshan, etc. • Start evacuation from the likely affected areas through Police support, if necessary
			GMB, DIC	• To account for the exact number of fishermen in the sea and fishermen that have already reached the shore
	3	Emergency Relief Management	Collector/DDO	• Ensure that the Relief Management work planned in the areas likely to be affected by the Cyclone are well organized.

			Revenue Dept. & Collector, Civil Supply Dept, Chief officer Water supply Dept., GEB, Health Dept	• Ensure that the arrangement for basic amenities(shown below) at evacuation/relief centres are made by the respective departments: - o Drinking water - o Food - o Clothing - o Sanitation and hygiene, - o Lighting - o Medicines and other Health Care
			Collector	• Inform following agencies to be in a state of readiness for assisting in the Cyclone response measures (if required): - o Public sector agencies - o Private sector agencies - o NGOs - o CBOs - o Volunteer Organizations
			Collector	• Request for help (if needed) to State EOC/Gujarat State Disaster Management Authority(GSDMA)
			Information Department	• Make necessary arrangements for public information/guidance, public opinion and rumor control.
			RTO,Collector, Chief officer	• Restriction may be imposed for transportation in threatened areas.
Time = 0 Hrs	1	Disaster Declaration	Collector	• When Cyclone makes a landfall, Cyclone affected Dist. Collectors should send a communication to the State Govt. to declare the area as disaster affected, if necessary, (depending upon the nature and intensity of impact)
	2	Preliminary assessment, deployment of emergency response teams and information dissemination	Collector, Chief officer, Mamlatdar	• Collector should send teams to the affected areas to take stalk of the effects of Cyclone and associated rain. • District Collector/s should send sector wise situation reports to: State EOC/COR, GSDMA
			Collector, DDO, Mamlatdar, Chief officer	• Deployment of following teams to Cyclone affected areas: - o Emergency Communication Teams - o Emergency Medical Services Teams - o Search and Rescue Teams (With Equipments) - o Preliminary damage Assessment Teams
				o Need Assessment Teams
			Collector, Information Dept.	• Establish communication link with affected districts by activating alternate communication equipments such as Satellite Phones, HF/VHF Sets, Ham Radio, V Set etc., in District EOC and Taluka Control Rooms. • Arrange dissemination of information about occurrence of Cyclone and areas that are affected by it to Media & Public.

Time = 0 + 24 Hrs	1	Mobilization and Deployment	Collector, Chief officer, Key line Dept	• Remain in constant touch with IMD for updates on weather forecast for the coming hours and plan accordingly. • Immediate mobilization of following units/teams to areas affected by Cyclone and associated rains. ○ S & R Teams of Fire and Emergency Services ○ Quick Medical Response Teams ○ Quick Damage & Loss Assessment Teams ○ Quick Need Assessment Teams ○ Road Clearance Teams ○ Teams for disposal of dead bodies ○ Teams for disposal of carcasses ○ Teams for debris clearance (if any) ○ Teams for maintaining Law & Order in the affected areas. ○ Arrange for S & R teams of Air Force (If required).
	2	Measures for quick and organized response	Collector, Chief officer, Key line Dept	• District EOC, ERCs, the Lision Officers of the affected District, taluka/city/s Should ensure that the following response activities are carried out immediately (a to f)
	A.	Clearance of access roads to reach at the sites of affected areas.	R & B Dept. Transport Dept., Railways,	• To survey the access roads/routes leading to the affected areas and manage traffic for mobilization of equipments, machinery and volunteers. • Identify alternate roads/routes for evacuation. • Undertake repairing/restoration of damaged roads leading to the affected areas. • Identify and declare unsafe buildings/structures in Cyclone affected areas. • Evacuate people from unsafe buildings/structures and shift them to relief camps/sites. • Divert/stop transport activities (Rail + Road) heading towards Cyclone affected areas.
	B.	Necessary Arrangements at evacuation/ relief centres	Revenue Dept., Civil Supply Dept., Collectors, Chief officer, Water Supply Dept., Health Dept., GEB, GWSSB & Local Authorities, Police dept.	• To ensure that necessary arrangements at evacuation/relief centers is made with sufficient availability of: a. Food, b. Water, c. Blankets/Clothing d. Medicines e. Lighting f. Sanitation and hygiene etc. • To ensure necessary security arrangements for the personals (Emergency responders/relief teams) • Who are working at Relief Centers and involved in distribution of Relief Materials. • To ensure that law and order is maintained at evacuation/relief centers and in the affected areas as well.
	C	Safety of Industrial workers, fishermen and salt workers	Collector, Port and Fisheries Dept., Tourism Dept., Industrial Dept., GMB, DIC	• Immediate actions to be taken for safety of Inustrial workers, fishermen, salt workers and visitors at Cyclone affected coastal areas. • Ensure that all the fishermen and salt workers have returned from the sea or those who are in the sea are rescued and
				evacuated to safer places.

	D	Ensure immediate health and minimization of outbreak of disease	Health Dept., Transport Dept.	• To establish camp hospitals near the affected areas. • To make transportation arrangements to shift seriously injured persons to nearest Camp Hospitals, Taluka and District Hospitals, Regional and State Hospitals • Ensure that the Hospitals are well prepared to deal with seriously injured persons. • To ensure that the required medical assistance/aid and medicines are provided to the affected people at site as well as at evacuation/relief centers in the affected area and necessary records are maintained. • Take sanitation and epidemic control measures for preventing any water borne disease. • Keep adequate stock of essential medicines, firstaid etc. at taluka/district hospitals • Take steps to purify drinking water sources • If required, take the help of doctors/paramedics from the list of doctors/paramedics available at the taluka/district level for immediate medical assistance.
			Animal Husbandry Dept	• Assess need for fodder if required. • Keep ready teams for carcass disposal (if required).
	E	Information to public and media	Information Dept., collector	• Establish Media/Press Centre for media management and information dissemination • Ensure that the information to media/general public about the response of the State Government is released in an organized manner. • Organize media briefing twice a day at predetermined intervals.
	F	Other important work related to immediate response	Collector	• Prepare quick need assessment report for planning of relief operation. • Additional assistance may be asked for emergency response/relief from State EOC - GSDMA(If needed).
			Collector	• Prepare situation report and circulate it twice a day in the morning and evening to key Government functionaries. • Maintain constant touch with National, District and Taluka EOCs and other control rooms. • Remain in constant touch with IMD for updates on weather forecast for the coming days and plan accordingly. • Conduct Aerial survey of affected areas for taking a stalk of the situation.
			Revenue Dept. Collector,	• Activate evacuation & relief centers according to needs/situation. • Maintain record of persons admitted at evacuation/relief centres.

Chapter 3

Institutional Arrangement For DM

Time = 0 + 24 to 48 Hrs	1	Review of situation and Reporting	Collector	Establish contact with IMD, CWC, ISRO and the defense ministry of GoI for aerial / satellites imageries about further weather condition and plan accordingly.
	2	Restoration of critical infrastructure/essential services	Collector, Line Depts., Chief officer	- Ensure that the essential services/critical infrastructure of the affected areas have been restored or alternative arrangement is made for ensuring safety of people and smooth management of emergency response. - Ensure that key administrative and lifeline buildings are brought back to operation quickly. - Designate and deploy senior officers (as per the need) to worst affected area/s to oversee rescue/relief operation. - Ensure following primary necessities are restored - Power - Water - Telecommunication - Roads - Bridges
	3	Disposal of Dead bodies	Revenue Dept., Collector, Chief officer Police Dept., Health Dept., Local Authorities	- Ensure following procedure is followed before disposal/handing over of dead bodies: - Photographs of the dead bodies are taken, - Identification of the dead bodies is done, - Post Mortem where ever necessary and possible is carried out, - Handing over dead bodies of persons known/identified to their relatives, - Disposal of unclaimed and unidentified dead bodies.
			Animah Husbandry Dept., Local Authorities, health dept.	- Animal Husbandry Department to ensure medical aid to cattles is injured. - Disposal of animal carcasses with the help of local bodies/health dept.
	4	Public Information and Media Management	Collector Information Dept., Chief officer	- Ensure that the information about progress of rescue and relief is provided to media/public in an organized manner at least twice a day. - Establish help lines for facilitating communication between the victims and their relatives residing outside the affected area/s. - Establish Information Centers at strategic locations for providing information about persons evacuated to the relief centres/hospitals.
	5	Miscellaneous rescue and relief Works	Collector, Chief officer	- Assess the situation and take appropriate action to accelerate the Search & Rescue Operations. - Depute additional officers and supporting staff to Cyclone affected areas from non-affected areas (if required) to accelerate the rescue and relief operations.
			Collector, Civil Supply Dept.	Ensure that the relief assistance received from outside is centrally received, stored and sent for distribution to Cyclone affected areas according to their need and proper accounts are maintained about both receipt and distribution.
			Revenue Dept, Civil Supply Dept.,	District Collector may oversee the functioning of relief centres and ensure adequate supply of relief materials.

Time = 0 + 48 to 96 Hrs	1		Collectors, Civil Supply Dept.	• Remain in constant touch with IMD for updates on weather forecast for the coming days and plan accordingly. • Arrange for procurement of additional relief material required for relief operations (on the basis of need assessment). • Mobilize additional relief material required for relief operations. • Maintain constant touch with State & Districts EOCs.
	2		Revenue Dept., Health Dept. and Transport Dept	• Arrangement for transportation of injured from field hospital to base hospital • Arrangement for transport of dead bodies to their native places.
	3		Line Depts., Collector,	• Ensure maintenance of record, timely reporting and information management. • Ensure maintenance of record and information database.
Time = 0 + 96 to 168 Hrs	1		Collector	• Remain in constant touch with IMD for updates on weather forecast for the coming days and plan accordingly. • Review the restoration of all the public and essential in Cyclone affected areas. • Review and follow-up all necessary arrangements for emergency response & relief in the affected area/s.
	2		Collector, IMD	• On receiving the message from IMD about degradation of Cyclone, inform the concern officers.
	3		Collectors, Chief officer, R & B Dept	• Organize a quick rapid visual survey of the affected areas (through a technical team of engineers) to ascertain the safety of the structures decide on giving the go-ahead to people to move back to their respective houses.
	4		Collector, DSP	• After receiving the message of de-warning, ensure that people are moved back safely to their houses.
	5		Revenue Dept.	• Ensure relief disbursement, allotment of funds and grants to line department and district collectors for organizing emergency response, relief and evacuation arrangements

Chapter 3 Institutional Arrangement For DM

3.3.2 Response to Off-Site emergency (Chemical Plan)

S.No	Time	Task	Responsibility Department/ Agency	Activity
1		Disaster declaration And Plan Activation	Collector / DCG	• Declare an off-site emergency in consultation with DCG and activate an off-site emergency plan. • Activate DCG. • Establish immediate communication with LCG, DCG, DEOC, SEOC, GSDMA
2		Mobilization & Deployment	Collector, DISH, DCG, Police Dept, Health Dept, Industry/Industrial Association,	• Arrange an immediate deployment of various ERTs in affected sector(s). (Police, Fire, S&R, Medical etc.) • Based on the emergency monitoring teams from offsite areas initiate countermeasures (such as sheltering and medical help). • Arrange an evacuation of the affected/likely to be affected workers and Population to safer places. • Activate systems of the District machinery to meet the necessary requirements of the public in the camp till the people are in a position to go back to their homes after the affected areas are Cleared and declared safe. Deploy QRMTs/MFRs consisting of physicians, triage officer, nurses and paramedical staff.
			Collector , Civil Supply Dept, Chief officer DISH, Water Supply Dept,health Dept, GEB, Power & Energy Dept,GWSSB & Local Authorities, Police Dept.	• To ensure that necessary arrangements at evacuation/relief centers is made with sufficient availability of: ○ Food, ○ Water, ○ Blankets/Clothing ○ Medicines ○ Lighting ○ Sanitation and hygiene etc. • To ensure necessary security arrangements for the personals (Emergency responders/ relief teams) who are working at Relief Centers and involved in distribution of Relief materials. • To ensure that law and order is maintained at evacuation/ relief centers and in the affected areas as well.
3		Addressing Health related issues	Health Dept.	• Ensure that the required medical assistance/ aid and medicines/ antidotes are provided to the affected people at site as well as at evacuation/ relief centers in the affected area and necessary records are maintained. • Ensure that the Hospitals are well prepared to deal with seriously injured persons. • Keep adequate stock of essential medicines, Antidotes, first-aid etc. at Taluka /district hospitals. • If required, take the help of doctors/ paramedics

				from the list of doctors/ paramedics available at the taluka/district level for immediate medical assistance.
4		Information to public and media	Collector, DISH, Information Officer, Chief officer	• Make an arrangement for providing useful, timely, correct, consistent, and appropriate information to the public and media in the event of a chemical Attack /disaster. • Ensure that the information to media/general public about the coordinated response is released in an organized manner.
• Roles and Responsibility of some of the First Responders during chemical attack/emergency;				
1		Police	Police Department	• Control and divert the traffic near the affected areas. • Ensure law and order at the incident site during chemical emergency/disaster and at Evacuation centers to Provide security in evacuated areas • <u>As per GSDM Act 2003, Give warning, carry out S & R Operation and carry out relief & rehabilitation operation too. In case of Chemical attack;</u> • DCP will direct the participation of police in the emergency response Police will constitute an integrated command. • The DSP will establish contact with the District Police Control Room immediately. He will get a situation estimate and assess the operational requirements for the police. • The DSP will issue an alert to the DIG and the surrounding districts. He will direct all the police officials and forces in adjacent Districts to be deployed if necessary. The DSP will ensure that the police forces required for traffic management, evacuation and law and order are available with the District administration. • The DSP will review the dissemination of warning and the need for evacuation. He will help the Fire & Emergency Services and the Deputy Director, Industrial Safety and Health with Police Wireless sets, so that there is continuous communication among the first responders in the emergency situation. • The DSP will ensure that the police force will not enter the area under disaster without the permission of the Fire & Emergency Services and Health officer. • In case of big explosion and fire, the DSP will assess the situation and suggest a Plan of Action based on his assessment of the immediate causation. • The DSP will order deployment of the police

				force for evacuation of the people from the zone of the danger. • The DSP will send instructions for the cordoning off of the area. People should not be allowed access anywhere close to the site of the disaster. • The DSP will review the traffic management in the area. The primary aim would be to ensure the transport of the injured to the hospital, easy access for emergency responders and safe evacuation of the people from the danger zone. • The DSP will also issue directives that all the Private and Public Transport (trains and buses) be diverted from the disaster area. • The DSP will contact the DIG and ask him to organize the deployment of police force from other Districts, based on the need assessment. • The DSP will also contact the State Industrial Security Forces and other paramilitary forces to seek their deployment, if needed. • The DSP will supervise law and order situation. He will take all the possible precautions to ensure that public order is maintained, and no one takes undue advantage of the situation.
2		Fire and S & R	Fire And Emergency Services (F&ES), Nagarpalika, DMC DAHEJ/ DPMC ANK GIDC	• Reach at the site soonest possible and assess the situation. (information about the chemical leak/spill, the action taken and current status) • In case of fire, start fire fighting with suitable media and also take care of surrounding storages/tanks to be over heated so that reduce the chances of “domino effect”. • In case of chemical leak, try to plugging/stopping of leak with the use of proper PPE • Secretary, Industries will coordinate redeployment of GIDC Fire Tenders from other places, as required. • Secretary, Industries will also coordinate with the Private and Public Sector industries for deployment of their Fire Brigades to the site of the Disaster. • The DCG, in consultation with the District Collector and other local officials will Ensure that CFO Fire Services, Dy. Director Industrial Safety and Health, Officer in charge Police and Health Personnel all work closely with full coordination. • Ahmadabad, Vadodara, Valsad, Surat, Rajkot, and Jamnagar are the main Providers of Fire Services in the state. The DCR will decide upon the deployment of Fire Services, based on Distance and Accessibility. • Search and identify the risk and nullify the sources of leak / toxic release. If any unclear or unidentified substance or source is identified or

				detected, the team should send them immediately to the laboratory for further investigation / analysis • To search and evacuate the affected population from the site of the incident.
3		Medical Services	Dept. of Health and Family Welfare	• CDMO / CDHO emergency medicine experts will provide the necessary expertise and specialized services to the DCG. • The DCG will consider the level of exposure on the basis of situation estimate received from the District administration. It will consider the intrinsic toxic potential of the chemical, its concentration, the duration of exposure, and the health status of the people exposed. • Based on the information upon the level and extent of contamination, the DCG will decide on the issue of alert and warning to the people in the affected areas through the All India Radio, Doordarshan, and Cable TV. • The DCG will contact the Civil Surgeon and the District Health Officer of the concerned district and ask them to deploy all the necessary medical facilities including doctors, nurses, medicines, and ambulances. • The DCG will alert major hospitals in the area, and ask them to be in readiness for receiving patients. • In case the nature of contamination requires much greater intervention, the DCG will inform the SCG and ask for the necessary medical assistance of experts, doctors and equipments. The relevant agency for emergency medicine in the Government of Gujarat is the Directorate General of the Health Services (DGHS) in the Ministry of Health and Family Welfare. The DGHS has set up the Emergency Medical Relief cell, for dealing with these contingencies. • The DCG will review the diagnostic support services: Clinical laboratory, blood banks, radiology, pathology, pharmacy, paramedics, Red Cross, NGOs and volunteer personnel. It will seek all the steps to organize the necessary medical help through the deployment of doctors, paramedics, and provision of blood and medicines, as required. • The DCG will review the administrative support required for the situation, which includes communications, transport of the victims and of the personnel, feeding of the personnel and patients, and supplies. • The DCG will collect information on the number of deaths and persons injured; the nature of injuries and the likely long-term consequences.

				The DCG must assess the medical needs of the area on the basis of likely long-term consequences and take steps to equip local medical facilities for treating People on a long-term basis. The DCG must also make financial provision for spending on long-term treatment.
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3.3.3 Earthquake Responsibility

Time Frame	Sr.No	Task	Responsibility
0 + 15 Minutes	1	Report the occurrence of earthquake to Collector, Resident Additional Collector Heads of all line departments, State EOC.	Mamlatdar / (DEOC)
0 + 30 Minutes	2	Establish communication link by activating alternate communication equipment i.e. satellite phone, HF / VHF set, HAM Radio, VSAT etc. in District EOC /TalukEOCs	DSP, RAC Mamlatdar (DEOC)
	3	Instruct deployment of Mobile Emergency communication Units to affected areas for establishing communication link	Collector
	4	Verify the authenticity of the incident from agencies like IMD, ISR, SSNNL and also from District / Taluka control rooms, Police and Fire Brigade control rooms	RAC, Mamlatdar (DEOC)
	5	In case of L-2 level event, overall management of DEOC shall be taken over by Collector	Collector
	6	Instruct duty officers of line departments to report in DEOC	Collector
	7	Hold first meeting with duty officers	Collector
	8	Contact the Heads of all line departments including the Information Department to reach DEOC	Collector
	9	Alert ERUs and ERCs for quick mobilization to affected areas	Collector
	10	Request for the services of NDRF and Armed forces, if required through designated representative	Collector & COR
0 + 1 Hour	11	Instruct both regular and emergency staff of DEOC to report for duty	Collector
	12	Dispatch of Search & Rescue teams to the affected areas	Collector
	13	Instruct Quick Assessment Task Force to submit preliminary need and loss assessment report of the affected areas	Collector
	14	Alert Quick Medical Response Teams to the affected areas	Collector
	15	Make arrangements for aerial survey of the affected areas	Collector
	16	Instruct local administration to evacuate victims to safer sites	Collector
	17	Contact District In charge Secretary for deciding on time and venue for holding Crisis Management Group (DCG) meeting at the earliest	Collector
	18	Inform all DCG members to attend DCG meeting in designated venue to assess situation and review emergency measures	Collector
	19	Instruct concerned authorities or Agencies to shut down critical operations	Collector
	20	Contact BISAG, NSRA, ISRO and COR for aerial / satellite imageries of the affected areas	Collector

0 + 2 Hours	21	Inform all line department head to report for emergency duties within half an hour	Collector
	22	DCG to assess situation, delegate responsibilities for organizing rescue and relief operations	Chairman, DCG
	23	Senior District level officers to be deputed to the affected areas	Chairman, DCG
	24	Activate Operations Section of ICS for Emergency Response Operation	Collector
	25	Assess the conditions of road, rail and air communication link for quick mobilization of Emergency Teams and resources to affected areas and take follow up actions	Collector & Head of Transport, R & B, Railway Department.
	26	Dy. Director, Information to establish media management / information cell for public information, guidance and rumor control	Collector
	27	Request may be made for assistance from State Government , GSDMA if required	Collector
	28	Request the nearest headquarters of the SRP Force/Nagarpalika/co-operation to render assistance in emergency search, rescue and relief operations	Collector
	29	Contact private / public sector agencies in the District to assist in emergency rescue and relief operations.	Collector
	30	Inform Line Department & COR to provide necessary logistics support to emergency operation task forces.	Collector
	31	If necessary, assistance may be asked from neighboring District and outside agencies	Collector
	32	Set up separate desks for each operation task force and NGO coordination desk in the DEOC for coordinating emergency operations	Collector
	33	Provide security in affected areas and maintain law and order situation	DSP
	34	Mobilize Medical First Response Teams to affected areas	CDHO & Civil Surgeon
	35	Mobilize SAR Teams and search & rescue equipment and machinery to affected areas	DSP,Civil defense, Nagarpalika & R&B Departments,
	36	Instruct district Dy. information officers to establish information centre near affected areas to provide guidance to volunteers and aid agencies	Collector

Chapter 3

Institutional Arrangement For DM

0 + 3 Hours	37	Make suitable transportation arrangement for mobilization of quick response teams to the affected areas	Collector , DSP, ARTO
	38	Maintain constant touch with the State / District and Taluka EOCs	Collector / DEOC
	39	Establish Press / Media Centre for media management and information dissemination	Dy. Director Information
	40	Arrange for press / media release for rum our control and public information and guidance	Collector, Dy. Director Information
	41	Alert all major hospitals to make necessary arrangement for treatment of injured	CDHO, Civil Surgeon
0+ 6 Hours	42	Establish relief coordination centre at the airport, railway station, etc. for arrival of Search & Rescue and Medical Teams coming for humanitarian aid	Collector
	43	Establish State relief coordination centre nearer to District Head Quarter	Collector
	44	Instruct to cordon affected areas and setting up of check posts to control entry and exit	DSP
	45	Open access routes and manage traffic for mobilization of equipment, machinery and volunteers to the affected areas	DSP, ARTO Transport and R&B
	46	Conduct aerial survey and also mobilize quick assessment teams to affected areas	Collector / Leader of quick sssessment Task Force
	47	Establish information centers at the arrival and departure points especially at the airports, railway stations and interstate bus terminus	R & B Department
0 + 12 Hours	48	Mobilize relief materials i.e. tents, food materials, water, essential medicines, blankets, etc. to the affected taluka, Nagarpalika area and villages	Collector / DDO / Line Departments
	49	Arrange to shift evacuated persons to temporary shelters and ensure provision of food, water facilities, blankets and storage of relief materials	Collector / DDO
	50	Arrange road, rail and air transport at District / Taluka headquarters for dispatch of relief arterials' to the affected areas	ARTO
	51	Set up field hospitals near the affected areas	CDHO, Civil Surgeon
	52	Arrange to shift injured persons to field hospitals	CDHO,Civil Surgeon
	53	Instruct Liaison & DSO to establish relief coordination centre and godowns near affected area and provide full security cover as well	Collector / DSO / DSP

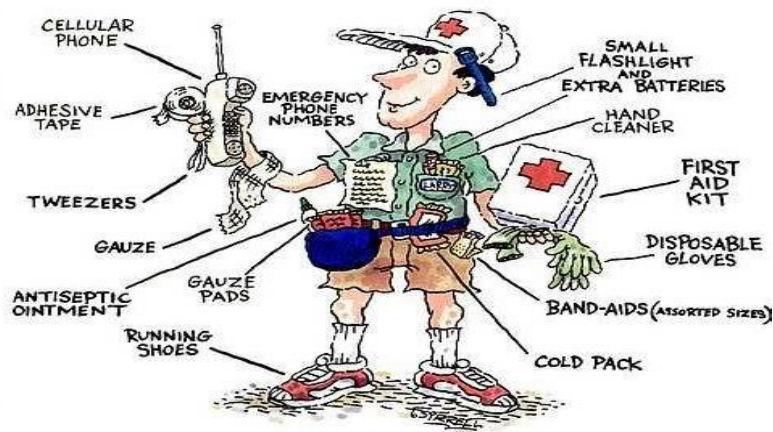
	54	Prepare quick need assessment report for planning of relief operation and mobilization of resources to the affected areas	Collector / DDO / RAC
0 + 24 Hours	55	Instruct to set up Coordination Centers at the Taluka / City area in as well	RAC
	56	Hold review meetings with Duty Officers in every 12 hours	Collector
	57	Prepare and circulate the situation report	RAC (DEOC)
	58	Prepare press notes twice a day	RAC & Dy. Director Information
	59	Depute additional officers and supporting staff to affected areas from non-affected areas	Collector / COR
	60	Restore essential services i.e. power, water supply, telecommunication facilities of DEOC, headquarter, AIR, Doordarshan, Concern officers & all line department	DGVCL/GETCO, GWSSB, DOT, Collector
	61	Coordinate with Emergency Operation Task Forces mobilized to the affected areas	Collector / DDO / RAC (DEOC)
0 + 48 Hours	62	Ensure safety and security of personnel deputed in affected areas for emergency response operation	DSP
	63	Earmark storage point for medical supplies at affected sites	CDHO, Civil surgeon
	64	Arrange for identification, photograph, post mortem and maintenance of records for disposal of dead bodies	DSP, CDHO, Civil surgeon
	65	Arrange information centre at shelter site for maintaining records of victims and to provide guidance to relatives, NGOs, etc	Collector, DDO, DSO
	66	Arrange for complaints regarding missing persons and initiate search in shelters, hospitals and police records	Collector, DSP, DDO
	67	Arrange for Executive Magistrate empowerment for waiving off post mortem of dead bodies	Collector
	68	Arrange for additional manpower if necessary for disposal of dead bodies	Collector
	69	Arrange for transportation of dead bodies to their native places if so required	ARTO, CDHO, Civil surgeon
0 + 72 Hours	70	Arrange for disposal of unidentified and unclaimed dead bodies	Collector, DSP
	71	Arrange for transportation of injured from field hospitals to base hospitals	ARTO, CDHO, Civil surgeon
	72	Activate short and interim relief measures	Collector / Line Dept.
	73	Arrange for distribution of cash doles to the victims	Collector, DDO

3.3.4 Flood Role & Responsibility

S.No	Response to be Taken	Responsible Department
1	Reporting the occurrence of flood to Collector, GSDMA, Heads of line departments,	Resident Additional Collector
2	Establish communication links by alternate communication equipments like phone, radio etc. in District /Taluka EOC and Village level	District Emergency Operation Center,(DEOC)
3	Deployment of Mobile Emergency Communication Units to affected areas for establishing communication links.	District Collector
4	Verifying authenticity of flood from agencies like IMD, CWC Tapi Division, and SSNL and also from Districts/Taluka control rooms.	District Emergency Operation Center,(DEOC)
5	Hold first meeting with Duty Officers	Collector
6	Contact the Heads of all the line departments to reach Taluka EOC	Collector
7	Dispatch of Search & Rescue teams to the affected areas.	Collector
8	Make arrangements for the aerial survey of affected areas.	Collector
9	Instruct local administration to evacuate victims to safer Sites	Collector
10	Assess the condition of road and rail network for quick Mobilization of Emergency teams and resources to affected areas and take follow up steps.	ARTO, R & B Dept, Collector
11	Maintain constant touch with State /District and Taluka EOCs	Collector

Distribution of activities among various district agencies in District during Relief:-

No.	Response To be Taken	Responsible Department
1	Providing temporary shelters to evacuated persons	District Panchyat, Revenue dept, R &B
2	Providing food materials to the victims	Revenue
3	Providing safe drinking water to the victims	Civil Supplies
4	Provision of hygienic sanitation facilities	Water supply Dept.
5	Provision of health assistance	Health Dept, NGO, Community groups
6	Clothing and utensils	Health Dept.
7	Relief camps	Civil Supplies
8	Providing transport services to shelter sites	R & B, Revenue Dept. District Panchyat
		Revenue Dept, Transport Dept.



Chapter 4

Prevention & Mitigation Measures



Chapter 4

Prevention & Mitigation Measures

Personal preparedness focuses on preparing equipment and procedures to use when a disaster occurs, i.e., planning. Preparedness measures can take many forms including the construction of shelters, implementation of an emergency communication system, installation of warning devices, creation of back-up life-line services (e.g., power, water, sewage), and rehearsing evacuation plans. Proper Preparation can save time, money and lives. Planning for all different types of events to magnitudes in at utmost importance for disaster. Proper planning is instrumental during times of chaos to make situations less stressful. With proper planning duties will be pre-assigned to different agencies, so that when disaster does occur responders can jump right into action.

Two simple measures can help to prepare the individuals for either sitting out the event or evacuating, as necessary. For evacuation, disaster supplies kit may be prepared and for sheltering purposes a stockpile of supplies may be created...



In Bharuch district, disaster management and risk reduction have become a permanent agenda of District Coordination Meeting. Now the emergency preparedness level of the district has been reviewed by the District Collector while meeting the line departments every month. Similarly, the issue has got the appropriate institutional back up for reinforcement at the district and sub-district level with disaster management becoming a permanent agenda item of Revenue and Panchayat department's monthly review meeting.

Water logging situation arise during monsoon in Bharuch, to avoid water logging Issue Following Drain should

be clean before monsoon:

4.1 Details of Drain in Bharuch District.

Sr .N .	Drain Area/Route	Name of Taluka	Implementing Department
1	Garamiya Drain from Umaraj and Sherpura to manubar, Kanthariya to Vansi approx 7 to 13 km	Bharuch	Dy.Engineer MIP, Anklesvar
2	Shravan Chowkdi Gail colony to Garamiya approx 2 km.	Bharuch	Dy. Engineer MIP, Anklesvar
3	Bhukhi Khadi Netional highway to parkhet Village	Bharuch	Dy. Engineer MIP, Anklesvar
4	Parkhet Bhukhi Khadi	Bharuch	Dy. Engineer MIP, Anklesvar
5	Behind Hotel Nyay mandir's Drain	Bharuch	Dy. Engineer MIP, Anklesvar

6	Linda khadi to Kothi gam to Tralsi village	Bharuch	Dy. Engineer MIP, Anklesvar
7	Sherpura Cricket ground to Garamiya kans	Bharuch	Dy. Engineer MIP, Anklesvar
8	Matariay Talav to Sherpura Kabrastan	Bharuch	Dy. Engineer MIP, Anklesvar
9	Haldarva to Luvara drain	Bharuch	Dy. Engineer MIP, Anklesvar
10	Haldarva to Vaddala drain	Bharuch	Dy. Engineer MIP, Anklesvar
11	Dabhali to Samlod drain	Bharuch	Dy. Engineer MIP, Anklesvar
12	Tham to Derol drain	Bharuch	Dy. Engineer MIP, Anklesvar
13	Halder to Kuvadar drain	Bharuch	Dy. Engineer MIP, Anklesvar
14	Daredi khadi to Kargat Borikothi	Bharuch	Dy. Engineer MIP, Anklesvar
15	Sukwal –Maljipura-Mitamora to Dharoli Drain	Jhagadia	Dy. Engineer MIP, Anklesvar
16	Panwad –Talodara & Zarpaniya to Talodara	Jhagadia	Dy. Engineer MIP, Anklesvar
17	Kharchi to Bhilwada to National Highway N-8 Mandava	Jhagadia	Dy. Engineer MIP, Anklesvar
18	Vali to Dhabha & valad Drain	Jhagadia	Dy. Engineer MIP, Anklesvar
19	Karena to Vehlami Khadi Drain	Amod	Dy. Engineer MIP, Anklesvar
20	Telod to Suthadara Drain	Amod	Dy. Engineer MIP, Anklesvar
21	Ochen Drain	Amod	Dy. Engineer MIP, Anklesvar
22	Ochan to Karena Drain	Amod	Dy. Engineer MIP, Anklesvar
23	Advala to Dhadhar drain	Amod	Dy. Engineer MIP, Anklesvar
24	Soanama to nahiyer drain	Amod	Dy. Engineer MIP, Anklesvar
25	Tanacha to Anor drain	Amod	Dy. Engineer MIP, Anklesvar
26	Anor local drain	Amod	Dy. Engineer MIP, Anklesvar
27	Ranada to Anor drain	Amod	Dy. Engineer MIP, Anklesvar
28	Vahiyal to Ochal drain	Vagra	Dy. Engineer MIP, Anklesvar
29	Ambhel to pakhajan drain	Vagra	Dy. Engineer MIP, Anklesvar
30	Narnavi to kathodara,Ambhel to PakahajanPahaj ora to Vicchyad drainVahiyal local drain	Vagra	Dy. Engineer MIP, Anklesvar
31	Limadi to Pakhajan drain	Vagra	Dy. Engineer MIP, Anklesvar
32	Rahad Kelod drain vagra , Local drain vagra, Pisad drain Rahad Vastikhandali drain	Vagra	Dy. Engineer MIP, Anklesvar
33	Vagra local drain	Vagra	Dy. Engineer MIP, Anklesvar
34	Mosam Local drain	Vagra	Dy. Engineer MIP, Anklesvar
35	Saladara Saykha drain	Vagra	Dy. Engineer MIP, Anklesvar
36	Nahar Rupeshvar temple drain RHS/LHS drain	Jambusar	Dy. Engineer MIP, Anklesvar
37	Nahar Kangam drain	Jambusar	Dy. Engineer MIP, Anklesvar
38	Nahar Kavali drain	Jambusar	Dy. Engineer MIP, Anklesvar
39	Kavi kora Joining Nobar drain	Jambusar	Dy. Engineer MIP, Anklesvar
40	Kora –Panchakada & madafar drain	Jambusar	Dy. Engineer MIP, Anklesvar
41	Panchakada Sambha drain	Jambusar	Dy. Engineer MIP, Anklesvar
42	Panchakada navi nagri drain	Jambusar	Dy. Engineer MIP, Anklesvar
43	Sambha kora drain	Jambusar	Dy. Engineer MIP, Anklesvar
44	Sambha Branch drain	Jambusar	Dy. Engineer MIP, Anklesvar
45	Sigam Galantec & Zamdi drain	Jambusar	Dy. Engineer MIP, Anklesvar
46	Neja Adrakha drain	Jambusar	Dy. Engineer MIP, Anklesvar
47	Chidra Bhadkodarta drain	Jambusar	Dy. Engineer MIP, Anklesvar

48	Nada Kapuriya drain	Jambusar	Dy. Engineer MIP, Anklesvar
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49	Widening & Deepening of Vadadala, Rahadpor, Umraj to Garamiya	Bharuch	GNFC
50	Narmada Chowkdi to vishvas clolony to Shital circle highway(old NH8)	Bharuchcity	Dy. Engineer R&B (State)
51	Ashray society to Ayodhyanagar to Matariay Talav Drain	Bharuchcity	Nagarpalika, Bharuch
52	Back part of Angan Apartments	Bharuchcity	Nagarpalika, Bharuch
53	Fata Talav to Varagi Vad	Bharuchcity	Nagarpalika, Bharuch
54	Id-Gha to Kharudinvava area	Bharuchcity	Nagarpalika, Bharuch
55	Link Road to Ayodhyanagar	Bharuchcity	Nagarpalika, Bharuch
56	Dungri Three well to Ankhari manzil	Bharuchcity	Nagarpalika, Bharuch
57	Godi Road, Rajnigandha Society to near Railway	Bharuchcity	Nagarpalika, Bharuch
58	Furja Pahaj to Dattmandir	Bharuchcity	Nagarpalika, Bharuch
59	JB Modi park to ahead Sabugath area	Bharuchcity	Nagarpalika, Bharuch
60	Bahucharaji navinagari to animal hospital way	Amod city	Nagarpalika, Amod
61	Animal hospital to Jalaram nagar area	Amod city	Nagarpalika, Amod
62	Bhimpura road to Mahmadi mosque	Amod city	Nagarpalika, Amod
63	Taluka Panchyat Navi nagari to Malla talavadi	Amod city	Nagarpalika, Amod
64	Vanta Rothodvas to Bharuch Jambusar road	Amod city	Nagarpalika, Amod
65	GEB Sub Station to Big lake area	Amod city	Nagarpalika, Amod
66	GangSahid to Ankhi Bhogal to Manak Temple	Jambusar City	Nagarpalika, Jambusar
67	Nr mamlatdar office	Jambusar City	Nagarpalika, Jambusar
68	Tanakri Bhagol to Swastiknagar Society	Jambusar City	Nagarpalika, Jambusar
69	Parixishit girl hostel to Savgan Society	Jambusar City	Nagarpalika, Jambusar
70	Swaminarayan temple to kava road railway crossing	Jambusar City	Nagarpalika, Jambusar
71	Khanpuri Bhagol rain drain after railway crossing	Jambusar City	Nagarpalika, Jambusar
72	Patel society to local board office	Jambusar City	Nagarpalika, Jambusar
73	Bala Nagar society to Talawdi	Jambusar City	Nagarpalika, Jambusar
74	Referal Hospital Gate 2 to Citizen society after railway crossing.	Jambusar City	Nagarpalika, Jambusar
75	Baroda road to Godoown firdosnagar society	Jambusar City	Nagarpalika, Jambusar
76	Milatnagar Society to Dabha Four way road.	Jambusar City	Nagarpalika, Jambusar
77	Near Red Sahid mosque to National Park railway crossing	Jambusar City	Nagarpalika, Jambusar
78	In front of Gamvadi vaghela to abed beg farm	Jambusar City	Nagarpalika, Jambusar
79	NH-8 to Luvara to Haldarva,Vaddala to Zadeshwar Chokdi Drainage	Bharuch	National Highway Authority
80	NH-8 to Palej to Bhukhikhadi Drainage	Bharuch	National Highway Authority
81	Palej(GEB) To Sansrod Narmada canal to Bhukhi khadi	Bharuch	Exe. Engineer Narmada Yojana & National highway Authority
82	Palej koliyadroad to National Highway Drainage to Matroj Drain(towards Baroda) NH -8	Bharuch	National Highway Authority

4.2 Capacity Building:

- **Soft skill (Trainings & Awareness)**
- **Physical Strengthening (Equipments & Buildings)**

Bharuch district had taken the preparedness measures from village level to District level.

- Bharuch district administration conduct Pre monsoon meeting which is one of the fundamental function of district and taluka administration for premonsoon activities of each & every department to prepare plan and start work with aspect to preparedness. Such As Nagarpalika prepared city plan according to vulnerability of the area, Mamlatdar office prepared TDMP including the Resource Material. And every line department start work with aspect to preparedness in their respective jurisdiction.
- Village Task forces formed & trained.
- Disaster Management plans like VDMPs, TDMPs, and CDMPs & DDMPs prepared & updated.
- District level officers reviewed village level disaster preparedness & interacted with the Village level Disaster Management team members.
- In Pre-monsoon meeting departmental, and stake holder's SOP were discussed & finalised, for any kind emergencies.
- For capacity building several Search & Rescue and First aid trainings organized in those trainings disaster management teams and committees members trained at village, city, and taluka and district level.
- Bharuch District administration also identified several stake holders from line departments, corporate sectors, NGOs and involved volunteers in disaster risk management activities; Control room Staff training, Students, teachers, home guards, police personnel, NCC and NSS students were also trained and mock drill realized. In most hazards flood prone area like Jhagadia, Ankleshvar, Bharuch and Hansot, Cyclone Prone area like Hansot, Vagra, Amod and Jambusar and other more important is Chemical Disaster in Whole district officers and peoples are more Orientation so that their services can be taken at the time of any emergency.

4.3 DRM (Disaster Risk Management) Programme is implementing by district administration Under the Community based Disaster Management. DRM (Disaster Risk Management Programme) is one of the major initiatives of Gujarat State Disaster Management Authority to build/strengthen capacity of various stakeholders for an effective response during disasters. The DRM Programme is formulated with a goal of sustainable reduction in disaster risk in most hazard prone districts in Gujarat state. The programme activities are designed in a way which supports capacity building to institutionalise the system, undertake environment building, education, awareness programmes on different facets of disaster management including strengthening of human capacity at all levels in disaster risk management and sustainable recovery.

The DRM Programme is aiming at strengthening of response, preparedness and mitigation measures through a variety of activities at various administrative levels. Considering the impact of DRM Programme activities, GSDMA included DRMP as a new scheme and made financial provision in state budget since 2007-08 considering implementation of exit strategy of UNDP in the year 2008. GSDMA started utilising state government resources and made necessary arrangements to maintain flow of DRM Programme activities across the state.

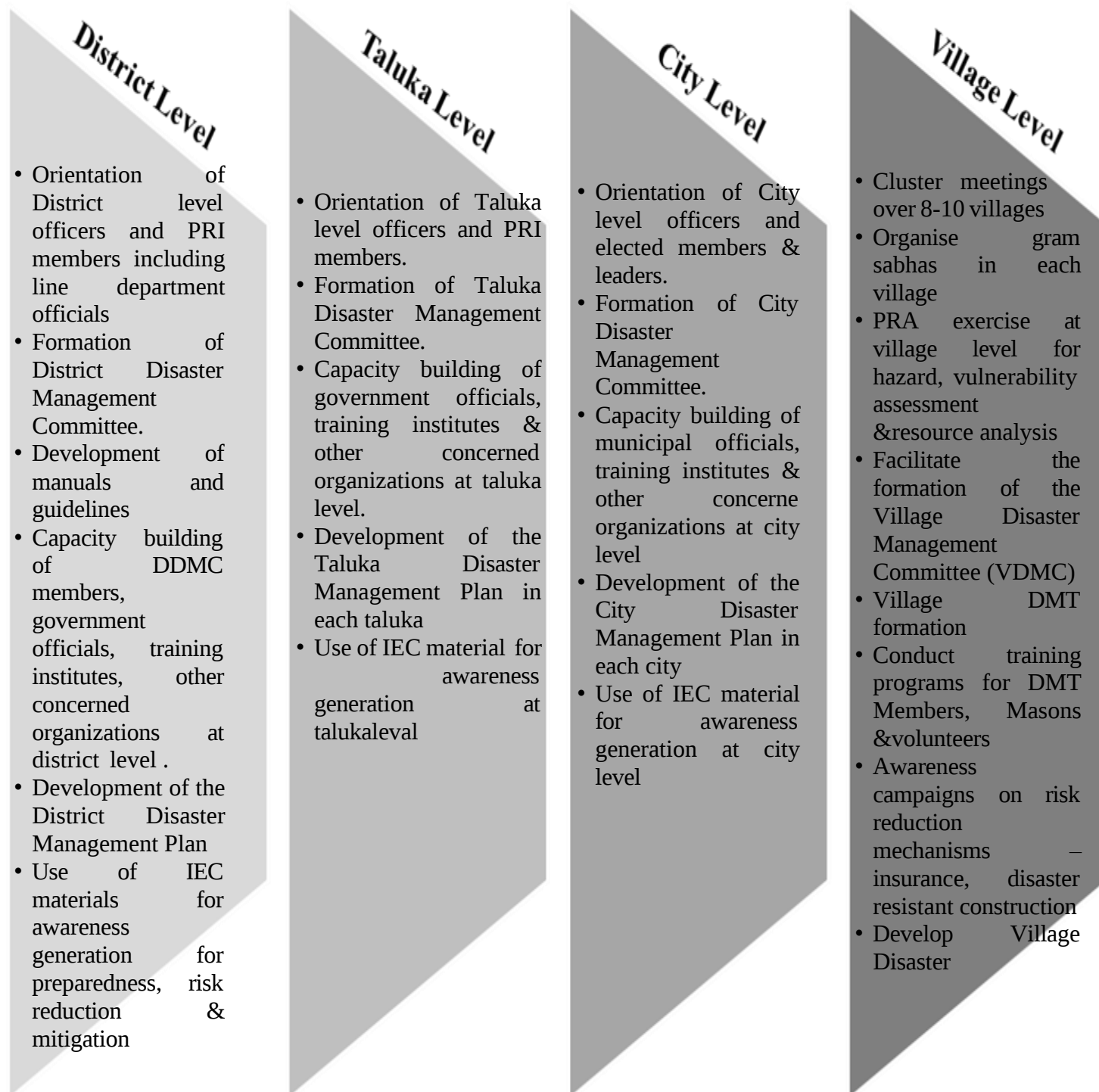
GSDMA focuses on disaster prone districts of the state for strengthening of response, preparedness and mitigation measures. In order to ensure effective implementation of programme activities, GSDMA has appointed District Project Officers (DPOs) at district level who is working under the direct supervision of the respective District Collector. The DRM Programme initiative includes:

1. Development of disaster risk reduction and response plan at each administrative level – Village, Municipality, Taluka and District.
2. Creation of Disaster Management Teams and Committees at various levels and their institutional capacity building through training and hardware resources.
3. Capacity Building for various stakeholders in different subject areas.
4. Updation of national and state level online database i.e. IDRN & State Disaster Resource Network respectively for disaster preparedness and management.
5. IEC materials development for awareness generation programmes as well as training and capacity building.
6. Manual development for trainers and practitioners at different levels.
7. Integration of disaster management plans in to the development plans of local self-governments.

Chapter 4

Prevention & Mitigation Measures

4.3.1 Disaster Risk Management (DRM) PROGRAMME Level Specific Process:



Chapter 4 Prevention & Mitigation Measures



The training manuals for

Glimpses of DRM Programme in Bharuch District

preparation of DM plans, including database formats for all the levels have been prepared in the local language and field tested. In Gujarat, model DDMP, TDMP, CDM, VDM and WDM have been developed to help with the preparation of plans along with Standard Operation Procedure (SOPs). SOPs and manuals for first aid, Search & Rescue, CPR and first-aid pocket size booklets and handbooks have been developed for distribution to different DM teams. A series of twelve posters have been developed as training aids for S & R and F & A training programmes.



➤ Hazard Manuals for Earthquake, cyclone, flood and industrial accidents have been developed and distributed to all the taluka/village/city officials in the Bharuch district. In addition, leaflets and do's and don'ts along with safety tips addressing fire, tsunami, flood, cyclone, flood, and industrial and chemical hazards have been developed which are extensively used during orientation and training programmes..

4.4 Prevention and Mitigation Plan

For disaster prevention and mitigation, both structural and non-structural interventions can be planned. Structural interventions include construction of physical engineering and non engineering structures to reduce hazard risks. Non structural mitigation includes awareness and capacity building at official and community level, formulation of new plans and overall promoting a commitment for safety.

Mitigation measures can be divided in two categories:

- i) Structural measures: On site works, construction, and engineering works and
- ii) Non-structural measures: Which include studies, research, regulations, policy changes and capacity building activities that support the structural measures.

The District disaster management plan includes hazard specific structural and non structural mitigation plans in consultation and convergence with various Departments. For example, the MGNREGA work can take up activities on construction of embankment for flood safety or the forest department may take up mangrove plantation in the coastal areas, while the water supply department can construct hand pumps on raised platforms.

Departments shall draw out its own plan, goals and milestones and review it annually for its achievements and planning for next year.

4.4.1 Mitigation Measures

Structural Mitigation Measures for Flood (Identified works of concerned Departments are indicative)

Probable Mitigation Measures	Identified Locations and Villages	Implementing Departments	Convergence with Scheme/ Program	Time Frame
Desilting and deepening of water chanel (kaans)	1. Dahej Rly crossing to Bhukhikhadi 2. Pakhajan to Kaladara 3. Galenda to Jolva, 4. Ora to Kharkhandali to Vichiyad to Badalpura	Irrigation and Rural Development	Departmental program & MGNREGS	2016-17
Construction of embankments/ protection wall	On coastal belt to reduce land erosion by sea water	Rural Development, Forest	Departmental program & MGNREGS, watershed	2016-17
Repair of embankments/ protection wall	Kaladara, Vengani, Suva, Koliyad, Rahiyad, Ambheta, Jageshwar, Dahej, Luvara	Rural Development, R & B	Departmental program & MGNREGS	Regularly
Repair and maintenance of Flood Channels, canals, natural drainage, storm water lines	Divert water from Bhukhi to Narmada from Karjan to Dabhoi	Irrigation department	Departmental or special plan	2016-17
Construction of Safe Shelters (new construction through Indira Awas, SardarAwas and AmbedkarAwas)	Respective villages	Rural Development	Housing Scheme	Regularly
Protection wall and mangroves and vegetative cover against sea level intrusion and land erosion	Kaladara, Vengani, Suva, Koliyad, Rahiyad, Ambheta, Dakeshwar, Dahej, Luvara	Forest and Rural development department	Department schemes, MGNREGS, IWMP	2016-17
Desilting of water bodies like river and	Village ponds and Bhukhi river stream	Irrigation TDO Rural Development	MGNREGA and Land Development	2016-17

Non-Structural Mitigation Measures for Flood

Non-Structural measures	Locations/ coverage area	Implementing Departments	Convergence with agency/program	Time Frame
Safety audit of existing and proposed housing stock in risk prone areas	Flood risk prone villages	TDO, Rural development	IAY, SardarAwaas and other rural housing schemes	Regularly
Promotion of Traditional, local and innovative practices like bamboo/plastic bottle rafts etc	Flood risk prone 17 villages	TDMC, SHGs and youth groups, NGOs	Training and capacity building plan for disaster management	2016-17
Capacity building of volunteers and technicians	Flood risk prone 17 villages	TDMC	Training and capacity building plan for disaster management	2015-16
Awareness generation on health and safety of livestock	Flood risk prone 17villages	Block veterinary officer, rural development	Departmental Scheme	Regularly

Structural Mitigation Measures for Cyclone

Structural measures	Identified Locations and Villages	Implementing Departments	Convergence with Scheme/Program	Time Frame
Plantations (mangroves) and Shelter Belt in the Coastal Area	Cyclone prone 43 villages	Forest department, Port Authority, DIC, TDO, Rural development department	Departmental schemes, MGNREGS	2016-17
Identification and repair/ retrofitting of houses and buildings unsafe for cyclone		R&B (ZilaPanchayat)	Departmental Scheme	Regularly

Note: Jageshwar, Rahiyad, Suva, Kaladara, Khanpur&Katopar have been taken up in National Cyclone Risk Mitigation Program. (NCRMP) (Land allotted for Cyclone Shelter)

Non-Structural Mitigation Measures for Cyclone

Non-Structural measures	Location/ coverage area	Implementing Departments	Convergence with agency/ program	Time Frame
Non-Structural measures	Location/ coverage area	Implementing Departments	Convergence with agency/ program	Time Frame
Strengthening of Early warning mechanisms	Cyclone prone 43 villages	DDMC, TDMC		Regularly
Training and awareness generation for use of safety jackets/rings/buoys/rope etc for fisher folks		DDMC, TDMC, VDMC	TDMP	2016-17
Enforcing strict compliance to coastal regulation zone		Department of Environment & Forest		2016-17
Registration of fishing boats		Fisheries Department		2016-17
Regulate and issue orders for poor quality hoardings/buildings or any other objects		R&B Department		2016-17

Structural Mitigation Measures for Earthquake

Structural measures	Identified Locations and Villages	Implementing Departments	Convergence with Scheme/ Program	Time Frame
Retrofitting (if required) of public utility buildings like offices, schools/ banks/ markets etc	Whole District	R & B (State and Panchayat), Panchyat, Rural department		2016-17
Retrofitting of unsafe rural houses		DDMC,DDO	Rural housing schemes and departmental programs	2016-17
Identifying and safely dismantling unsafe structures		R & B department		2016-17

Non-Structural Mitigation Measures for Earthquake

Non-Structural measures	Location/ coverage area	Implementing Departments	Convergence with agency/program	Time Frame
Capacity building of architects, engineers and masons on earthquake resistant features	Whole district	R & B (State and Panchayat), DDMC		2016-17
Registration of trained and certified mason		R & B (State and Panchayat), DDMC		2016-17
Strict enforcement of guideline pertaining to seismic safety for government rural housing		DDO	Rural housing schemes	2016-17
Mock-drills for Schools, Hospitals and , Public Buildings and trainings for mason, engineers and architects		DDMC, Schools		2016-17

Industrial (Chemical) Structural Measures (in coordination with LCG, DCG district and state level authorities)

Structural measures	Activities	Implementing Departments	Convergence with agency/ program	Time Frame
Monitoring impact of industries on NRM (land, water and air)	Data collection of impact on natural resources (ground water monitoring wells, air quality test, etc)	DDMC, TDMC, LCG , GPCB		Regular interval
Safety assessment	Carry out structural safety inspection/audit	DISH, DCG, LCG (Dy. Industrial safety and health)		Regular interval

Industrial (Chemical) Non-Structural Measures (in coordination with LCG, DCG, district and state level authorities)

Non structural Measures	Activities	Implementing Departments	Convergence Agencies	Time Frame
Planning	Prepare an onsite and offsite emergency plan	Occupier, DISH		2016-17
	Conduct mock drills as per the regulations	DCG, DISH and LCG		regular interval
	Update the plan as per the requirement	Occupier, DISH		regular interval
	Monitor similar activities	DISH and LCG		regular interval

Non structural Measures	Activities	Implementing Departments	Convergence Agencies	Time Frame
	in all the factories/ industries			
Capacity Building	Develop IEC material for Publication & Distribution	DDMC,TDMC		2016-17
	Awareness generation to general public and medical professional residing near MAH factories for immediate steps	DDMC,TDMC, LCG		2016-17
	Organize training programmes, seminars and workshops (e.g. for drivers of HAZMAT transport, line departments officers, Mamlatdar etc)	DDMC, TDMC, LCG		2016-17
	List of experts/ resource person/ subject specialist (District emergency Off site plan)	DDMC, TDMC, LCG		2016-17
	Encourage disaster insurance	Labour& employment department		2016-17
Medical	Listing of hazardous chemicals and gases.	Occupier, DCG, LCG, DISH, BHO		2016-17
	Keep check on availability and validity of relevant antidotes for chemical hazards prevalent in District	Occupier,DCG, LCG, DISH, BHO		2016-17
	Workshops and trainings for medical professionals to handle potential chemical and industrial hazard	BHO, DCG, Occupier, LCG, DISH		Regularly
Compliance	Environmental Protection Act, Factory Act, Mutual Aid SOPs	DISH , GPCB		Regular interval
	Any other			

At the District level, the District Crisis Management Group (DCG) is an apex body to deal with major chemical accidents and to provide expert guidance for handling them. DCG has a strength of 34 members which includes District Collector, SDM and Dy. Collector, DDO, Dy. Director – Industrial Safety & Health, DSP, PI, Fire Superintendent of the City Corporations or important Municipalities, Chief District Health Officer, Civil Surgeon, SE, Chief Officer, Dy. Chief Controller of Explosives, Commandant – SRPF, Group-I, Dy. Director – Information, Manager DMC Dahej & Ankleswar and to name a few. At Taluka level Local Crisis Management Group (LCG) is formed for coordination of activities and execution of operations.

4.4.2 Mainstreaming Disaster Risk Reduction (DRR) in Development Context

Mainstreaming DRR concerns in development planning can guide the allocation of resources towards the protection of life and assets, restoration of productive systems and livelihoods, regaining market access, rebuilding social and human capital and physical and psychological health. Development plans therefore take on a critical role in disaster risk management. The process of mainstreaming DRR into development planning needs to have appropriate tools and methodologies along with political commitment, public understanding, scientific knowledge and expertise.

National and state level development schemes play a crucial role for the socio-economic development of the community. These schemes target huge population every year with large amount of funds for their implementation. Thus, there is tremendous potential for reducing vulnerability & risks through integration of DRR in national schemes through structured framework and operational measures

Some key measures at policy level and delivery mechanism that can be incorporated in these national and state schemes are tabulated below. *(DDMC should emphasis on these issues in periodic meeting and incorporate relevant activities in the DDMP)*

Scope of integrating DRR in development schemes

(Suggested for Departments and schemes to incorporate in their plans)

Sector/National and State Schemes	Action Points (Probable)
Housing and public buildings 1. IAY (Indira AwaasYojana) 2. SardarAwaasYojana 3. Other Housing Programmes	• Safety audit of existing housing stock • Establishing Technology Demonstration Units for public education and awareness. • Certification of masons and creating database of master trainers. • Strengthen compliance and enforcement procedures of local building laws in the hazard prone areas • Adding construction elements for special needs groups in design and planning of all public buildings and mass housing projects

Water and Sanitation 1. National Rural Drinking Water Programme (NRDWP) 2. Swajaldhara and WASMO Projects, 3. Total Sanitation Campaign	• Rainwater Harvesting • Water recharge and conservation • Flood mitigation- retaining wall, strengthening embankments etc
Employment and NRM 1. Pradhan Mantri Gramodaya Yojana (PMGY) 2. Mahatma Gandhi National	• Prioritising and taking up works for flood control drought proofing • Land development including plantation • Revival of traditional water harvesting structures

4.4.3 Risk Transfer / Risk Distribution

Risk transfer or risk distribution refers to compensation cover against loss of life or assets in case of any disaster event. Insurance and reinsurance mechanisms and products against natural and manmade disasters have rapidly evolved in last decade. According to UNISDR, “Insurance is a well-known form of risk transfer, where coverage of a risk is obtained from an insurer in exchange for ongoing premiums paid to the insurer. Risk transfer can occur informally within family and community networks where there are reciprocal expectations of mutual aid by means of gifts or credit, as well as formally, where governments, insurers, multi-lateral banks and other large risk-bearing entities establish mechanisms to help cope with losses in major events. Such mechanisms include insurance and re-insurance contracts, catastrophe bonds, contingent credit facilities and reserve funds, where the costs are covered by premiums, investor contributions, interest rates and past savings. Linkages with government insurance schemes like Rashtriya Swasthya Bima Yojana, Aam Admi Bima Yojana can be extensively taken up for risk transfer. Linkages can

be done for teaching staff and children with existing insurance schemes. Livestock insurance can also be taken up through animal husbandry department. Coverage of crop insurance should be increased specifically for small and marginal farmers. Weather/rainfall insurance can also be explored with various existing schemes. *(DDMC should draw up their own risk transfer/distribution framework and action plan in this regard)*

Institutional Plans

Each line department and important institutions at Taluka level should have disaster management plan in coordination with DDMC. The plan shall be comprehensive and include aspects of mitigation, preparedness and response.

The objective of the plan will be to: –

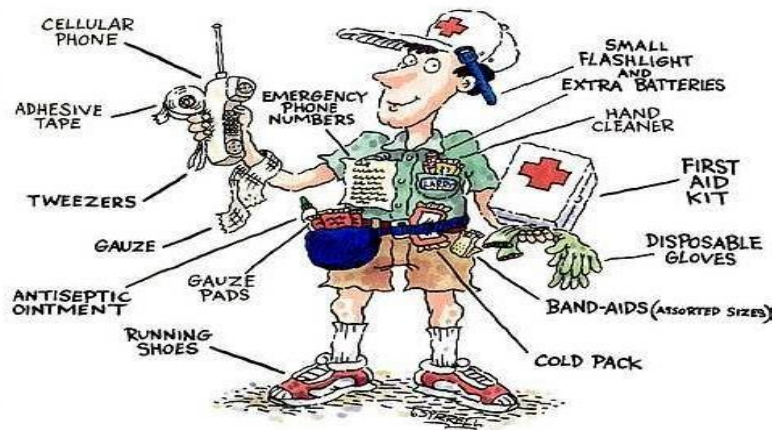
- Identify risks, vulnerabilities and capacities within the school premises
- Identify potential support agencies near the school.
- Prepare an action plan for capacity building- schedule of trainings, mockdrills
- Prepare evacuation plan for emergency,
- Enlists procedures and measures for all round safety: fire, labs etc
- Generate data bank, which will have important contact numbers, contact persons, etc.
- Prepare stock pile of life saving tools, medicines/first aid, clothing material

A Taluka level forum for safe schools should be promoted to enhance peer to peer learning process and share experience and good practices for safe schools.

Departmental Information (linkages with other stakeholders):

The mitigation strategy of the district plan can be linked to the Indira AwasYogna to ensuring that all new houses that are built contain seismic safe features and the mason's building these houses are trained in seismic safe construction. This is one example, other examples are: flood and cyclone shelter to be constructed from the existing developmental Programme, rising of the platform of school building etc. some of them are listed:

1. Raising platform for new building in low lying or flood prone areas.
 2. Alternate income generation activities to the risk group through District Panchayat's Sakhi Bachat Mandal and Self help Groups.
 3. Raising the platform of tube well in flood and cyclone areas.
 4. Strengthening and abiding the local coping mechanism.
 5. Construction of high raised platforms from Forest for animal resources.
 6. Road & bridges to be constructed and repair based on to reduce the vulnerability.
 7. Provision of communication facility to the vulnerable areas.
 9. Developing the skill and capacity of various DMTs to meet the disasters.
- Linking of the departmental plans with long term developmental activity in the district as well as regular updating and mock drills can ensure long term sustainability.



Chapter 5

Preparedness Measure



Chapter 5

Preparedness Measures

Planning is the one of the key elements in the Preparedness cycle. Preparedness cycle illustrates the way the plans are continuously evaluated and improved through a round of planning, organizing, training, equipping, exercising, evaluating and taking corrective actions.

1. **IRT:** As per NDMA's IRS guidelines which prescribe Incident Response Team (IRT) at District, Sub-Division, Tehsil and Block level should be constituted under the written directives of District Magistrate (DM). These teams will include experienced officers / employees at all levels and respond to all natural and man-made disasters. The lowest administrative unit (Sub-Division, Tehsil or Block) will be the first responder as the case may be. IRT at all levels will have same structure, i.e. IC supported with Operation, Planning and Logistic sections. The IRTs are to be pre- designated at all levels.
2. **District Emergency Operations Centre (DEOC):** District Emergency Operations Centre becomes a nodal point for overall coordination of planning and response. Its main duty is to ensure that the EOC facility has required communication (connecting all stakeholders vertically and horizontally), Decision support system, alert and warning system in working conditions.

EOC SOP

1. Emergency numbers existing for Police, Fire and Medical support etc. are linked to the EOC for response, command and control under an SOP. For e.g., if there is any fire incident, the information should not only reach the fire station but also the EOC and the nearest hospital to gear up the emergency medical service.
2. NGOs carry out their activities in an equitable and non-discriminatory manner. Set up wherever possible an NGO Coordination Centre.
3. Ensure that telephone directory of all ESF is prepared and available with EOC and members of IRTs.
4. Ensure that adequate exercises are conducted for testing the plan and gaps analyzed.
5. Outline plan to receive support from State and Central Government in a major disaster (e.g. helipads, evacuation, food distribution, medical support).

Chapter 5

Preparedness Measures

5.1 State Disaster Resource Network: (SDRN)

SDRN is Web base data base system/portal and can be utilised for the DM related resource details/ information of Taluka, City and Village of whole Bharuch district. SDRN consist contacts related as well as resources related both types of details of the Gujarat State. This portal can be utilised from Taluka, District and from state level where GSWAN connectivity and through Internate is there. For utilisation of the same one can use with link. www.gsdma.org

5.2 India Disaster Resource Network : (IDRN)

IDRN is nationwide data base portal and utilised through district and from state and national level .IDRN consist online data base of equipments, skilled men power and critical supplies of whole nation. Thidata base can be utilised at the time of crisis; the hard copy of updated equipment related details is having with DEOC separately. For utilisation of the same one can use with link. Bharuch District stands second rank in India for



Chapter 5

Preparedness Measures



5.2.1 Automated Weather System

The Automated Weather System is a wireless GSM / GPRS enabled station, and is useful for collection of weather data based on certain parameters. Along with collection of data, it automatically transmits this data to the internet, making real-time information available at your finger tips. This is a lowest energy consumption system, helps it run for days without charging.

The Parameters measured Include:

5.2.1.1 Temperature(Range- 40 to 123.8 ° C)

5.2.1.2 Relative Humidity(Range 0 to 100%)

5.2.1.3 Wind speed(Range 0 - 250 K mph)

5.2.1.4 Wind Direction(Range 0 to 359 °)

5.2.1.5 Rainfall(Range -100mm / hour)

One can set trigger levels for these parameters and as soon as these trigger levels are breached, automatic smses can be sent to a pre-decided list of people, informing them about the possibility of a natural disaster. As per pre-defined preparatory roles of these people, preventive measures like evacuation, etc. can be undertaken promptly, to reduce loss of human lives and other damage.

Hence, as a part of comprehensive upgradation of preparedness measures undertaken by the District Administration, Bharuch, process has been started to establish these weather stations in each of the 9 Talukas of the District as well as the river sites of Narmada and Dhadar Rivers. This will go a long way in reducing response time to emergencies that arise.

Chapter 5

Preparedness Measures

5.2.2 Disaster Alert and Resource Management by Application of Technology (DARMAT)

The large-scale DDMP updation exercise being carried out in Bharuch is a way to improve its preparedness measures. One of the most important parts of this updation exercise is the building of a GIS-based databank, which reflects the key vulnerabilities and resources of the district in a layered and multi-tiered format, and

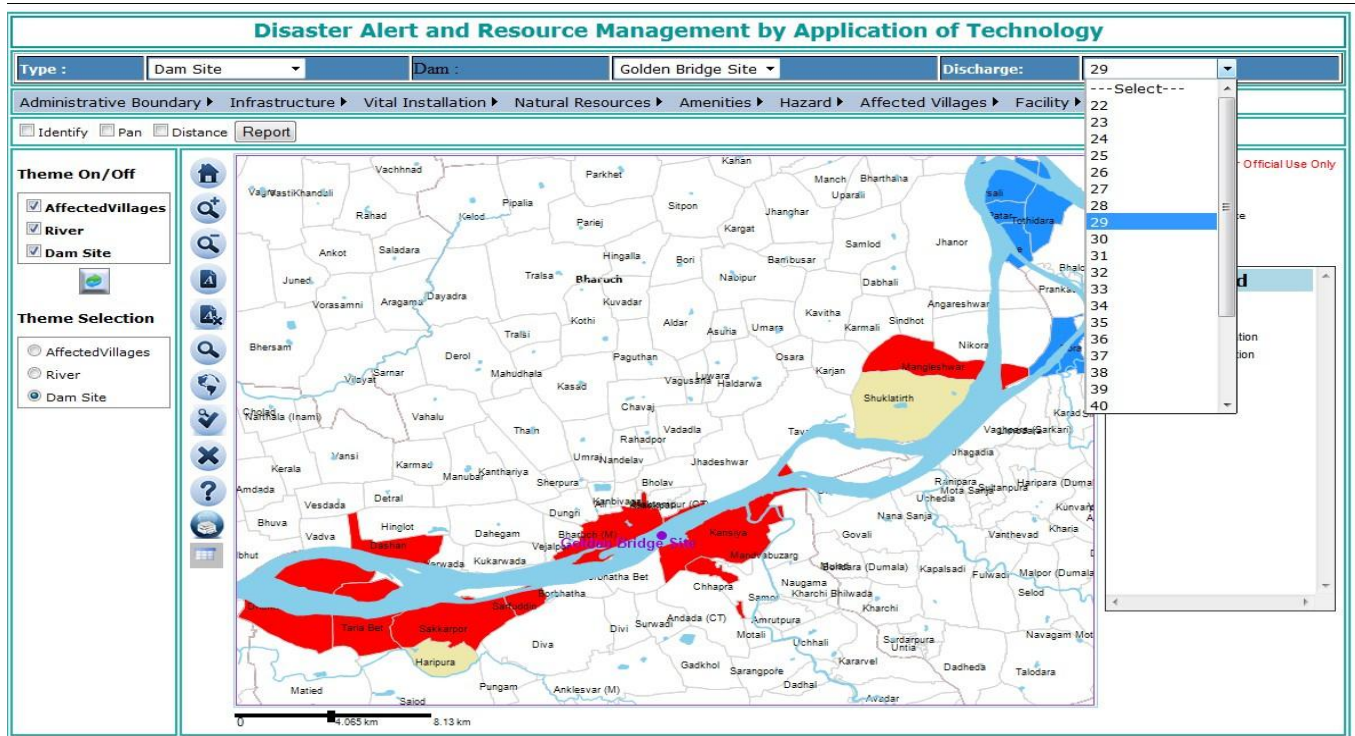


develops an SMS-based early warning system at the same time. Technology partner BISAG (Bhaskaracharya Institute for Space Applications and Geo-informatics) is instrumental in developing a software program called DARMAT (Disaster Alert and Resource Management by Application of Technology) as it has previously done in Rajkot district.

The software is a query-based platform, and one can enter the water level in a drop-down menu, and obtain the areas flooded and vulnerable villages as highlighted on a map. These areas are identified according to proximity with the river and vulnerability to flooding and this allows the District Administration to reduce delays in response and planning. Alongside, additional layers highlight the relief shelters, schools, hospitals, Primary Health Centres and other vital installations falling within these areas or in safe regions, allowing us to formulate strategies for evacuation and relief well in time.

Chapter 5

Preparedness Measures



5.2.3 Technological Preparedness Measures for Chemical and Industrial Disasters: CAMEO

Other technological innovations are setting up of a GIS-based system for Chemical and Industrial Disaster Management through open source software called CAMEO, MARPLOT and ALOHA. CAMEO means Computer Aided Management of Emergency Operations. This is computer software used for emergency planning, emergency response and managing chemical inventory at the concerned facility. This software stores all necessary information about chemical industries in a district, their location, category and quantity of stored chemicals, on-site emergency plans, safe routes for evacuation, details of safety officers and nodal people working in different factories, etc. Whereas MARPLOT locates the site where the emergency has arisen, ALOHA estimates the distance and direction of chemical dispersion and its concentration within this area.

5.2.4 National Cyclone Risk Mitigation Project

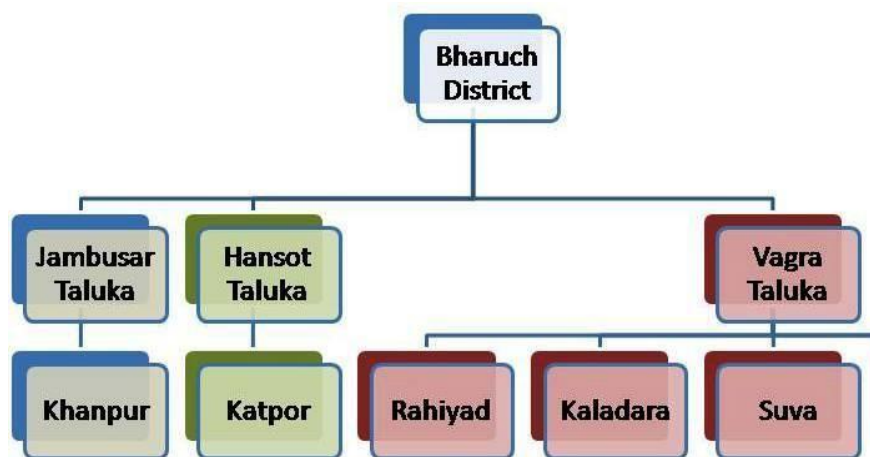
The National Cyclone Risk Mitigation Project seeks to minimize vulnerability in the cyclone hazard prone states and Union Territories of India and make people and infrastructure disaster resilient, in harmony with conservation of coastal ecosystems.

Gujarat being prone to cyclones, it is the top most priority of the State Government to reduce the effect of cyclone and minimize the loss of properties and lives in the coastal regions of the State through creation of suitable infrastructure. Gujarat has been included in the NCRMP initiated by the National Disaster Management Authority and funded by the



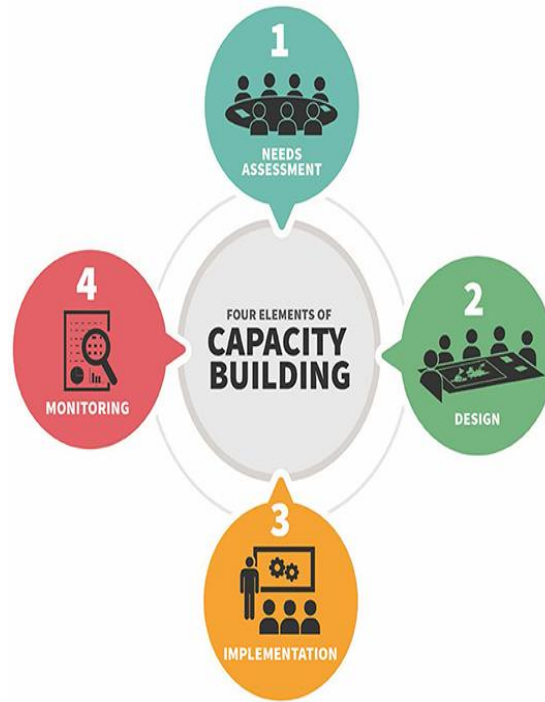
Chapter 5 Preparedness Measures

- **Two important components**
 - Construction of Multi Purpose Cyclone Shelters (MPCS)
 - Construction and repair of missing roads will be implemented as part of NCRMP.



In Bharuch District total 5 villages Identified for Cyclone Shelter :

Sr.No.	District	Taluka	Village	Capacity	Status
1.	Bharuch	Hansot	Katpor	700-800	Completed
2.	Bharuch	Vagra	Rahiyad	700-800	Completed
3.	Bharuch	Vagra	Suva	700-800	Completed
4.	Bharuch	Vagra	Kaladara	700-800	Completed
5.	Bharuch	Jambusar	Khanpor Deh	700-800	Completed



Chapter 6

Capacity Building And Training Measures

CAPACITY BUILDING



Chapter 6

Capacity Building and Training Measures

Capacity building and training measures are crucial for strengthening disaster management systems and enhancing resilience. These measures involve creating awareness about disaster risks and preparedness through community-based initiatives, public education, and awareness campaigns. Institutional capacity building focuses on developing policies, frameworks, and coordination mechanisms while training government officials, emergency responders, and volunteers in disaster risk reduction, response, and recovery. Practical simulations, drills, and certification programs further enhance preparedness. Partnerships with NGOs, private sectors, and international organizations play a vital role in broadening expertise and resources. The integration of technology, such as e-learning, GIS, and emerging tools like drones and AI, ensures innovative and effective risk management. Continuous monitoring, feedback mechanisms, and periodic updates to training programs address evolving challenges and improve overall readiness. By empowering individuals, communities, and institutions, these measures build a culture of safety, mitigate risks, and enable effective disaster response and recovery.

6.1 Approach

The approach to capacity building and training measures in disaster management encompasses a comprehensive and systematic strategy aimed at enhancing the preparedness, response, and recovery capabilities of individuals, organizations, and communities. This approach typically involves the following key elements:

- i. **Needs assessment:** Conducting thorough needs assessments to identify gaps, vulnerabilities, and areas for improvement in disaster management capacity. This involves analyzing the specific risks and hazards faced by the community, as well as evaluating existing resources, infrastructure, and response mechanisms.
- ii. **Stakeholder engagement:** Engaging a wide range of stakeholders, including government agencies, non-governmental organizations, community groups, academia, and the private sector, in the capacity-building process. Collaborative partnerships enable the sharing of resources, expertise, and best practices, as well as foster coordination and cooperation among different actors.
- iii. **Training and education:** Developing and delivering targeted training programs, workshops, and educational initiatives to build knowledge, skills, and competencies related to disaster preparedness, response, and recovery. Training may cover topics such as emergency planning, risk assessment, first aid, search and rescue techniques, and crisis communication.

- iv. **Simulation exercises:** Conducting realistic simulation exercises, drills, and tabletop exercises to simulate emergency scenarios and test response plans, procedures, and coordination mechanisms. These exercises provide opportunities for practical hands-on learning, as well as identify strengths, weaknesses, and areas for improvement in disaster response capabilities.
- v. **Capacity development initiatives:** Implementing capacity development initiatives aimed at strengthening institutional capacity, improving infrastructure, and enhancing coordination mechanisms for disaster management. This may include investments in technology, equipment, logistics, and communication systems, as well as the establishment of emergency response teams and specialized units.
- vi. **Knowledge sharing and learning:** Promoting a culture of continuous learning and knowledge sharing within the disaster management community. This involves documenting lessons learned, best practices, and case studies from past disasters, as well as disseminating this information through workshops, seminars, conferences, and online platforms.
- vii. **Monitoring and evaluation:** Regularly monitoring and evaluating the effectiveness of capacity-building and training measures in achieving desired outcomes and objectives. This involves collecting feedback, conducting assessments, and adjusting strategies as needed to improve performance and enhance resilience over time.

By adopting a holistic approach to capacity building and training measures in disaster management, communities can strengthen their ability to prepare for, respond to, and recover from disasters, ultimately saving lives and reducing the impact of emergencies on livelihoods and infrastructure.

Primary focus of disaster management capacity building in the State should be on strengthening and enhancing the capabilities of Disaster Management Institutions, including the Gujarat State Disaster Management Authority (GSDMA) and District Disaster Management Authorities (DDMAs). Customized training modules, tailored to meet the specific needs of each state and district, should be developed and implemented in collaboration with national bodies such as the National Institute of Disaster Management (NIDM) and the National Disaster Management Authority (NDMA). Adequate attention must also be given to addressing capacity building requirements across all levels of the institutional hierarchy and within society as a whole.

Furthermore, training and capacity building programs should be seamlessly integrated with monitoring and evaluation systems to facilitate ongoing assessment and refinement. This ensures that programs remain responsive to evolving needs and are continuously improved for enhanced effectiveness.

Capability Building is skill development. Skill development is either in relation to self or other than the self. For example, swimming is a skill in relation to the self, whereas, the skill to operate a fire extinguisher is a skill in relation to the fire extinguisher.

6.2 Capability Building: At the Community Level:

Community-level capacity building primarily relies on self-directed initiatives, such as acquiring skills in swimming, securely thatching roofs, safely extricating injured individuals from debris, and rescuing drowning victims. These self-orientated efforts empower community members to take proactive measures for disaster preparedness and response, enhancing overall resilience and safety within the community.

6.3 Capability Building: At the Ground Level Institutions:

Capacity building at the grassroots level institutions necessitates a dual focus on personal skill development and the utilization of straightforward technological tools. This includes training individuals in the operation of motorized boats, debris removal techniques, fire extinguisher handling, first aid administration, snake/dog bite treatment, driving two-wheelers and four-wheelers, setting up tents, operating communication equipment, and conducting repair and maintenance tasks. These institutions serve as the primary interface with the first responders - the communities.

- ❖ Village level Citizen Committees
- ❖ Village and Mandal
- ❖ Local CBO, & NGOs
- ❖ Urban Local Bodies

For this category of institutions, the capacity development programme and activities have to deal with:

- ❖ Comprehensive understanding of hazard wise disaster caused
- ❖ Hazard wise impact of disaster on people, livestock, property structures, agriculture, infrastructure etc.
- ❖ Segment of impact wise operation to provide help and support with rescue, relief and shelter.
- ❖ Keeping people alert and prepared on a periodic basis for the eventualities, that is, organizing drills and rehearsals.

The programme and activities have to be in training and skill development mode coupled with practical and demonstrative exercises supported by IEC materials. As these institutions are also slated to play important roles in disaster mitigation and disaster preparedness exercises, their capacity has also to be built in:

- i. Disaster wise mitigation measures and their repair and maintenance
- ii. Disaster wise preparedness measures and their applications within the institutions as well as at the community level.

6.4 Institutional Capacity Building

The District Administration, with support from the DDMA, is tasked with developing its own district-level Disaster Management Plan, focusing on mitigation, preparedness, and implementation strategies. This involves establishing upward linkages to the State and downward linkages to the communities. Key responsibilities for district officers

include:

- i. Organizing and supporting the District Disaster Management Authority (DDMA), defining its roles and responsibilities, and facilitating the creation of the District Disaster Management Plan. This entails engaging local bodies in plan preparation and implementation, in coordination with state and village authorities.
- ii. Establishing and operating Emergency Operation Centers at both district and panchayat levels, defining their functioning modalities and roles during various response phases (L0, L1, L2), in collaboration with state and village authorities.
- iii. Ensuring the maintenance of equipment, materials, and managing stores and manpower effectively. Structured training programs are essential to orient officers to these responsibilities, considering that disaster management remains a focal point for relief efforts involving states and villages.

Capacity development is the outcome of a series of inputs aimed at enhancing understanding of issues and prompting appropriate action in specific situations. This response is not rigid but dynamic, guided by intelligence and adaptable to changing circumstances. In the realm of disaster management, this modulation is essential for district-level institutions, government departments, agencies, stakeholders beyond state entities, and local communities.

6.5 Capacity Building: Other Stakeholders

Stakeholders in disaster management other than the state, from ground level upward, are the communities, PRIs, the local bodies, CBO, s & NGOs, the block level functionaries, the District administration, the corporate bodies. Of these the PRIs are the constitutional bodies and have well defined roles to play in disaster management.

Communities serve as both victims and first responders during disasters, making community preparedness a crucial measure of a state's disaster readiness. However, before focusing on community preparedness, the state and its institutions must ensure their own readiness. This includes establishing and operationalizing Gram Panchayat bhawans, District Disaster Management Authorities, District-level Emergency Operation Centers, and District Disaster Management Plans. Additionally, the State Disaster Management Authority, State Disaster Response Force, and State-level Emergency Operation Centers should be prepared to support community empowerment efforts. Here is the capacity building steps that need to be undertaken based on this understanding:

Hazards	Preparatory measures
General	Imparting knowledge and understanding about hazard wise typical effects of disaster
	Typical effect wise how they should prepare themselves to reduce risk and cope up with the same.
	How they have to prepare themselves to see through the emergencies.
	How they have to prepare themselves for SELF
Earthquake	Awareness about the typical effects of earthquake as a hazard knowledge about proneness of the area and residence one is living in
	Sharing of the knowledge with family members and preparedness measures: how and where to take refuge under table or in a nook or corner of the house, move away from glass windows, bookcase and unsecured heavy object.
	Know the location of main switch in the house
	Not to rush out of house if an open space is not there
	Get furnishings and household appliances properly fitted
	Keep a torch light , mobile phone and a first aid kit within reach
	Organize a team of young volunteers in rescue, debris removal, passage clearing operation as well as relief operations
Flood	Remaining alert for the early warning
	Packaging of dry food stuff for the family + a can of drinking water
	Ready to shift to higher places like embankment etc.
Drought	Keeping women and children mentally prepared for shifting
	Remaining in contact with the local volunteers for help
	Developing a culture of water harvesting and storage in the drought prone areas
	Promoting social forestry in the area
	Protecting and channelizing the source of water like streams, river in the locality.
	Economizing water consumption.
High Velocity Wind	Selection of crops suitable for drip irrigation.
	Arrangements for alternative source of drinking water.
	To keep the roof of their hutments firmly tied.
	To remain alert for warning.
	To orient their family members about high speed wind and what they are expected to do.
	Avoid keeping anything heavy or sharp on roofs of hutments.
	Identify an alternative and safe place to take refuge in case of emergencies.

Developing a Disaster Risk Management Plan (DDMP) without concurrently building capacity or raising awareness among stakeholders poses significant risks to the efficacy and sustainability of the plan. Stakeholders and communities play pivotal roles in ensuring the success and longevity of disaster management initiatives. Capacity building is essential as it enhances the skills, competencies, and capabilities of both government and non-government officials, as well as communities, empowering them to effectively respond to and recover from disasters. Moreover, it aids in the prevention of hazardous events from escalating into full-blown disasters.

During disaster management planning assessments, it is crucial to acknowledge and incorporate indigenous traditions, methods, and materials utilized for local disaster management practices. Local residents often serve as the primary emergency responders, especially in remote areas, and their involvement is paramount for achieving successful outcomes. By respecting and integrating local knowledge and practices, disaster management plans can effectively leverage community resources and resilience for more comprehensive and effective responses.

Building institutional capacity is crucial for effective disaster management. However, involving the local community in the planning process and solutions is equally essential, as it ensures that disaster mitigation measures are more likely to be implemented and sustained over time. The capacity building plan should be tailored to address the diverse needs of stakeholders, aligning with their specific functional responsibilities.

1. Institutional Capacity Building:

- Training for officials and policy makers involved in disaster management.
- Skill development programs for professionals such as engineers, architects, masons, doctors, nurses, teachers, and other relevant stakeholders.
- Specialized training sessions for state police, fire services, and the State Disaster Response Force to enhance their disaster response capabilities.

2. Community capacity building and Community Based Disaster Management

Community capacity building and Community-Based Disaster Management (CBDM) are integral components of effective disaster resilience strategies that empower local communities to prepare for, respond to, and recover from disasters. Community capacity building involves enhancing the knowledge, skills, resources, and social networks within a community to effectively address disaster risks and vulnerabilities. This may include:

1. Education and Training: Providing community members with training on disaster preparedness, response techniques, and first aid skills. This empowers individuals to take proactive measures to protect themselves, their families, and their neighbors during emergencies.

2. Community Organization: Facilitating the establishment of community-based organizations, such as disaster response teams, neighborhood watch groups, or community emergency committees. These organizations play a vital role in coordinating response efforts, disseminating information, and mobilizing resources during disasters.

3. Infrastructure Development: Supporting the development of resilient infrastructure and basic services, such as early warning systems, evacuation routes, emergency shelters, and safe water and sanitation facilities. This helps communities mitigate the impact of disasters and enhances their ability to recover quickly.

4. Risk Assessment and Planning: Conducting participatory risk assessments to identify local hazards, vulnerabilities, and capacities. Based on these assessments, communities can develop customized disaster risk reduction plans that prioritize local needs and resources.

Community-Based Disaster Management (CBDM) emphasizes the active involvement of communities in all stages of disaster management, from preparedness to recovery. Key principles of CBDM include:

1. Local Ownership and Leadership: Empowering communities to lead and manage their own disaster preparedness and response efforts. Local knowledge and expertise are valued and incorporated into decision-making processes.

2. Participatory Approach: Engaging community members in decision-making, planning, and implementation of disaster risk reduction activities. This fosters a sense of ownership, responsibility, and resilience within the community.

3. Coordination and Collaboration: Facilitating collaboration and partnerships among community members, local authorities, government agencies, non-governmental organizations, and other stakeholders. This promotes effective coordination of resources and efforts, maximizing the impact of disaster management initiatives.

4. Communication and Information Sharing: Establishing effective communication channels and mechanisms for sharing information, early warnings, and updates with community members. Transparent and timely communication builds trust, reduces uncertainty, and enables swift action during emergencies.

By investing in community capacity building and adopting a CBDM approach, communities can strengthen their resilience, reduce vulnerabilities, and enhance their ability to withstand and recover from disasters. This grassroots approach empowers communities to become active agents of change in building a safer and more resilient future. Institutional capacity building is essential for enhancing the effectiveness and efficiency of disaster management efforts at various levels. Here's how capacity building can be approached for different stakeholders:

Officials / Policy Makers:

Training programs should be designed to familiarize officials and policy makers with disaster management principles, frameworks, and best practices. This includes understanding the legal and regulatory frameworks, roles and responsibilities, and decision-making processes in disaster management. Workshops, seminars, and specialized courses can help officials develop the knowledge and skills necessary to formulate effective policies, allocate resources, and coordinate response efforts during emergencies.

Engineers, Architects, Masons, Doctors, Nurses, Teachers, and other Professionals:

Capacity building initiatives for professionals should focus on integrating disaster risk reduction principles into their respective fields of expertise. For engineers, architects, and masons, training may include techniques for designing and constructing disaster-resilient infrastructure and buildings. Healthcare professionals can receive training on disaster medicine, triage, and emergency response protocols. Teachers and educators can be trained to incorporate disaster preparedness and risk reduction education into school curricula. Tailored training programs and workshops can equip professionals with the specialized knowledge and skills needed to contribute effectively to disaster management efforts.

Police, Fire Services, State Disaster Response Forces (SDRF):

Training programs for emergency responders should emphasize practical skills, teamwork, and coordination in disaster response scenarios. Police and fire services personnel can receive training on search and rescue techniques, crowd management, and incident command systems. SDRF members can undergo specialized training in disaster response operations, including swift water rescue, urban search and rescue, and medical triage. Practical exercises, simulations, and field training can help emergency responders develop the confidence and competence needed to handle complex emergency situations.

Community Capacity Building:

Community capacity building initiatives should aim to empower individuals and communities to become active participants in disaster preparedness, response, and recovery efforts. This includes providing training on first aid, basic firefighting, search and rescue techniques, and evacuation procedures to community members. Community-based organizations and volunteers can receive training on leadership, communication, and coordination to effectively mobilize resources and support response efforts at the local level. Community drills, awareness campaigns, and participatory risk assessments can also help build resilience and foster a culture of preparedness within communities.

Civil Defence/Volunteers:

Training programs for civil defense volunteers should cover a range of topics, including emergency response procedures, disaster communication, and community engagement. Volunteers can receive training on their specific roles and responsibilities within the civil defense framework, such as shelter management, first aid administration, or logistics support. Hands-on training exercises, drills, and simulations can help volunteers develop practical skills and confidence in their ability to support emergency response efforts.

Overall, institutional and community capacity building initiatives are essential for strengthening disaster management capabilities and building resilience at all levels of society. By investing in training and skill development for key stakeholders, governments, organizations, and communities can enhance their preparedness and response capacity, ultimately reducing the impact of disasters and saving lives.

6.7 Disaster Management Education

Disaster management education is vital for preparing future generations to understand and respond to emergencies effectively. Here's how it can be integrated into schools and colleges:

Schools:

Disaster management education can be incorporated into school curricula at various levels. At the primary level, basic concepts of safety, emergency preparedness, and response can be introduced through age-appropriate activities, stories, and games. As students progress to higher grades, they can learn about different types of disasters, their causes, and how to stay safe during emergencies. Schools can also conduct regular drills and exercises to familiarize students with evacuation procedures and emergency protocols. Additionally, schools can partner with local emergency services and community organizations to provide hands-on learning opportunities and engage students in community-based disaster preparedness initiatives.

6.8 Colleges (Medical, Engineering, etc.):

In colleges, disaster management education can be integrated into relevant academic programs to equip students with specialized knowledge and skills related to their field of study. For example, medical colleges can offer courses on disaster medicine, trauma care, and public health emergency preparedness. Engineering colleges can incorporate modules on structural engineering, retrofitting techniques, and disaster-resistant design principles into their civil engineering programs. Similarly, colleges of architecture can integrate disaster-resilient design concepts and sustainable building practices into their curriculum. Additionally, interdisciplinary approaches can be encouraged, where students from different disciplines collaborate on projects and research related to disaster risk reduction and

management. Colleges can also provide opportunities for students to gain practical experience through internships, fieldwork, and participation in disaster response exercises and simulations.

Overall, integrating disaster management education into schools and colleges helps raise awareness, build resilience, and foster a culture of preparedness among students. By equipping future professionals with the knowledge and skills needed to respond effectively to disasters, educational institutions play a crucial role in building safer and more resilient communities.

Skill up gradation and follow up training programmes

Skill upgrading and follow-up training programs are essential components of continuous improvement in disaster management. These initiatives aim to enhance the knowledge, skills, and abilities of disaster management professionals and stakeholders over time. Here's how skill upgrading and follow-up training programs can be structured:

1. Identifying Training Needs: Conduct assessments and evaluations to identify gaps in knowledge and skills among disaster management personnel. This could include surveys, interviews, performance evaluations, and feedback from stakeholders.

2. Designing Tailored Training Programs: Develop training programs that address specific needs and areas for improvement identified during the assessment phase. Training programs may cover a wide range of topics, including disaster preparedness, response techniques, risk assessment, communication strategies, leadership skills, and coordination mechanisms.

3. Hands-on Training and Simulation Exercises: Provide opportunities for practical, hands-on learning through simulation exercises, tabletop drills, and field training. These exercises simulate real-life emergency scenarios and allow participants to apply their knowledge and skills in a controlled environment. Feedback and debriefing sessions should follow each exercise to identify lessons learned and areas for improvement.

4. Follow-Up and Refresher Training: Offer follow-up and refresher training sessions to reinforce learning and update participants on new developments in disaster management. These sessions may be conducted periodically to ensure that participants remain up-to-date with the latest protocols, technologies, and best practices.

5. Integration of Technology: Incorporate technology-enabled learning methods, such as e-learning platforms, webinars, and virtual reality simulations, to enhance accessibility and flexibility in training delivery. Technology can also be used to facilitate remote learning and collaboration among participants across different locations.

6. Monitoring and Evaluation: Monitor the effectiveness of training programs through participant feedback, performance assessments, and evaluation surveys. Use this feedback to refine training content, methods, and delivery approaches to better meet the needs of participants.

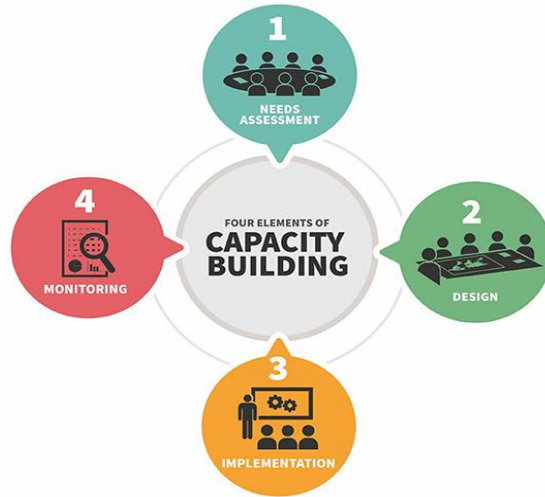
7. Certification and Recognition: Provide participants with certification or recognition upon successful completion of training programs. This serves as an incentive for continued learning and professional development, as well as a way to demonstrate competency and expertise in disaster management.

By implementing skill upgrading and follow-up training programs, disaster management agencies can ensure that their personnel remain well-equipped, competent, and prepared to effectively respond to disasters and protect their communities.

Training in Disaster Management

Sr. No.	State Level / District Level	Name of the Course	Participants
1.	District & State	Orientation course for first responders to disasters	Home Guards, Civil Defence volunteers, Forest Protection Force, Police
2.	State	Joint staff course in Disaster Response for middle-level officers	District Magistrate, Additional District Magistrates, Sub-Divisional Magistrates, Superintendents of Police, Additional Superintendents of Police, Deputy Superintendents of Police
3.	State	Basic training for Para-medics and medical personnel of NDRF battalions and states	Medical officers and para-medics nominated by various state governments
4.	State	Search & Rescue and Safe Evacuation	Civil Defence volunteers, SDRF, Forest Protection Force, Fire & Emergency Services, Home Guards, NSS, NYKS, NCC
5.	State	Training of Trainers on Incident Response System (IRS)	4 key and resourceful officers
6.	State	Training on Incident Response System	Selected personnel of Response Staff and General Staff of IRS to train people identified for various roles in pre-disaster period
7.	State	Training of Trainers (TOT) on Earthquake Resistant Technology for Masons	Masons
8.	District	Hospital Preparedness & Mass Casualty Management including Hospital Management Plan	Doctors and Hospital Administrators
9.	District	Mass casualty management	Paramedics / Response Force (Police, Fire & Emergency Services, Civil Defence)
10.	District	Role of PRIs / ULBs in Disaster Management	PRIs and ULBs
11.	District	Training of teachers on School safety including School DM Plans and conduct of mock drills	Teachers
12.	District	Training for Village Defence Party's	Village volunteers
13.	State	TOT - Earthquake Resistant Technology for Engineers	Engineers, Trainers from technical institutes, colleges, etc.
14.	State	TOT - Rapid Visual Screening for Masonry Buildings	Junior Engineers
15.	State	TOT - Role of PRIs / ULBs in Disaster Management	PRIs and ULBs
16.	State	State Disaster Resource Network (SDRN)	SDO (Civil), Revenue Circle Officers

17.	State	Application of GIS Mapping of Utilities	ADC, DPOs, Line Departments
18.	State	Damage and Needs Assessment	ADC or DPO, District Disaster Management Authority; CMO, Health Department; District Food & Civil Supply Officer, Project Director, DRDA; Exec. Engineer or Assistant Exec. Engineer, Public Health Engineering, Exec. Engineer, Public Works – Building & Roads, Town Committee and S.P. or A.S.P. or D.S.P.
19.	District	Shelter and Camp Management	District Food & Civil Supplies Officer; ADC or DPO, District Disaster Management Authority
20.	District	Collapsed Structure Search and Rescue and Medical First Response	Civil Defence volunteers, Forest Protection Force, Fire & Emergency Services, Home Guards, SDRF
21.	District	Public Health in Emergencies (Safe drinking water and sanitation, Alternative water resources identification during emergency conditions, Supply management).	Public Health Engineering



Chapter 7

Response and Relief Measures



Chapter 7

Response And Relief Measures

Response planning provides rapid and disciplined incident assessment to ensure a quickly scalable, adaptable and flexible response. It incorporates National and State response doctrine, which defines basic roles and responsibilities for incident response across all levels of government and the private sector.

Before taking up response activities, the DM (RO/IC as per IRS) will hold a meeting to take stock of the situation, availability and mobilization of resources for listing out the various tasks and to provide proper briefing to the responders. The Incident Action Plan will be drawn and put into action based on the situation assessment. The DM / RO will nominate Operation Section Commander (OSC) based on —incident type and rest will follow as per IRS/IRT and other procedural guidelines issued by the state.

Response planning is a critical component of disaster management, ensuring a rapid, disciplined, and well-coordinated incident assessment that facilitates a scalable, adaptable, and flexible response. It integrates National and State response doctrines, which outline the fundamental roles and responsibilities of government agencies, private sector entities, and emergency responders across all levels. This structured approach enhances coordination and maximizes the efficiency of response efforts in any emergency or disaster situation.

Before initiating response activities, the District Magistrate (DM), who acts as the Responsible Officer (RO) or Incident Commander (IC) under the Incident Response System (IRS), will immediately convene a high-level meeting with all key stakeholders. This meeting serves to take stock of the current situation, assess the scale and severity of the disaster, review the availability of resources, and determine immediate mobilization requirements. The agenda also includes identifying priority tasks, ensuring inter-agency coordination, and issuing clear instructions to response teams. Proper briefing to all responders is crucial at this stage to ensure that actions are aligned and well-executed.

Following the situation assessment, an Incident Action Plan (IAP) will be formulated and put into action based on real-time data and ground reports. This plan will outline specific response objectives, strategies, operational priorities, resource allocation, and timelines for execution. The IAP ensures that all actions are structured, goal-oriented, and adaptable to the evolving situation.

As part of the response structure, the DM/RO will nominate an Operations Section Commander (OSC) based on the nature and type of the incident. The OSC will be responsible for coordinating field operations, ensuring effective deployment of response teams, and executing the directives outlined in the IAP. The remaining response activities will be carried out in accordance with the Incident Response System (IRS) and Incident Response Team (IRT) protocols, along with additional procedural guidelines issued by the State Disaster Management Authority (SDMA).

This well-defined and hierarchical response mechanism ensures a swift and organized disaster response, minimizing casualties, reducing damage, and facilitating a smoother transition to recovery and rehabilitation. By adhering to structured response planning, authorities can enhance decision-making, inter-agency coordination, and resource optimization, ultimately strengthening disaster resilience and response effectiveness.

Disaster response measures involve immediate and coordinated actions to save lives, minimize suffering, and protect property in the aftermath of a disaster. The first priority is search, rescue, and evacuation, where trained teams such as NDRF, SDRF, and local responders work to locate and assist trapped individuals while ensuring the safe relocation of affected populations to designated shelters. Emergency medical and health services are crucial, providing first aid, trauma care, and mobile medical units to prevent disease outbreaks and address urgent health needs. Relief distribution follows, ensuring that food, clean water, clothing, and essential supplies reach vulnerable communities efficiently. Restoring critical infrastructure such as electricity, water supply, roads, and communication networks is vital for stabilizing the situation and enabling further relief efforts. Security and law enforcement agencies maintain order, prevent exploitation, and manage crowd control in relief camps. Effective disaster response relies on strong coordination and communication, facilitated by an Emergency Operations Center (EOC) that oversees inter-agency collaboration and public information dissemination. Psychosocial support, including trauma counseling and community engagement, helps affected individuals cope with stress and loss. Simultaneously, rapid needs assessments (RNA) and damage evaluations guide resource allocation and long-term recovery planning. Logistics teams ensure the efficient transportation and distribution of aid, maintaining emergency supply chains to meet immediate demands. The media plays a crucial role in keeping the public informed, countering misinformation, and promoting community-led response initiatives. A well-executed response strategy minimizes disaster impact, accelerates recovery, and builds resilience for future emergencies.

7.1 Quick assessment of damages and need

A quick assessment of damages and needs in disaster response and relief measures is essential for efficient emergency management. This assessment helps prioritize actions, allocate resources and minimize further risks. It involves evaluating human casualties, infrastructure damage, essential services, and immediate relief requirements. The first step is identifying the number of affected people, including fatalities, injuries, and missing persons, ensuring rapid medical response and trauma care. Infrastructure damage is assessed by inspecting roads, bridges, power lines, water supply systems, hospitals, and schools to determine urgent repair needs. Shelter and housing evaluations help identify displaced populations requiring temporary shelters with adequate food, water, sanitation, and security. Health and medical needs are assessed to ensure sufficient supplies, functional healthcare facilities, and measures to prevent disease outbreaks. Food and nutrition requirements are determined by evaluating food availability, market disruptions, and the need for emergency distribution, especially for vulnerable groups. Water, sanitation, and hygiene (WASH) assessments focus on restoring access to clean drinking water and functional sanitation to prevent health crises. Economic impacts, such as damage to businesses, agricultural fields, and livelihoods, are analyzed to plan financial aid and recovery strategies. Communication and coordination systems are reviewed to ensure emergency response teams, government agencies, and humanitarian organizations collaborate effectively. Logistics assessments determine the availability of transportation, emergency supplies, and rescue equipment to facilitate rapid aid distribution. Additionally, the need for psychosocial support, including trauma counselling and social rehabilitation, is assessed to support affected communities. A well-structured Rapid Needs Assessment (RNA) within the first 24-72 hours is crucial for guiding immediate response actions, ensuring efficient relief distribution, and setting the foundation for long-term recovery efforts.

Response Flow Chart in Disaster Management.

The **Revenue Department of the State** plays a **pivotal role as the Nodal Department** responsible for overseeing, supervising, and guiding the implementation of **rescue, relief, and rehabilitation measures** in the event of a disaster. It acts as the central coordinating authority, ensuring the **efficient and synchronized response of multiple line departments**, which are mandated to participate actively in all facets of disaster response management. This structured and multi-agency approach fosters **effective collaboration and resource optimization**, ensuring a **cohesive and integrated** response strategy.

To enable **swift and efficient disaster response**, the **State Emergency Operations Center (EOC), Emergency Response Centers (ERCs), and other control rooms** at the state and district levels are **fully activated** as soon as a disaster occurs. These centers serve as **command hubs**, facilitating **real-time information exchange, resource mobilization, inter-agency coordination, and strategic decision-making**. Their activation ensures that **rescue, relief, and logistical operations** are well-coordinated and all available resources—such as emergency personnel, medical aid, and relief supplies are optimally deployed to affected areas.

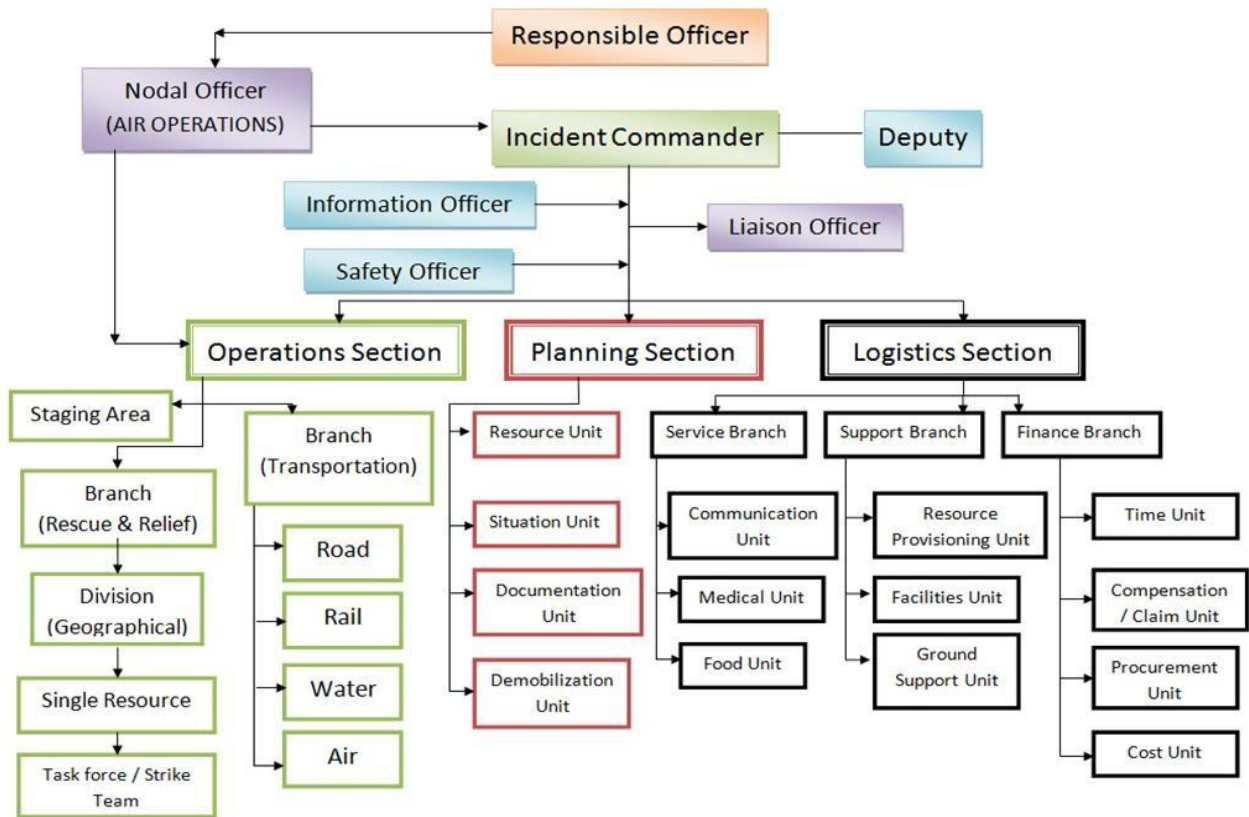
The **State Government also holds the authority to formally declare an area as disaster-affected** through an **official notification published in the gazette** under the provisions of the **Gujarat State Disaster Management Authority (GSDMA) Act (Section 32(2)(a))**. This legal framework triggers the **necessary mechanisms for disaster response**, including emergency funding, specialized relief measures, and long-term rehabilitation programs. It also empowers the government to **engage national and international aid organizations, NGOs, and private sector stakeholders** for enhanced disaster response and recovery efforts.

The disaster response structure is **tiered**, with clearly **defined roles and responsibilities** across different levels of governance:

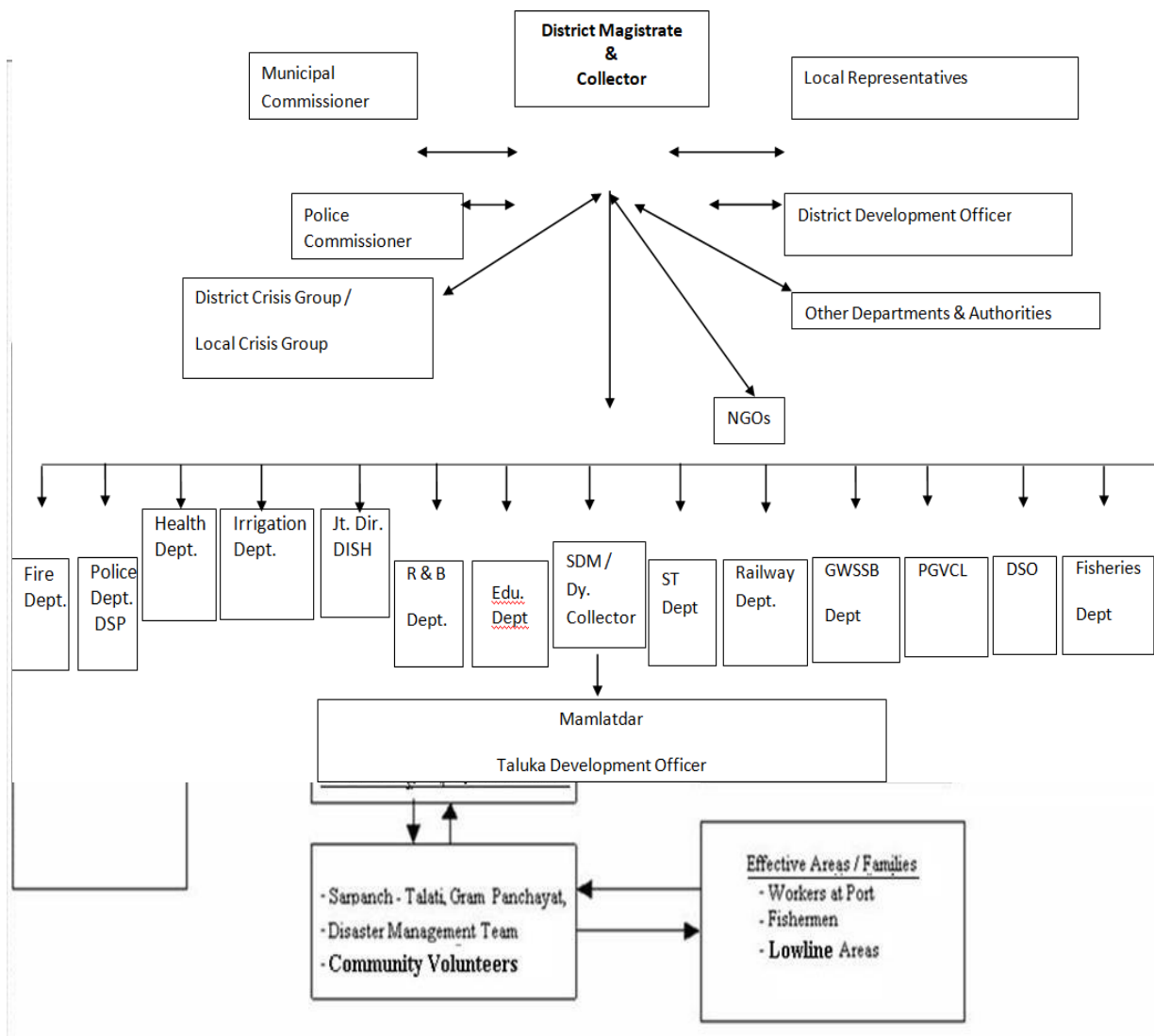
1. **State Level** – The **Revenue Department**, in coordination with **GSDMA and the State EOC**, oversees the disaster response strategy, mobilizes resources, and ensures high-level decision making.
2. **District Level** – The **District Collector**, as the **Responsible Officer (RO)**, implements state directives, coordinates with local agencies, and directs immediate response operations.
3. **Taluka and Village Level** – Local authorities, **Gram Panchayats, and urban municipal bodies** work closely with first responders, volunteers, and local communities to ensure last-mile delivery of relief and rescue operations.

This structured **Response Flow Chart** ensures that the disaster response mechanism is **proactive, well-coordinated, and effective**, thereby **minimizing human casualties, reducing infrastructure damage, and accelerating the recovery process**. By institutionalizing **roles, responsibilities, and protocols**, the state strengthens its resilience against disasters, safeguarding **lives, livelihoods, and critical infrastructure**.

Flow chart of District Administrative Setup

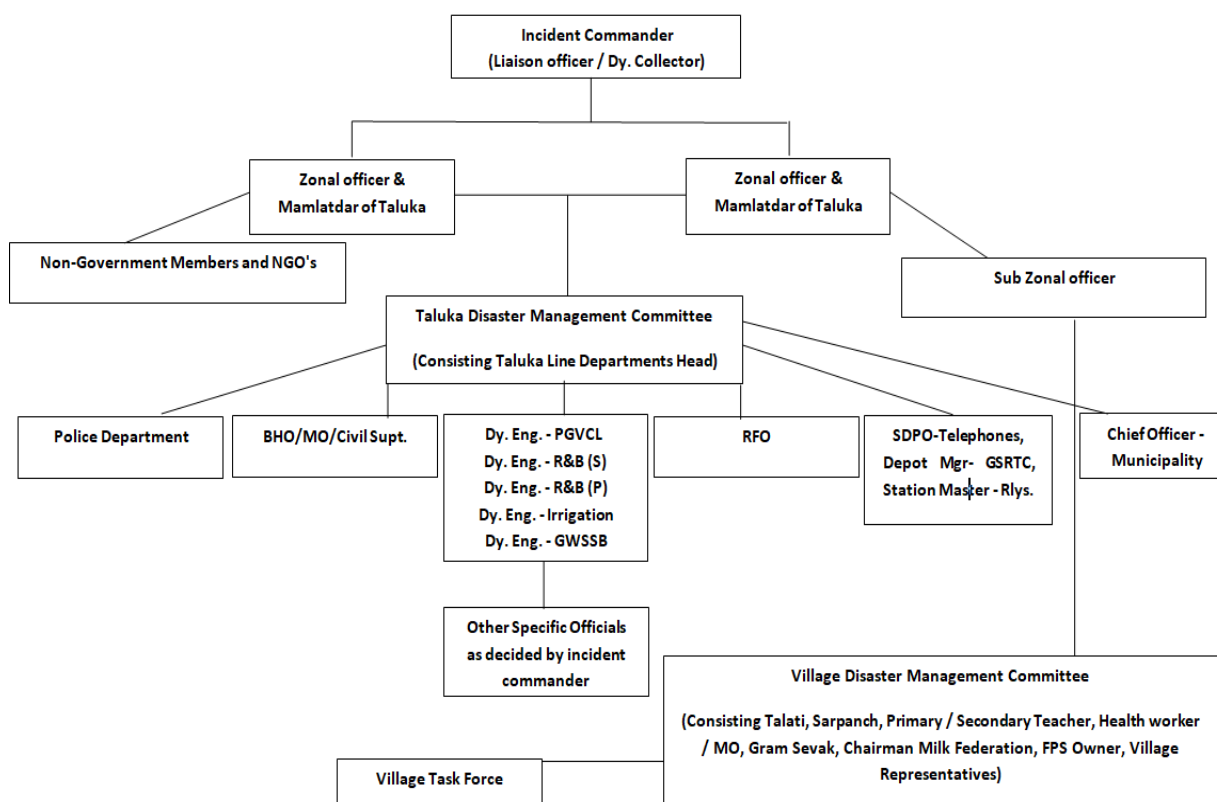


7.2 Flow chart District Administrative Setup



Linkages of District with State and National level

7.3 Taluka Level Structure

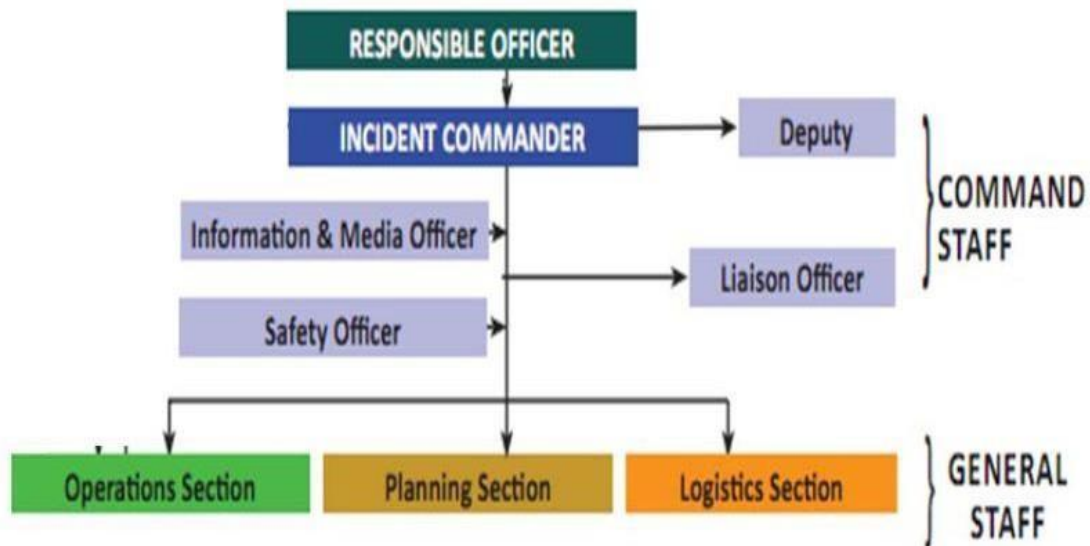


7.4 Incident Response System

As per NDMA's IRS guidelines, IRT at District, Sub-Division, Tehsil and Block level should be constituted under the written directives of District Magistrate (DM). These teams will include experienced officers / employees at all levels and respond to all natural and man-made disasters. The lowest administrative unit (Sub-Division, Tehsil or Block) will be the first responder as the case may be. IRT at all levels will have same structure, i.e. IC supported with Operations, Planning and Logistics Sections. The IRTs are to be pre-designated at all levels.

- **IRS Organizational Structure: IRT Framework**

In general, the selection of Section Chiefs is made according to the suitability and capability of the officer. The selection of the Operations Section Chief, however, depends on the nature of the disaster. In case of flood and earthquakes reaching the affected area, rescuing the affected people and providing relief to them is the main task of the responders. People have to leave their home in a hurry and they are not able to take away their valuables. These abandoned houses become vulnerable. The relief materials while being transported also become prone to loot. In such cases, Police and the Armed Forces are the best suited to handle and lead the operations. In case of fire, it will be the District Fire Officer who will be appropriate officer to handle the situation. In case of health related disaster, it would be the District Chief Medical Officer and so on.



A. Major Responsibilities and Duties INCIDENT

COMMAND

The Incident Command's responsibility is the overall management of the incident. It is comprised of following positions:

Incident Commander

The Incident Commander has a wide variety of responsibilities.

- Assess the situation and/or obtain a briefing from the prior Incident Commander.
- Determine incident objectives and strategy.
- Establish the immediate priorities.
- Establish an Incident Command Post.
- Establish an appropriate organization.
- Ensure planning meetings are scheduled as required.
- Approve and authorize the implementation of an Incident Action Plan.
- Ensure that adequate safety measures are in place.
- Coordinate activity for all Command and General Staff.
- Coordinate with key people and officials.
- Approve requests for additional resources or for the release of resources.

- Keep agency administrator informed of incident status.
- Approve the use of students, volunteers, and auxiliary personnel.
- Authorize release of information to the news media.
- Order the demobilization of the incident when appropriate.

Information and Media Officer

The Information and Media Officer is responsible for developing and releasing information about the incident to the news media, to incident personnel, and to other appropriate agencies and organizations. Reasons for the Incident Commander to designate an Information and Media Officer:

- An obvious high visibility or sensitive incident.
- Reduces the risk of multiple sources releasing information.
- Need to alert, warn or instruct the public.
- Media demands for information may obstruct IC effectiveness.
- Media capabilities to acquire their own information are increasing.

Liaison Officer

The Liaison Officer is the point of contact to assist the first responders, cooperating agencies and line departments. It may be designated depending on the number of agencies involved and the spread of affected area. Reasons to establish the Liaison Officer position at an incident:

- When several agencies send, or plan to send, Agency Representatives to an incident in support of their resources.
- When the IC can no longer provide the time for individual coordination with each Agency Representative.
- When it appears that two or more jurisdictions may become involved in the incident and the incident will require on-site liaison.

Safety Officer

The Safety Officer's function is to develop and recommend measures for ensuring safety of responders and to assess or anticipate hazardous and unsafe situations and review it regularly. The Safety Officer will correct unsafe situations by working through the chain of command, however, the Safety Officer may exercise emergency authority to directly stop unsafe acts if personnel are in imminent life-threatening danger.

General Staff

Each one has a vital role for efficient response; however, depending upon the nature and requirements of the incident, they may be or not be activated. Each of these functional areas can also be expanded as needed into additional organizational units with further delegation of authority.

Operations Section

The Operations Section deals with all types of field level tactical operations directly applicable to the management of an incident. This section is headed by an Operation Section Chief (OSC). In addition, a deputy may be appointed to assist the OSC for discharging his functions depending on the magnitude of the work load. Operations Section is further sub- divided into Branches, Divisions and Groups which assist the OSC/IC in the execution of the field operations.

Planning Section

The Planning Section deals with all matters relating to the planning of the incident response. Headed by the Planning Section Chief, this section helps the Incident Commander in determining the objectives and strategies for the response. It works out the requirements for resources, maintains up-to-date information about the ongoing response and prepares IAP. For the closing phase of the operations, the Planning Section also prepares the Incident Demobilization Plan.

Logistics Section

The Logistics Section deals with matters relating to procurement of resources and establishment of facilities for the incident response. This section is headed by the Logistics Section Chief and is an important component of the IRS organization for providing back end services and other important logistic support like communications, food, medical supplies, shelter and other facilities to the affected communities and responders as well. There is a Finance Branch attached to this Section in order to ensure that the procurements, if any, may be done quickly and in accordance with the financial rules.

7.5 Activation of IRS in the District

Before taking up response activities, the DM (RO/IC as per IRS) will hold a briefing meeting and take stock of the situation, availability and mobilization of resources for listing out the various tasks and to provide proper briefing to the responders. The IAP will be drawn and put into action based on the situation assessment. The DM/RO will nominate Operations Section Chief (OSC) based on —incident type and rest will follow as per IRS/IRT and other procedural guidelines.

On activation of IRS, all line departments/organizations/individuals shall follow the directions of the Incident Commander as condition demands. He can divert all mechanisms and resources in the district to fight against a scenario leading to disaster/calamity in the district. All Section Chiefs (Operations, Planning and Logistics) are vested with commanding authority and logistic assistance to deliver the concerned responsibility.

❖ Incident Action Plan

It is important that activities indicated in the IAP are connected with the functional responsibility defined in IRT and also according to other descriptions as per DDMP. For instance, proper links shall be established between IRT and Emergency Support Functions (ESF) for IAP effectiveness. Three basic elements of IAP are: Task /Function /Activity, Department/Officer Responsible, and Time. Besides that, common forms used for performing IRS and IAP as given in IRS National Guidelines may be utilized.

7.6 Standard Operating Procedures

Standard Operating Procedures (SOPs) are a common method of implementing instructions. SOPs provide response protocols for carrying out specific responsibilities. They describe the —who, what, when and howl during a disaster, helping responders to perform complex tasks with high level of coordination. SOPs should be prepare and annexed to the DDMP for all relevant hazards of the district, such as earthquake, flood, cyclone, landslide, tsunami, man-made disasters, etc. It should be based on pre-defined IRTs and ESFs and communicated to every stakeholder in advance.

Sr. No.	Emergency OperationTaskforce	Functions
1.	Coordination and Planning	Coordinate early warning, Response & Recovery Operations
2.	Administration and Protocol	Support Disaster Operations by efficiently completing the paper work and other Administrative tasks needed to ensure effective and timely relief assistance
3.	Warning	Collection and dissemination of warnings of potentialdisasters
4.	Law and Order	Assure the execution of all laws and maintenance oforder in the area affected by the incident.
5.	Search and Rescue (including Evacuation)	Provide human and material resources needed to support local evacuation, search and rescue efforts.
6.	Public Works	Provide the personnel and resources needed to support local efforts to reestablish normally operating infrastructure.
7.	Water	Assure the provision of sufficient potable water for human and animal consumption (priority), and water for industrial and agricultural uses as appropriate.
8.	Food and Relief Supplies	Assure the provision of basic food and other relief needs in the affected communities.
9.	Power	Provide the resources to reestablish normal power supplies and systems in affected communities.
10.	Public Health and sanitation (including First aid and all medical care)	Provide personnel and resources to address pressing public health problems and re-establish normal health care systems.
11.	Animal Health and Welfare	Provision of health and other care to animals affectedby a disaster.
12.	Shelter	Provide materials and supplies to ensure temporary shelter for disaster-affected populations
13.	Logistics	Provide Air, water and Land transport for evacuation and for the storage and delivery of relief supplies in coordination with other task forces and competent authorities.

14.	Survey (DamageAssessment)	Collect and analyses data on the impact of disaster, develop estimates of resource needs and relief plans, and compile reports on the disaster as required for District and State authorities and other parties as appropriate.
15.	Telecommunications	Coordinate and assure operation of all communication systems (e.g.; Radio, TV, Telephones, Wireless) required to support early warning or post disaster operations.
16.	Media (Public Information)	Provide liaison with and assistance to print and electronic media on early warning and post-disaster reporting concerning the disaster.

The specific response roles and responsibilities of the taskforces indicated above is that these roles and responsibilities will be executed and coordinated through the IRS/GS system. Task Force, Leader and supporting department details in response (INCIDENT RESPONSE SYSTEM)

The Composition of the Taskforces is given in the table below:

No.	Task Force	Task force Leader	Supporting members / Organizations/Departments	Section / Unit
1.	Planning and Coordination	Collector	DDO, DSP, RAC, and Mamlatdar – DM	Planning
2.	Administration & Protocol	Resident Additional Collector	DDO, DSP, SDM - City and Mamlatdar – City	Liaison
3	Damage Assessment/Survey	SDM - City	DIC, Dy. DDO, Ex. Engr., R&B, DAO, Fisheries	Logistics
4	Warning	Supt. Engr. -- For Floods & Cyclones Jt./Dy.Dir.-ISH - For Chemical DisasterCP / DSP - For Terrorist Attack	RAC, Factory Inspector, Mamlatdar - DM , Various Departmental Control Room, Member Secretary -OCR control room ,District Information Officer(DIO),Police Dept., Irrigation Dept.	Operation

5	Communications	Resident Additional Collector	Factory Inspector, Mamlatdar - DM ,	Logistics
			Various Departmental Control Room, OCR control room ,Dy. Mamlatdars, Mobile Operators, TV, Radio, Police, Forests	
6	Media	District Information Officer	Information Department, Print, Media, TV, Journalists, NGOs	Public Information
7	Logistics	DDO	RTO, DSO, Private & Public sector, Water supply board, Mamlatdar, Dist. Supply Mamlatdar	Logistics
8	Law & Order	CP - City DSP - District	DCP ,Dy. SP, SRP ,Home Guards Commandant, NGOs, Para-military and Armed Forces	Safety
9	Search & Rescue	Add. Collector& Dy. Controller-Civil Defense -	DCP , Dy. SP ,SFO , MAG members from OCR , Mamlatdar, TDO, Police, Executive Engr., RTO, State Transport, Health Dept., SRP, SDRF, NDRF , Army , Air Force.	Operation
10	Public Works	Supt. Engr. R&B (State /City) SE R&B (Panchayat) SE Irrigation	Ex. Engr - R&B (S/C/P) , Ex. Engr Irrigation (Circle/Panchayat), DFO ,NGOs, Water SupplyBoard, Municipalities, Home Guards, Police	Operation

11	Shelter	Dist.Pri.Edu.Officer Dist.Edu.	Administrative officer- Edu., Education	Operation
		Officer	Department , School Principal, Teachers, Health, PHC, State Transport, Water Supply, RTO, Mamlatdar, TDO , NGO , CBO.	
12	Water Supply	Ex. Engr. GWSSB Ex. Engr. Water Works	Dy. Ex. Engr., Mamlatdar, TDO, Health Dept, Dy. Engr. , Talati	Operation
13	Food & Relief Supplies	Dist. Supply Officer	RTO, GSRTC, Municipality, DRDA, Police, Home guard, FPS, PDS, Mamlatdar, NGO,CBO	Logistics
14	Power	Supt. Engr. GEB	Ex. Engr., Dy. Engr. Technical, GEB, Transport	Operation
15	Public Health & sanitat ion	RDD / CDHO	CDMO, Medical Supt. Civi Hospital, MedicalOfficer, PHCs, CHCS, Municipality, Red Cross, Fire Brigade VMSS,Civil Defense, R&B, NGOs, Doctors, TDO, Mamlatdar	Operation
16	Animal Health & Welfare	Dy. Director Animal Husbandry	Veterinary Inspector, NGOs	Operations

Alert Mechanism

Warning, Relief and Recovery

Warning, Relief and Recovery actions are intended to eliminate the loss of life and property and hardship due to disasters. DM Plans and SOPs of different levels, sectors and departments have their own early warning mechanism and imply the same at the time of disaster , further planning for relief and recovery assistance to the affected people have been done during the course of disaster to avoid or reduce losses and hardship.

In Morbi district the Collector/ DEOC is the focal point for early warning, relief and recovery aspect, who directs and coordinates these efforts within the district. Collector / DEOC coordinate in early warning, relief and recovery and share / report the steps taken in these regards with similar activities in neighboring districts and with the GSDMA and Revenue Department.

Early Warning Action Plan

The availability of early warning system is a must before early warning message could be disseminate to the people till the last mile. Thus for every type of disaster there is an agency designated with the responsibility of keeping track of developments in respect of specific hazards and inform the designated authorities/agencies at the district level about the impending disaster. Nodal agencies for early warning of different natural hazards are:

Type of Action	Flood	Cyclone	Chemical and industrial accidents
Existing EWS	Irrigation department/ dam authority/ IMD ☐ Collector ☐ Mamlatdar/TDO ☐ Villages	IMD ☐ Collector ☐ Mamlatdar/TDO	Industrial Association/ industries ☐ DCG ☐ LCG ☐ Mamlatdar
Responsible Agency for warning dissemination	Mamlatdar office/TDO	Mamlatdar office/TDO	Mamlatdar office/TDO
Trained personnel and operators available (Y/N)	Yes	Yes	Yes
Villages covered	All risk prone villages		
Villages/habitat ionnot covered or difficult to access	Communities in remote locations (fisher folk, salt panworkers, maldharisetc)		
Measures requiredto improve timeliness and outreach (For example, voice enabled SMS)	Contact of communities in remote locations (fisherfolk,saltpan workers, Maldharis etc)		

7.8 During and Post Disaster Advisory Action Plan:

Type of Hazard	Flood	Cyclone	Earthquake	Drought	Chemical and industrial accidents	Tsunami
Responsible Agency	Revenue & Panchayat offices					
Villages covered	All risk prone villages					
Villages/habitat on covered or difficult to access	communities in remote locations (fisher folk, salt panworkers, Maldharis etc)					
Measures required outreach	Contact of communities in remote locations (fisher folk, salt pan workers, Maldharis etc)					

Details of Control Room telephone numbers functioning 24*7 365 days and during the monsoon with some key dignitaries' telephone numbers are as under. (Annexure 6)

The actual plans developed by prime and supporting departments/agencies/organizations for each disaster may result in a variation in the actual composition of each taskforce.

Once this DDMP activated, these lead and supporting organizations create taskforces to accomplish the task as directed by the incident commander and appropriate section or unit leader. In addition, each taskforce lead organization will provide a report detailing activities undertaken and lessons learned during any disaster response operations. This report will be in addition to any purpose –specific reporting during the operation.

Emergency Communication Systems

Communication system is very crucial for effective control of any disaster. The communication philosophy adopted by Disaster Management team during the disaster is as under:

In the event of collapse of any communication facility / Communication infrastructure as a cascading effect/consequence of disaster, Telecommunication Task Force Leader shall ensure immediate restoration of such facility or infrastructure to ensure uninterrupted communication for effective disaster management operations.

Radio Communication

All the Control Rooms are equipped with hand held radios and all the task force leaders and their teams are having the hand held radio sets at their respective control rooms. The different user groups are operating at different frequency channels allotted to them for ease in communication in respective groups. At present, —Hand held radio sets are with the District Magistrate, DDO, DSP, fire Brigade and Forest department. If possible, Health Personnel may be given these sets later.

Telephones

Telephone facility is available with all the Control Rooms.

Alternate Communication System

There could be a situation when all the communication facilities and systems may come to halt due to collapse of communication facilities/infrastructures. In the event of such a failure, till the facility/infrastructure is restored made functional, following alternate systems shall be used based on the seriousness of the situation.

Satellite Communication System

Satellite communication shall be activated once all the communication systems fail. This facility is with DEOC. The Telecommunication Task Force Leader shall ensure that this facility is resumed on all such occasions.

Messengers

- Use of messengers as a last resort to carry the hand written messages to people concerned in dealing with the disaster.
- A dedicated vehicle shall be made available by the Transport Task Force Leader upon request.

Right use of Communication facility

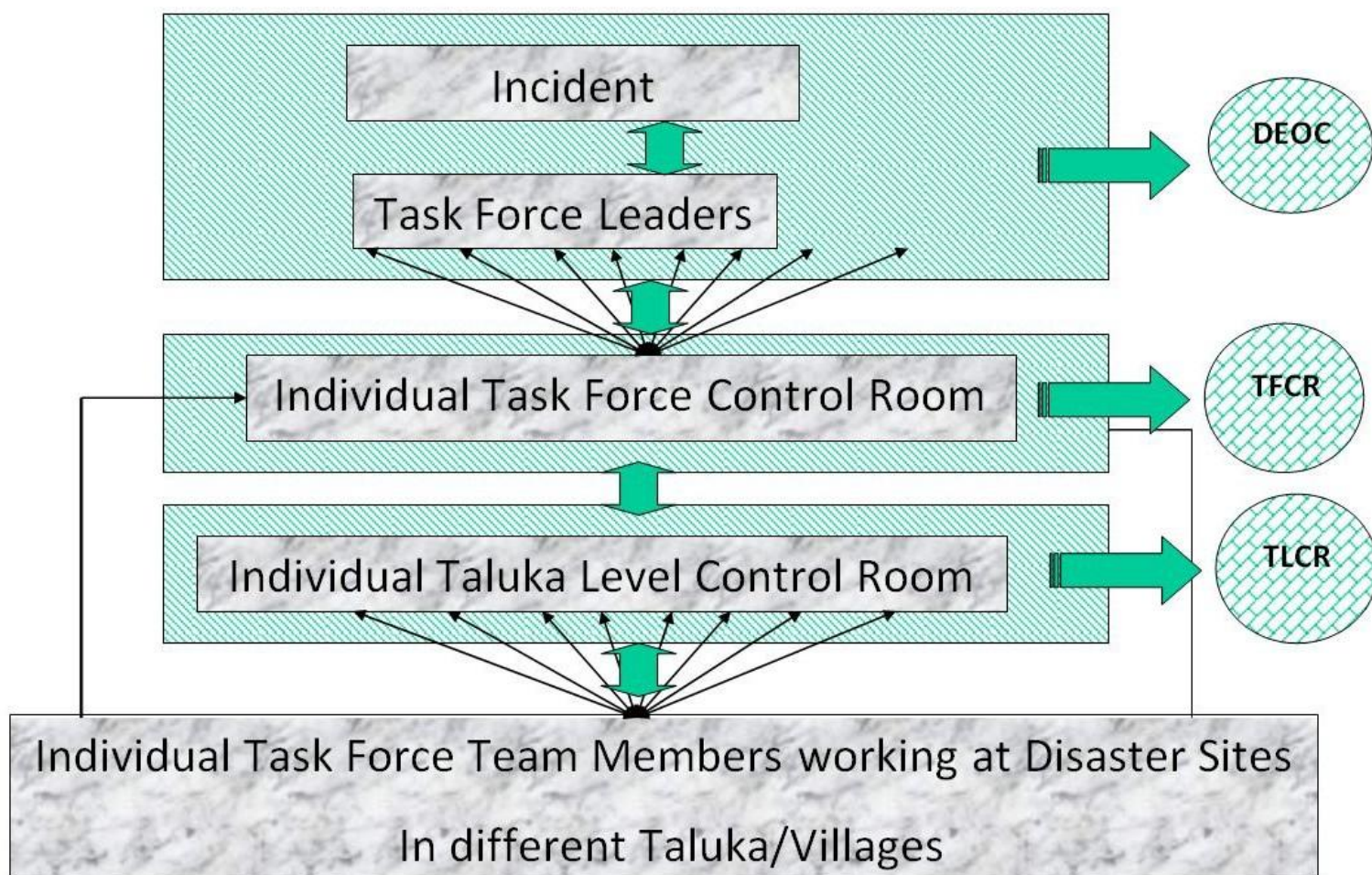
- The sense of urgency that everyone experiences during disaster may lead to a chaotic situation if communication systems are not properly used.
- Communication shall be brief and simple.
- Telephones, Cell phones, Hot Lines shall be used whenever required.

The table below describes the taskforce action plans are intended to identify key actions:

- Before a disaster
- At the time of warning
- As the disaster occurs and
- In periods from:
 - 12 to 48 hours
 - 48 to 72 hours
 - 72 hours and beyond after a disaster

The action plans serve as quick reference guide to individual task force members, as to what specific taskforces expect to be doing at specific stages before and after a disaster. This information will improve coordination within and between taskforces and with authorities outside Bharuch district.

Communication Flow Chart during Disaster Management





Chapter 8 Reconstruction, Rehabilitation And Recovery Measures



Chapter 8

Reconstruction, Rehabilitation And Recovery Measures

Disaster recovery is viewed by some people as a fight against nature to restore order in a community. However, the disaster recovery process is not a set of orderly actions triggered by the impact of a disaster upon a community. Rather, disaster recovery is a set of loosely related activities that occur ***before, during and after*** a disastrous event. These activities can include:

- Warning and Public Information
- Evacuation and Shelter
- Search and Rescue
- Damage Assessment
- Debris Clearance, Removal and Disposal
- Utilities and Communications Restoration
- Re-establishment of major transport linkages
- Temporary housing
- Financial management
- Economic impact analysis
- Detailed building inspections
- Re-development planning
- Environmental Impact Assessment
- Demolition
- Reconstruction
- Hazard mitigation; and
- Preparation for the next disaster.

Recovery has two phases i.e. Short term and Long term Recovery. Class I officers from various line departments are deputed as Liaison Officers for each Taluka, and they are responsible for monitoring and working with the local administration in both phases of recovery operations under the guidance of the District Collector.

Search and Rescue, Damage Assessment, Public Information, Temporary Housing, Utility Restoration and Debris Clearance are essential elements of short-term recovery. The efficacy of their implementation affects long-term decisions.

Long-term recovery begins when a community starts to repair or replace roads, bridges, homes, and stores. It is also the period where improvement and changes for the better such as strengthening building codes, changing land use and zoning designations, improving transportation corridors and replacing “affordable housing” stock are considered. Whether they are considered during pre- disaster planning or short-term post-disaster recovery, it is during the long-term recovery period that most changes in pre-existing conditions can and do occur. Changes that include sustained efforts to reduce loss of life and property from the next disaster, such as changes to building codes and land use designations are examples of mitigation.

8.1 Immediate and Short Term Recovery**Detailed damage & loss assessment**

While a preliminary damage assessment is carried out during disaster phase, a detailed assessment must be conducted before commencing reconstruction and rehabilitation activities. The relevant Government departments and local authorities shall initiate detailed assessment at their respective level for damages sustained in housing, industry/services, and infrastructure, agriculture, health / education assets in the affected regions. Immediate recovery can continue from a day to two months, depending upon the extent of damage.

8.2 Restoration of Basic Infrastructure

The restoration of basic infrastructure is to put the most essential infrastructure bank in place after the disaster.

a) Roads and Bridges

This covers construction of all critical roads and bridges necessary to provide connectivity with immediate effect. It can be National Highway or village roads to link with main roads and health centers, or construction/restoration of bridges that can be the only point of accessing Talukas & villages.

Responsible Department: R & B (State & Panchayat)

b) Drinking Water Supply

Restoration of Drinking Water supply has to be done by setting up of new hand pumps, tube wells or setting up of piped water supply in areas with no access to potable water. In case of floods, setting up of raised hand pumps is required.

Responsible Department: Electricity Department & Water supply Department

c) Electricity: Restoration of power supply is also critical to immediate recovery.

Responsible Department: Electricity Department

d) Communication Network: In times of disasters, communication networks may be disrupted. The networks of mobile services providers have to be put back in operation at the earliest to make search and rescue easier, as well as to expedite coordinated response measures.

Responsible Department: BSNL & Mobile Service Provider, Electricity Department

e) Reconstruction & Repair of Lifeline Buildings

Lifeline buildings are those necessary to keep the administrative machinery functioning despite the damage by disaster. The following buildings have to be repaired on priority:

- Collectorate
- Line Department Buildings
- Block Offices
- Hospitals

f) Rehabilitation

In case there is a major damage from earthquake or flooding, a large segment of the population may have to be rehabilitated to new locations on a temporary basis. There may be a need of permanent relocation in case of the change of river course. Communities will have to be supported with relief shelter.

g) Mass Care/Sheltering and Housing

The management of relief shelters is continued from the response phase to the immediate recovery phase and done through Incident Command System. The Incident Commander oversees the operations while the Relief Camp Manager manages the shelter. During this period, the number of victims must be identified for whom construction of houses under Indira Aawas Yojna & Sardar Awas Yojna shall be sanctioned.

h) Food

Supply of food in relief phase is more important. It becomes important to elicit support from various NGOs, Grain merchants and volunteers.

i) Debris Removal and Disposal of Dead Bodies

We should remove debris or trees from transportation routes for effective rescue and relief measures. Dead bodies of humans and animals may be found in the debris and hence the Health & Animal Husbandry Department works in tandem with debris removal agencies.

j) Drainage and Sewage

Drainage and sewage systems will have to be quickly re-established to decrease inundation from floods, spread of diseases and epidemics and maintaining hygiene.

k) Health Care

First Aid and Emergency Health care has to be provided at the earliest. In case the health care centers are affected by the disaster, temporary medical relief camps need to be installed while the building is retrofitted or reconstructed. Reconstruction of buildings has to begin in this phase. Mobile Medical Units (MMUs) have to be pushed into action for immediately health care close to the community.

l) Livelihood Recovery

Livelihood interventions will happen over to three different overlapping phases, i.e. Livelihood Provisioning, Livelihood Protection and Livelihood Promotion. The first two phases shall form part of the Immediate & Short Term recovery, while the third shall form a part of Long Term Recovery.

1. Livelihood Provisioning: Providing critical food and non-food items in the form of relief is necessary for survival. This will focus on disbursement of food and health services for chronically vulnerable people during the emergency.

2. Livelihood Protection: Protect, replace and rebuild the productive assets needed to sustain a pre-existing or new livelihood.

- i) Cash doles: Some amount of cash assistance should be given for self-directed delivery by the victims. Individual loans and community block grants shall be extended to build local earning assets.
- ii) Material Assistance: In case where replacement of crucial assets or fresh requirement of some resources is crucial and not easily available in local markets, material assistance shall be provided. For instance, distribution of seeds to farmers can be done.

Mitigation Activities

As a part of conducting a detailed damage and loss assessment, an assessment of prospective risks and vulnerabilities will also have to be done. For example, refurbishing of embankments or retrofitting of houses and other buildings...recently Bharuch District has been covered in the NCRMP project.

B. Long Term Recovery

Long-term recovery must be complete in 2 months to 24 months time.

i) Housing

Development of permanent housing solution for victims will happen during this period. The construction of houses for victims identified under Indira Aawas Yojana and Sardar Awas Yojna shall be undertaken during this time.

8.3 Reconstruction and Repair

a) Infrastructure

Restoration of social infrastructure has to be done to reinstate the normal functioning of district infrastructure. Schools & Hospitals will have to reconstructed and repaired in this recovery phase.

Re-establishment of disrupted health care services will have to be done at the earliest.

Responsible Department for Hospitals: Health Department & R & B

Responsible Department for Schools: Education Department & R & B

b) Economic Infrastructure

Restoration of economic infrastructure (Banks) is essential for accessibility of money and the smooth functioning of the economy of the district. Unless addressed, it severely affects the livelihood and employment potential of the district. Thus, bank buildings shall be quickly instated.

c) Livelihood Recovery

Final phase for livelihood recovery is a part of long-term recovery initiatives.

i) Livelihood Promotion: To initiate and strengthen livelihoods to be more economically and environmentally sustainable as well as more resilient to future disasters.

In this long term recovery effort, focus is on **livelihoods diversification**, creation of alternate income generating activities, providing financial services such as loans and insurance, and strengthening forward linkages with markets for existing and new livelihoods.

- i) Microfinance Services: Micro-credit (small loans) shall be provided to repair or replace critical livelihood assets, finance existing debts or for developing new livelihoods.
- ii) Micro-insurance: Providing small-scale insurance at low premium for providing payouts on the occasions of emergencies. Insurance of livestock shall also be facilitated.

8.4 Reconstruction and Repairs, Recovery Program

The following tables are to be filled after an event of disaster:

Power

Item/Services	No. of unit damaged	No of villages affected	Population affected	Recovery measures	Implementing agency	Tentative Duration (Months)
Feeder						
Transformers						
HT Lines						
LT Lines						
Electric Poles						

To be planned after initial damage assessment by departments

Health

	PHC (village name)	CHC	Sub Centre	Drug Store	Recovery Measures	Implementing agency	Tentative Dura tion (Mon ths)
No of buildings damaged							
No of health centres inaccessibl e							
Refrigerati on and other vital equipment for storage							
Drugs and medicines perished	(Location and qty)						
No of Ambulanc e damaged							

To be planned after initial damage assessment by departments

Social

People in need of immediate rehabilitation including psychosocial support (due to disaster)

Village	Men	Women	Children	Total	Recovery Measures	Implementing agency	Tentative Duration (Months)

Water Supply

Type	Village	No. of unit affected	Faliya/ Population affected	Recovery Measures	Implementing agency	Tentative Duration (Months)
Well						
Borewells						
Pond						
Water Supply Disrupted						
Contamination						
ESR damaged						
GLR Damaged						
Sump damaged						
Pipe lines damaged						
Standpost damaged						
Cattle trough damaged						
Handpump						

Road and Transport

Road damage	Location	Severity	Km	Recovery Measures	Implementing agency	Tentative Duration (Months)
Panchayat						
State Roads						
National Highway						
Nagar alika						

	Village/Ward	Population	Alternate road/route	Recovery Measures	Implementing Agency	Tentative Duration (Months)
Road Cut off						
Rail Connectivity						

Communication

Type	Office/Tower Damaged	Villages affected	Recovery Measures	Implementing Agency	Tentative Duration (Months)
Landline connectivit	(No. of unit and location)				
Mobile connectivity					
Wireless Tower					
Radio					

Food Supply

List of village affected by disruption in food supply

Type	No. of godown damage	Type of grains perished (Ton)	Qty of grain perished (Ton)	Qty of grain at risk (Ton)	Recovery Measures	Implementing Agency	Tentative Duration (Months)
Civil Supply							
APMC							
Other							

Housing

Partial Damage		Fully Damaged / Collapsed		Recovery Measures	Prog / Scheme	Implementing Agency	Tentative Duration (Months)
Kucha	Pucca	Kucha	Pucca				

Public Utilities

Public Buildings	Partial damage (No. of units)	Fully Damaged/ Collapsed (No. of Unit)	Recovery Measures	Prog/ Scheme	Implementing Agency	Tentative Duration (Months)
Panchayat						
Educational Buildings						
Anganwadi						
Hospitals						
Office Buildings						
Market						
Police station						
Community Halls/ Function plots						

Restoration of Livelihood

Provisioning of Employment

Occupational category	No. of workers	Implementing Agency	Tentative Duration (Months)
Skilled labours			
Unskilled and , Agricultural labours			
Small and marginal farmers			
Construction workers			
Salt pan workers			
Fisher folk			
Weavers			
Other artisans			

Chapter 8

Reconstruction, Rehabilitation and Recovery Measures

Non-farm livelihood

Cottage Industry	Extent of damage/disruption		Recovery Measures	Implementing Agency	Tentative Duration (Months)
	Tools and equipment (Specify no. and type)	Goods and material (Specify type and qty)			
Handloom					
Pottery					
Food Processing					
Diamond sorting etc					
Printing/ Dying					
Other					

Shops and establishment

Extent of damage/disruption			Recovery Measures	Implementing Agency	Tentative Duration (Months)
Building (No. and location)	Tools and equipments (Specify no. and type)	Goods and materials (Specify type and qty)			

Land Improvement

Land erosion / siltation (Hectare)	HHs affected	Recovery Measures	Implementing Agency	Tentative Duration (Months)

Agricultural

Crop failure (Hectare)	HHs affected	Recovery Measures	Implementing Agency	Tentative Duration (Months)



Chapter 9

Financial Resources For Implementation Of DDMP



District Disaster Response Funds and District Disaster Mitigation Funds are proposed to be created at the District Level as mandated by Section 48 of the DM Act. The disaster response funds at the district level would be used by the DDMA towards meeting expenses for emergency response, relief, rehabilitation in accordance with the guidelines and norms laid down by the Government of India and the State Government.

All State Government Departments, Boards, Corporations, PRIs and ULBs would prepare their DM plans, including the financial projections to support these plans. The necessary financial requirements would be made a part of their annual budgetary allocations and ongoing programmes and used for mitigation and preparedness measures. They will also identify mitigation projects and project them for funding in consultation with the SDMA/DDMAs to the appropriate funding agency. The guidelines issued by the NDMA vis-a-vis various disasters should be considered while preparing mitigation projects.

Other financing options for restoration of infrastructure / livelihoods. Like utilization of flexi fund within Central Sponsored Scheme for mitigation/restoration activities in the event of natural calamities in accordance with the broad objective of the Central Sector Scheme.

DDMA should also look at other options of new financial tools like catastrophe risk financing, risk insurance, micro-insurance etc. to compensate for massive losses on account of disasters.

Opportunities of CSR investments should also be explored and elaborated under this section by the DDMA for increasing district resilience.

9.1 Sources of Funds

Funds available at the National and State Level

1. **The Ministry of Finance** has allocated funds for strengthening Disaster Management Institutions, capacity building and response mechanisms, as per the recommendation of 13th Finance Commission.

2. **Prime Minister's Relief Fund:**

At the National level, Prime Minister's Relief Fund was created shortly after Independence with public contribution to provide immediate relief to people in distress for:

- a. Immediate financial assistance to victims and next of kin.
- b. Assist search and rescue.
- c. Provide Health care to the victims.
- d. Provide Shelter, food, drinking water and sanitation.
- e. Temporary restoration of roads, bridges, communication facility and transportation.
- f. Immediate restoration of education and health facilities.

3. **Chief Minister Relief Fund:**

At the state level, provisions have been made to provide immediate support to the distressed people affected by natural calamities and road, air and railways accidents under the Chief Minister's Relief Fund.

4. **Calamity Relief Fund**

To provide for relief for famine, drought, floods and other natural calamities, funds are provided in the state budget under the head “**2245-Relief on account of Natural Calamities**”. Besides establishment charges, funds are provided for the grant of gratuitous relief in the shape of concessional supply of food, cash payment to indigent persons, cash doles to disabled supply of seed, fodder, medicines, prevention of epidemics, provision for drinking water, transport facilities for goods and test relief works. Funds are also provided to meet unforeseen expenditure in connection with the natural calamities and other allied purposes.

5. **Finance and Budgeting**

Budget planning is a comprehensive exercise for annual financial planning. For Disaster Management, there can be two categories of budget heads—

- a) Line Department's own fund through various schemes and programmes;
- b) Additional budget required particularly for DM activities.

Chapter-9 Financial Resources For Implementation Of DDMP

The following are the sources available (or to be tapped) for different components of disaster management:

Name	Purpose	Finance Arrangements	Activities that can be take under scheme	Nodal Agency
NDRF (NCCF)	Relief Assistance	100% Central Govt	Cash and kind relief	Revenue Department
SDRF (CRF)	Relief Assistance	75% Centre, 25% State	Cash and kind relief	Revenue Department
Planning Commission (13 Finance commission) Year 2011-15	Capacity Building	100% Centre	Training Awareness Generation IEC material Mock drills	Revenue Department
State Fund	Capacity Building	100% State	Training Awareness Generation IEC material Mock drills	GSDMA
Line Department funds	Preparedness and mitigation	Line department budgetary allocation	Activities falling in purview of departments for DRR, Preparedness and mitigation	Line Departments
District Planning Fund	Any public works	MP and MLA aid and grants	Preparedness, Mitigation capacity building, recovery	Local Bodies, Line departments
External Institutional Funding	Projects on DRR, Recovery, Mitigation and Preparedness	Total external or bilateral or multilateral arrangements	Infrastructure upgradation Technological interventions and technical studies DRR projects	Revenue Department
Donor	Any	Total donation in cash and kind	Any	DDMA/TDMA
CSR	Corporate	2 % of profit	Any	Charity Commissioner and Corporate
Appeal	Immediate relief	Fully or partially external funds	Immediate relief, reconstruction	DDMA/TDMA

At the Taluka level, the budgeting for various activities should be planned and incorporated in the TDMP or the Taluka Disaster Management Plan after aligning itself with respective activities of line departments and other agencies. The activities proposed in various sections of this plan (mitigation, capacity building, recovery, etc.) need to be budgeted and reflected in the following format. The Budget source column indicates tentative source of funding (it may be line department funds or additional funds from above mentioned sources)

Budgetary requirement of Human resource and materials (tools, equipments and plants)

Requirement resource	Human	Specification	Remarks
1. Taluka level Staff (Manpower)		Full time person responsible for facilitating for Relief & Response work	Salary as per govt. norms
1.		As per Requirement	



Chapter 10 Procedure and Methodology for Monitoring Evaluation, Updation and Maintenance Of DDMP



Chapter 10 Procedure and Methodology for Monitoring Evaluation, Updation and Maintenance of DDMP

The District Disaster Management Authority (DDMA) of district is responsible for the continuous monitoring, evaluation, updation and maintenance of the District Disaster Management Plan (DDMP). This process involves regular assessments to ensure the plan's effectiveness and alignment with current disaster risks and resources. Monitoring includes periodic evaluations of preparedness measures, while evaluation entails analyzing past incidents to identify areas for improvement. The DDMP is updated annually, incorporating new data, emerging risks, and lessons learned from previous events. Maintenance involves regular training programs, resource audits, and community awareness initiatives to ensure readiness. The DDMA collaborates with various stakeholders, including government departments, NGOs, and community representatives, to ensure a comprehensive and coordinated approach to disaster management. This structured methodology ensures that the DDMP remains a dynamic and effective tool for enhancing the district's resilience against potential disasters.

10.1 Authority for Maintaining and Reviewing the Plan

As per **ACT No. 31 of 2005 – The Disaster Management Act, 2003, Chapter IV, District Plan**, every district in the state is required to have a **District Disaster Management Plan (DDMP)**. The responsibility for preparing, maintaining, and reviewing this plan lies with the **District Disaster Management Authority (DDMA)**. The DDMP is developed by the District Authority in consultation with local authorities and in alignment with the **National Disaster Management Plan (NDMP)** and the **State Disaster Management Plan (SDMP)**. It is then submitted for approval to the **State Disaster Management Authority (SDMA)**.

The **District Plan** must include:

1. Identification of areas in the district vulnerable to various disasters.
2. Preventive and mitigation measures to be undertaken by government departments and local authorities.
3. Capacity-building and preparedness initiatives for an effective response.
4. A response framework detailing:
 - Allocation of responsibilities to district-level government departments and local authorities.
 - Swift disaster response and relief operations.
 - Procurement of essential resources.
 - Establishment of communication networks.
 - Dissemination of vital information to the public.
5. Any other relevant matters specified by the **State Authority**.

The **DDMP must be reviewed and updated annually** to ensure its relevance and effectiveness. Copies of the updated plan are shared with all relevant government departments within the district. Additionally, the **District Authority** is responsible for overseeing the implementation of the plan, regularly assessing its effectiveness, and issuing necessary instructions to various departments for its execution.

The **maintenance and review of the plan** are based on the following key inputs:

- **Drills and rehearsals** to test preparedness.
- **Annual disaster management reports** from all departments, including their recommendations.
- **Lessons learned from disasters** in other districts, states, and countries.
- **Guidelines and directives** from the **Gujarat State Disaster Management Authority (GSDMA), the Ministry of Home Affairs (MHA), the National Disaster Management Authority (NDMA), and other relevant authorities.**

Regular monitoring, evaluation, and updating of the DDMP ensure that the district remains well-prepared to respond to disasters, minimizing risks and enhancing resilience.

Proper Monitoring and Evaluation of the DDMP

Effective monitoring and evaluation of the District Disaster Management Plan (DDMP) are crucial to ensuring its efficiency, adaptability, and resilience. Monitoring involves continuous data collection and assessment to track the implementation of disaster preparedness and response measures. Evaluation focuses on analyzing the plan's impact, identifying strengths and weaknesses, and assessing its overall effectiveness in mitigating risks. Regular reviews and data-driven analysis enable authorities to refine strategies, address gaps, and ensure the plan remains aligned with evolving hazards, technological advancements, and community needs. A well-structured monitoring and evaluation process enhances disaster response capabilities, facilitates timely interventions, and strengthens the district's overall resilience against disasters.

Post-Disaster Evaluation Mechanism for DDMP

The post-disaster evaluation mechanism for the District Disaster Management Plan (DDMP) in Bharuch District is a crucial process aimed at assessing the plan's effectiveness in real-world disaster situations. This evaluation involves a comprehensive review of disaster response efforts, identifying key achievements, challenges, and areas requiring improvement. Authorities analyze response strategies, coordination among agencies, resource deployment, and overall effectiveness in mitigating disaster impacts. Lessons learned from these assessments are systematically documented and integrated into future planning to enhance preparedness, response, and recovery strategies. By conducting thorough post-disaster evaluations, the District Disaster Management Authority (DDMA), local agencies, and stakeholders can strengthen resilience, improve coordination, and ensure a more efficient and adaptive disaster management framework for Bharuch District.

Schedule for updation of DDMP : Regular updation process for the DDMP, reflecting sections that need updation at various intervals

The District Disaster Management Plan (DDMP) for Bharuch District undergoes regular updates to ensure its effectiveness in addressing evolving risks and challenges. The District Disaster Management Committee (DDMC) is responsible for compiling lessons learned from past incidents and recommending necessary improvements to enhance disaster preparedness and response. The DDMP is reviewed and updated annually, with revisions scheduled in May–June as part of pre-monsoon preparations and again in October–November to incorporate any additional insights or emerging risks. This structured and periodic updating process ensures that the plan remains comprehensive, adaptive, and aligned with the latest disaster management strategies.

Hazard-Specific Revision Schedule

Hazards	Revisions proposed	Remarks
Flood	May-June	Highly affected area of the district

Bharuch District ensures that its DDMP remains proactive, well-integrated, and capable of effectively mitigating disaster risks while safeguarding lives, infrastructure, and livelihoods.

10.2 Uploading of updated plans at DDMA/ SDMA websites

The updated District Disaster Management Plan (DDMP) for Bharuch District is systematically uploaded to the official websites to ensure transparency, accessibility, and coordination among all stakeholders. This process allows government agencies, emergency responders, NGOs, and the public to access the latest disaster management strategies, preparedness measures, and response protocols. Regular updates are made following periodic revisions, incorporating new risk assessments, technological advancements, and lessons learned from past disasters. By making the updated DDMP readily available online, the district enhances awareness, improves disaster preparedness, and ensures a well-coordinated approach to disaster management.

10.3 Conducting Mock Drills at district and sub-district levels

Conducting regular mock drills at both district and sub-district levels are crucial for strengthening disaster preparedness and response in Bharuch District. These drills help familiarize all stakeholders with their roles, test the effectiveness of the District Disaster Management Plan (DDMP), and identify areas requiring improvement. Insights gained from these simulations are used to refine response strategies and enhance capacity-building efforts.

The successful execution of mock drills requires clearly defining responsibilities, establishing a structured schedule, and allocating necessary resources. This proactive approach enhances inter-agency coordination and improves overall response efficiency. Key participants include the District Police Department, Home Guards, Civil Defence personnel, Fire Services, Search and Rescue Teams (SRTs), Quick Response Teams (QRTs), District Medical Committees (DMCs), and Disaster Management Teams (DMTs). These exercises are coordinated by the District Collector at the district level and the Relief Commissioner at the state level.

It is mandatory to conduct mock drills at least twice a year, with a special focus on fire, terrorist attack and stampede scenarios ensuring that emergency responders are well-prepared to manage real disaster situations effectively. Regular mock drills not only enhance preparedness but also foster a resilient and well-coordinated disaster management system in Bharuch District.

District adopts a proactive approach to disaster management by conducting regular mock drills across various administrative levels, including state, district, taluka, and village levels. These drills are not limited to government agencies but also extend to educational institutions such as schools, colleges, and coaching centers, as well as industrial areas. By engaging diverse stakeholders across multiple sectors, these exercises play a crucial role in enhancing preparedness, testing response capabilities, and strengthening coordination mechanisms to effectively manage disasters.

Moreover, the district administration's commitment to implementing the Sendai Framework for Disaster Risk Reduction (SFDRR) reflects its dedication to building community resilience and mitigating disaster risks. Through these concerted efforts, Bharuch District aims to foster a culture of safety, promote proactive disaster management strategies, and safeguard lives, infrastructure, and livelihoods from potential hazards.

10.5 The Responsible parties for organizing district drills

The organization of district-level mock drills in Bharuch District involves the coordinated efforts of multiple agencies to ensure effective disaster preparedness and response. The District Collector serves as the chief coordinator, overseeing the planning, execution, and evaluation of drills, while the District Disaster Management Authority (DDMA) is responsible for strategizing, scheduling, and monitoring these exercises. The State Disaster Management Authority (SDMA) provides guidance, technical expertise, and resources to enhance the effectiveness of the drills. Key stakeholders such as the Police Department, Fire & Emergency Services, and Health Department play crucial roles in managing crowd control, conducting search and rescue operations, and ensuring medical emergency preparedness. Additionally, Civil Defence, Home Guards, and the National Disaster Response Force (NDRF) contribute by providing specialized training and support in disaster response simulations. Road & Building and Urban Local Bodies (ULBs) are responsible for assessing critical infrastructure and ensuring the readiness of evacuation shelters. Moreover, educational institutions, industrial safety committees, NGOs, and community-based organizations (CBOs) actively participate in organizing drills at the local level to strengthen community preparedness. By fostering inter-agency coordination and stakeholder engagement, these mock drills play a vital role in enhancing disaster resilience, response efficiency and public safety in District.

10.6 Monitoring and Gap Evaluation

The monitoring and gap evaluation of the District Disaster Management Plan (DDMP) in Bharuch District is a critical process to ensure its effectiveness and operational readiness. This involves regular assessments and capacity-building initiatives to ensure that all personnel involved in disaster response are well-trained and up to date with the latest skills and protocols outlined in the revised plan.

Chapter 11 - COORDINATION MECHANISM FOR IMPLEMENTATION OF DDMP

COORDINATION



11.1 Coordination Mechanism

Dealing with a major disaster in Bharuch District often requires mobilization of resources beyond local capacities. When the district administration's response capabilities are overwhelmed, higher-level authorities, neighbouring districts, and state or national agencies are called upon for assistance. Additionally, corporate entities, NGOs, and other non-governmental organizations (NGOs) operating in and around the district play a crucial role in supplementing disaster response efforts. A predefined, structured, and well-rehearsed coordination mechanism is essential to ensure swift, efficient, and well-organized disaster management operations.

A multi-tiered disaster response system must be in place to cover pre-disaster preparedness, immediate emergency response and post-disaster recovery efforts. Pre-disaster measures focus on risk reduction, early warning systems, capacity building, and public awareness campaigns, while post-disaster actions aim at damage assessment, relief distribution, rehabilitation, and reconstruction. The District Disaster Management Plan (DDMP) should clearly define roles, responsibilities, and standard operating procedures (SOPs) for all stakeholders, ensuring an integrated approach to disaster management.

Effective communication is the backbone of disaster coordination. The Emergency Operations Center (EOC) serves as the command and control hub, facilitating real-time information exchange, decision-making, and coordination between various response agencies. The EOC Communication and Coordination Plan (EoC-SoP) should specify protocols for information dissemination, stakeholder engagement, and incident reporting across all phases of an emergency. The use of digital platforms, satellite communication, GIS mapping, and mobile-based early warning systems can further enhance the effectiveness of the response mechanism.

To ensure preparedness, regular pre-disaster meetings, mock drills, and training exercises should be conducted involving district authorities, line departments, first responders, community representatives, and private sector stakeholders. These interactions will help in reviewing the DDMP, identifying potential gaps, improving coordination strategies, and strengthening inter-agency collaboration. Special focus should be given to vulnerable populations, including women, children, elderly individuals, and persons with disabilities, to ensure inclusive and equitable disaster response planning.

By fostering a collaborative, well-coordinated, and proactive disaster management system, Bharuch District can significantly enhance its resilience, reduce the impact of disasters, and ensure a swift and efficient recovery process.

A robust **coordination mechanism** is essential for the **effective implementation** of the **District Disaster Management Plan (DDMP) in Bharuch District**. Disasters require a **well-integrated response system** that facilitates seamless collaboration among **government departments, NGOs, community-based organizations (CBOs), industries, private institutions, local self-governments, and neighboring districts**. The **coordination mechanism** should incorporate **horizontal (within the same level of governance) and vertical (between different levels of governance) linkages** to ensure an efficient and synchronized disaster management approach.

The **District Disaster Management Authority (DDMA)**, chaired by the **District Collector**, is responsible for ensuring **intra- and inter-departmental coordination**. Each department plays a vital role in disaster preparedness, response, and recovery.

A. Intra-Department Coordination

- Each government department must have a **Departmental Disaster Management Plan (DDMP)** aligned with the **district-level DDMP**.

- Departmental **nodal officers** should be designated to facilitate disaster-related communication and implementation of preparedness measures.
- **Regular internal reviews and training** should be conducted within each department to ensure readiness.

B. Inter-Department Coordination

- **Horizontal coordination** involves seamless communication and joint action between departments such as Revenue, Health, Police, Fire Services, Public Works, Irrigation, Education, Agriculture, Animal Husbandry, and Electricity.
- **Inter-departmental meetings and simulation exercises** should be held at regular intervals to test the effectiveness of disaster response plans.
- **Resource-sharing agreements** should be established to optimize the use of available assets (vehicles, emergency equipment, shelters, and manpower).

Coordination Mechanism with NGOs, CBOs, SHGs, Industries, Private Schools, and Hospitals
Collaboration with non-governmental and private organizations enhances the district's disaster resilience. A formal coordination structure should be established between DDMA and these stakeholders.

A. Role of NGOs, CBOs, and SHGs

- NGOs, CBOs, and **Self-Help Groups (SHGs)** play a crucial role in **community-level disaster preparedness, relief operations, and post-disaster rehabilitation**.
- The DDMA should **maintain a database** of all active NGOs and CBOs, specifying their roles and areas of expertise.
- **Pre-disaster planning meetings** should be conducted to integrate these organizations into the district's response framework.
- NGOs should assist in **public awareness campaigns, evacuation planning, shelter management, and first aid training**.

B. Role of Industries and Corporate Sector

- Industries, especially **Major Accident Hazard (MAH) units**, should have their own **on-site and off-site emergency response plans**, which should be aligned with the DDMP.
- **Corporate Social Responsibility (CSR) funds** can be leveraged for capacity building, relief efforts, and resource mobilization.
- **Memorandums of Understanding (MoUs)** should be established between the district administration and industries for **logistical and financial support during disasters**.

C. Coordination with Private Schools and Hospitals

- **Private hospitals and educational institutions** should be **included in disaster response planning**.
- Schools should **develop disaster management plans, conduct regular drills, and train teachers and students on emergency protocols**.
- **Private hospitals** must be integrated into the **district emergency medical response system**, ensuring **adequate staff, equipment, and ambulance services** are available during disasters.

Coordination with Block/Village-Level Task Forces (Vertical Linkages and Inter-Block/Inter-Village Coordination)

Effective disaster management requires strong coordination at the **block and village levels**.

A. Formation of Taluka and Village-Level Task Forces

- **Taluka Disaster Management Committees (TDMCs) and Village Disaster Management Committees (VDMCs)** should be established to oversee preparedness and response activities at the grassroots level.
- Task forces should include representatives from **Panchayats, local government officials, ASHA workers, Anganwadi workers, school teachers, and youth volunteers**.

B. Coordination between Taluka and Villages

- **Inter-block and inter-village coordination** ensures **resource-sharing, communication, and collective response** during disasters.
- **Early warning dissemination and evacuation procedures** should be practiced through mock drills.

- Regular **capacity-building programs** should be conducted for task force members. Coordination System with State Departments and Training Institutes at State and District Levels Disaster management efforts in Bharuch District must be closely aligned with **state-level agencies and training institutions**.

A. Linkage with State Departments

- The district must coordinate with **Gujarat State Disaster Management Authority (GSDMA), State Emergency Operations Center (SEOC), and relevant state departments**.
- **State-level support (technical, financial, and human resources)** should be requested when needed.

B. Training and Capacity Building

- **Collaboration with state-level training institutes** like the **Gujarat Institute of Disaster Management (GIDM)** for specialized training in disaster response, search and rescue, and medical emergency management.
- Training should be provided to **government officials, frontline responders, and volunteers**. Intra-Block and Intra-Village Coordination
- **Ward-level disaster committees** should be formed in urban and rural areas to strengthen **local-level response**.
- **Resource mapping and risk assessment** should be conducted at the village level.
- **Early warning systems should be community-driven** to ensure timely dissemination of alerts. Coordination with Local Self-Government (Panchayati Raj Institutions & Urban Local Bodies) Local self-governments play a crucial role in disaster risk reduction and response.

A. Panchayati Raj Institutions (PRIs)

- **Zila Parishad, Block Samitis, and Gram Panchayats** must actively participate in disaster management.
- **Gram Panchayats should maintain village-level disaster management plans** and conduct community awareness programs.
- **Ward-level committees** in urban areas should be established to address city-specific risks.

B. Urban Local Bodies (ULBs)

- Bharuch NagarPalika should integrate disaster resilience into urban planning and infrastructure development.
- **Building safety regulations and fire safety norms** must be strictly enforced in urban areas. Linkage with DDMPs of Neighboring Districts Disasters often have regional impacts, necessitating coordination with **neighboring districts**.
- **Inter-district coordination meetings** should be held to **share resources, exchange information, and establish mutual aid agreements**.
- **Joint emergency response exercises** should be conducted with adjoining districts to improve regional preparedness.

Linkage with State Disaster Management Plan (SDMP)

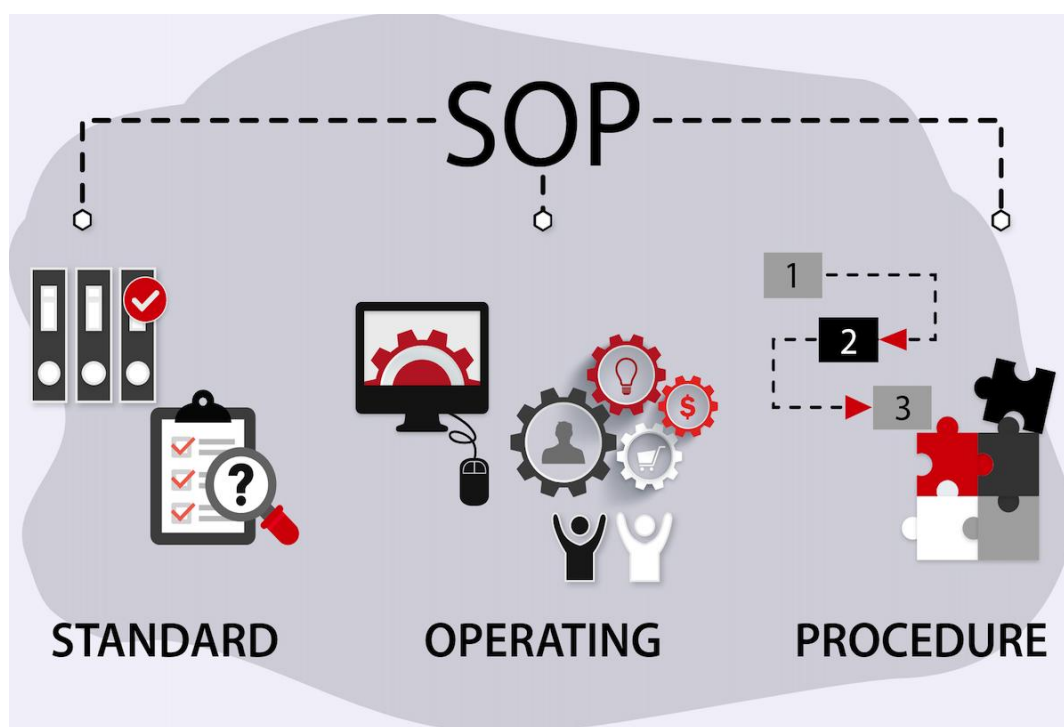
The **Bharuch DDMP** must align with the **State Disaster Management Plan (SDMP)** to ensure **consistency and efficiency in disaster response**.

- The **district administration should coordinate with SDMA** to integrate state-level policies into district planning.
- **Resource-sharing agreements** should be established between the district and state authorities.
- **Timely reporting of disaster impacts** to SDMA ensures prompt state intervention and assistance.

A **well-defined** coordination mechanism **ensures** efficient disaster preparedness, response, and recovery in Bharuch District. **By establishing** strong linkages between departments, communities, industries, and neighboring regions, **the district can** enhance its resilience to disasters. Regular meetings, capacity-building initiatives, and **multi-stakeholder engagement** will further strengthen the implementation of the **DDMP**, ensuring **swift and coordinated action during emergencies**.

Chapter 12

STANDARD OPERATING PROCEDURES SOPs) AND CHECK LIST



Standard Operating procedures (SOPs)

12.1 Definition of disaster situations

The Sendai Framework for Disaster Risk Reduction (SFDRR) defines disaster situations as events triggered by natural hazards or human-induced factors that cause significant disruption to communities, resulting in extensive damage, loss of life, and negative socio-economic impacts. These events exceed the capacity of affected areas to cope and often require national or international assistance for effective response and recovery. The SFDRR emphasizes the importance of reducing disaster risk and enhancing resilience to mitigate the impact of such events and ensure sustainable development. By addressing underlying risk factors and vulnerabilities, the SFDRR aims to minimize the occurrence and severity of disaster situations, thereby promoting the well-being and safety of communities worldwide.

12.2 Action on Receipt of Warning and Warning Dissemination

The receipt and dissemination of warnings are crucial aspects of disaster preparedness and response. Upon receiving an alert about an impending disaster, authorities must rapidly communicate the information to the public using multiple channels, including emergency alerts, sirens, social media, and mass media platforms. Simultaneously, individuals and communities should take immediate precautionary measures, such as evacuating to safe locations, securing property, and gathering emergency supplies. Swift and effective action in response to warnings can save lives, reduce damage, and strengthen overall resilience in the face of disasters.

12.3 Standard Operating Procedure and Roles and Responsibilities of Different Key Departments and Taskforces

The Present plan document identifies the roles and Responsibilities of the organization, in key identified sector. Taskforces have constituted for taking response measures in sectors. Action plan has been prepared for each taskforce which covers their roles & responsibilities in development of incident / emergency. It is expected that each taskforce shall develop the standard operating procedures for specific disaster / emergency. District collector has to ensure that all the members acquire knowledge and skills to perform their assigned roles.

A. DISTRICT MAGISTRATE & COLLECTOR

- Being chairperson and Incident commander of the district for Disaster Management, he will be in overall command & emergency action to control a kind of emergency effectively for the district.
- The Chair person has to perform the role as follows:
- Preparation and updating of District Disaster Management Plan for the District.
- To ensure that everyone is able to perform the role involved in emergency service effectively.
- To activate and maintain the District Control Room round the clock. To provide essential facilities with the District control room.
- To access emergency situation and have to declare the emergency, call and direct the emergency services to respond the emergency by providing reinforcement and support by

pooling the resources from the District and if required from the State.

- The arrangement for rescue, evacuation, shelter, food, water, clothing, and transportation to affected area, announcement to the public.
- To keep inform to the higher authority time to time to declare the withdrawal or termination of emergency.
- Rehabilitation, Restoration, Cleaning, etc. on post emergency actions.
- To submit the reports on emergency. To conduct the meetings.
- To conduct the mock drill.

B. DISTRICT DEVELOPMENT OFFICER

- Being a responsible person of Taluka / District the following actions are to be given prime importance for emergency purpose.
- To ensure the different authorities, agencies, organization persons, as specified their role, should participate immediately during emergency in district pocket area.
- To advice and guide different panchayat department and local representatives for mitigate and preventives aspects of disaster management and coordinative approach at the time of emergency.
- To participate in the meeting, mock drill & training.
- To prepare own detailed action plan to ensure effective control on emergency.
- To liaison & co-ordination with chair person, Central Control Room, emergency services, organization, agencies, agencies person etc.
- To support all other duties as specified by District Collector.

C. POLICE DEPARTMENT

- Another authority who gets the first information on incident / accident is police department. The following actions are to be carried out by police department.
- To access the situation and report immediately.
- To maintain the law and order during the emergency to control the traffic and control the affected area.
- To protect the life of people, inside, outside as well as road movers.
- To protect the property & environment & public announcement.
- Evacuation, rehabilitation, shelter & transportation work during the emergency as per prevailing situation.
- To help & assist to make area clean, removing of any structure and other similar work as required during actual emergency.
- To participate the meetings & Mock Drill / Rehearsal & Training.
- To liaison with Central Control Room and other emergency services / organization / agencies.
- To prepare their own details action plan & to ensure the provisions to handle the emergency.

D. FIRE AND EMERGENCY SERVICES

- Most probably, the first information regarding any incidence / event is received by the fire services. Thus, fire service being first informant has to play the major role during the emergency.
- Inspection, survey & assess the situation where incident occur & give the report.
- To decide the proper & effective actions and immediate response actions to control

the emergency, under intimation to Central Control Room or Chair Person.

- Proper training to fight against different hazards
- Rescue, Evacuation, Remove of debris, and other emergency work as directed or instructed.
- To maintain the proper and adequate firefighting, equipments, neutralizing media, self-breathing apparatus, emergency equipments, personnel protective equipments with keeping in working order.
- The knowledge & information on different type of alternative resources, various types of extinguishing media, neutralizing media, chemical properties and their hazards with safe handling procedure. To participate the meetings Mock Drill / Rehearsal & training.
- To liaison with Central Control Room and other emergency services.
- To prepare their own details action plan & to ensure the provisions to handle the emergency.
- Other duties as required during actual emergency.

E. HEALTH DEPARTMENT

- The health and medical services have to play vital role following the emergency. One fold is proper & timely treatments to the victims injured or affected persons. Other fold is to safe guard the public health.
- To ensure the arrangement & preparedness for special medical treatment antidotes and trained doctor Para-medical staff as specified in toxicology at the time of industrial emergency in local pocket area.
- On declaration of emergency or on receiving the message or information, prompt medical facilities should be set up e.g. first aid post, casualty receiving center/ camp, as per gravity of situation at site. Similarly, arrangement for emergency operation or special treatment on chemical burn, injury, gas dispersion etc. with adequate arrangement, which will can serve the purpose of Base Hospital.
- Identification of dead bodies and post mortem arrangement.
- To maintain up to-date list with telephone nos. of services of doctors, hospitals,
- Ambulance, primary health center, Para-medical staff, vehicle to meet the emergency situation.
- Arrangement to inform the up to-date status time to time to DEOC, Chair Person, and Relatives of injured or admitted patients, emergency services etc.
- Arrangement to safe guard the public health in case of development of epidemic situation & announcement on safety measure to be taken by public at the time of emergency situation.
- To advice & guide the different stake holders in respect of medical & health part time to time.
- Provision for proper and adequate medicines, lifesaving drugs, equipments, antidotes etc. related to different hazards.
- To participate meetings, mock drills / examine and training.
- To prepare own detailed action plan to ensure the effective handling of different kinds of emergencies.
- To liaison with DEOC, Chairperson, emergency services organization, agency and other related person.
- Other duties as required during actual emergency.

F. RTO

- To respond to collector and police instructions in different kinds of emergency
- To provide adequate requirements for both persons and material.
- To arrange for deployment of vehicles with full fuel levels.
- To streamline traffic flow and parking yard movement.
- To co-ordinate in deployment of vehicles, if required.
- To participated meeting, mock drills & training.
- To prepare own detailed action plan to ensure effective handling at the time of actual emergency.

G. Civil Supplies Department

- To arrange to provide cooked food and clothing to evacuees and others involved in emergency controlling operation.
- To ensure availability of sufficient cooked food, water ready for distributaries at various locations.
- To participate in the meeting, mock drills & training.
- To prepare own detailed action plan to ensure effective handling of emergency.

H. Joint Director - Information

- The proper and correct news should be reach to the public to avoid rumours and panicky. The role of District information officer is to create awareness and preparedness amongst the public for different hazards because of wide & fast spreading news.
- To participate in the meeting, mock drill / exercises and training.
- To assist the public in case of rescue operation and authentic news.
- To liaison & Co-ordination with Chair person, Central Control Room and emergency services.
- Ensure to safe guard the public at large during actual emergency by providing correct reliable authentic guideline and news.

I. ELECTRICITY BOARD (MGVCL)

- To arrange for un-interrupted power supply, if needed.
- To arrange for lighting at temporary medical camps, rallying points and parking yards.
- To take care of electrical equipment within affected zone.
- Arrange for switching off power supply if requested by authority.
- To participate in the meeting, mock drills & training
- To prepare own detailed action plan to ensure effective handling of emergency

J. Regional Officer (GPCB)

- To participate in the meetings, mock drill / exercises and training.
- To prepare own detailed action plan to ensure the effective control of industrial emergency & subsequent action.
- Liaison with central control Room, chairperson, Emergency Services, Organization agencies & other related persons.
- Advice & Guidance to the District Crisis Group in Respect of environment protection in the industrial pocket.
- To provide the technical input regarding environment and evaluate the contamination

oradverse effect during industrial emergency.

- To provide the details & information on development of emergency situation regarding insafe level to the life and suggest area to be evacuated and other safety measures.
- To suggest the safe level for restoration & restarting of work on termination of emergency services & expert persons etc.
- Other duties or work as directed by District crisis group or chair person.

K. Representative Form MAH Units

- The management of major accident hazardous unit has to maintain updated onsite emergency plan with necessary details with accurate information and a correct assessment of the situation. The site main controller is responsible to provide immediately on occurrence of crisis at his unit with specific details, development and needed help from local crisis group & district crisis group. He will arrange & provide all the resources, equipments, manpower, and communication network from his own unit and co-ordinate with local crisis group & district crisis Group to combat the industrial emergency.

L. Role of other members of District Crisis Group

- The other members like controller of explosives, trade union representative, agriculture department, municipal commissioner and other government agencies, etc. have to perform the various duties. However, the following are the suggested duties as required during the emergency:
- To participate in the meeting, mock drill / exercise and training.
- To assist the public in proper way in case of rescue and evacuation during actual emergency.
- To advice and guidance to the District crisis group & Chair person.
- To arrange and help the supporting actions and duties in respect of industrial emergency
- To provide more and adequate resources & various requirement to tackle the industrialemergency immediately.
- Liaison & co-ordination with Central Control Room and emergency services.

M. Volunteer Organizations (N.G.O.)

- The voluntary organization / services can play vital role in relief & rescue operations like arrangement of food packets & packing up of the same, distribution of the food packets and water pouches, arrangements of life saving drugs & distribution of the same, can play a major role in awareness generation, to convince the person / public to evacuate the residence / place and to shift to safe shelter timely during emergency. Otherwise it may result more serious effect. To save the life of public is more important factor, which will be successfully carried out by the voluntary organization. The list of such organization with address, telephone no. organization etc. will be prepared and up-dated time to time.

N. Railway Authority

- On getting information at the time of disaster from Central Control Room, the Divisional Manager, western Railway, will take following actions:
- To issue the standing instruction to all railway gates to take actions on receiving the message from the Station Master.
- To decide authority level of railway staff to take actions.
- To carry out evacuation by railway, if required.

- To take care of floating population at railway stations and on board travelers.
- To issue the standing instruction to station Masters on up and down railway stations to stop the train as soon as emergency message is received from DEOC and CCR.

O. Irrigation Department

- Play vital role in pre, during and post form of emergencies particularly in floods.
- Proper management of dams, irrigation canals, ponds and timely maintenance of the same.
- Inform DEOC and respective stake holders in case of water release from the dams.
- Start their control room at the time of monsoon.
- Follow the instructions mentioned with the Flood memorandum.
- To participate in the meetings, mock drill / exercises and training.
- To prepare own detailed action plan to ensure the effective handling of different kinds of emergencies.
- Liaison with DEOC, Chairperson, emergency services organization, agency and other related person.
- Other duties as required during actual emergency.

P. R&B Department

- To play vital role in pre, during and post form of emergencies.
- Proper management of roads and buildings and timely maintenance of the same.
- Inform DEOC and respective stake holders' diversion of routes, closing status of the roads etc.
- Ensure safety terms while establishing or developing of bridges, dams, roads, buildings etc.
- To participate in the meetings, mock drill / exercises and training.
- To prepare own detailed action plan to ensure the effective handling of different kinds of emergencies.
- Liaison with DEOC, Chairperson, emergency services organization, agency and other related person.
- Other duties as required during actual emergency.

Emergency Response Functions:

In developing an effective response plan, it is imperative to identify key response functions, assign specific tasks to relevant agencies, and determine the necessary equipment, supplies, and personnel. These response functions encompass a range of activities including evacuation, search and rescue operations, cordoning off affected areas, traffic management, maintaining law and order, implementing safety measures, managing the disposal of deceased individuals, and handling carcass disposal. By outlining these functions, the response plan delineates strategies and resource requirements for executing tasks such as evacuation, search and rescue operations, and other critical response activities.

Evacuation:

During emergencies, local authorities frequently establish public shelters in various community facilities such as schools, municipal buildings, and places of worship. These shelters typically offer essential amenities including water, food, medicine, and basic sanitary facilities to those seeking refuge.

Search and Rescue:

At the district level, the District Collector promptly communicates any required assistance during disasters to various departments. Additionally, the District Collector may engage support from local NGOs and other relevant agencies within the district. If the magnitude of the disaster surpasses the district's capacity to manage, the District Collector has the authority to request assistance from defense and paramilitary forces.

Cordoning the area:

The Sub-Divisional Magistrate (SDM) and the Police department are responsible for establishing cordons around affected areas to restrict entry of rail or road traffic. They will direct the setting up of check posts to control entry and exit points. The Deputy Superintendent of Police (DSP) will issue instructions for cordoning off the area, ensuring that people are not permitted access to the vicinity of the disaster site.

Traffic control:

The Superintendent of Police is tasked with coordinating traffic control and arrangements for traffic flow toward areas affected by the disaster. The Traffic Cell is also responsible for facilitating ground transportation of personnel, supplies, and equipment, as well as implementing alternate routes to expedite the reopening of roads to traffic as soon as possible.

Law & order and safety measures:

The Collector's office and the Superintendent of Police (SP) office are jointly responsible for upholding all laws and ensuring orderliness in the area affected by the incident. Within this framework, the law and order section includes a dedicated task force equipped to manage disasters with stringent safety protocols in place. This task force is tasked with maintaining law and order, preventing theft in disaster-affected areas, and coordinating with search and rescue operations. Additionally, it is responsible for ensuring security at relief camps and storage facilities for relief materials. Furthermore, the task force oversees the maintenance of law and order during the distribution of relief materials.

Dead body disposal:

Health Department will promptly initiate the post-mortem procedure for deceased individuals in accordance with established protocols. Measures for the disposal of bodies will be implemented to mitigate the risk of epidemic outbreaks. Additionally, arrangements will be made to issue death certificates to the relatives of the deceased.

Carcass disposal:

Animal Husbandry Departments are equipped with necessary tools and equipment to handle the disposal of carcasses in areas affected by disasters. This is aimed at facilitating the restoration of normalcy in public life and ensuring effective and efficient outcomes.

Humanitarian Relief and Assistance:

The Indian government employs the terms "humanitarian assistance" or "disaster relief" to address the human suffering caused by natural disasters such as cyclones, droughts, earthquakes, or floods. These initiatives are deeply rooted in Indian spiritual and cultural values, with Hinduism, Buddhism, Islam, and Sikhism all emphasizing solidarity with the suffering and selfless giving. The concept of "daan" in Hinduism underscores the altruistic nature of giving, as reflected in the Bhagavad Gita's teachings advocating charity without any ulterior motives. These spiritual traditions profoundly influence the humanitarian inclinations of Indian policymakers, who view humanitarian assistance as an expression of sympathy towards the disaster-affected. Given India's rich cultural heritage of philanthropy, relief efforts by the government enjoy widespread support among the populace.

During disaster events, UN agencies and international NGOs operating in the country are permitted to provide humanitarian assistance to affected individuals, subject to coordination with relevant Ministries/Departments and the State Government as per existing protocols. Guidelines outlined by the International Federation of Red Cross and Red Crescent Societies (IFRC) on international humanitarian assistance serve as the benchmark for facilitating external aid. External assistance is administered responsibly and in a coordinated manner to minimize strain on local resources and uphold quality and accountability standards.

In the event of a large-scale emergency, the Collector will establish relief coordination centers at strategic locations such as airports and railway stations to facilitate the arrival of Search & Rescue and Medical Teams offering humanitarian aid.

Development of SOPs/Checklists/formats related to ESFs etc.

The development of Standard Operating Procedures (SOPs), checklists, and formats related to Emergency Support Functions (ESFs) is essential for ensuring efficient and coordinated response efforts during emergencies or disasters. These documents outline step-by-step procedures, protocols, and guidelines for various emergency scenarios, covering aspects such as communication, resource management, decision-making, and coordination among response agencies and stakeholders. By standardizing procedures and providing clear instructions, SOPs and checklists help ensure consistency, clarity, and effectiveness in response operations, enabling responders to quickly and effectively address emergent situations and mitigate their impact on communities.

Warning and alert

Upon receiving a warning or alert from an authorized agency capable of issuing such notifications, or upon confirmation from the District Collector regarding the onset of a disaster, the response mechanism of the State Government is promptly activated. This activation marks the initiation of coordinated efforts to address the emergent crisis. At the helm of this response structure stands the Chief Secretary or Relief Commissioner, who assumes the pivotal role of Chief of Operations during the emergency period. Entrusted with the responsibility of overseeing and directing response activities, the Chief of Operations plays a central role in orchestrating the state's efforts to mitigate the impact of the disaster and ensure the safety and well-being of its populace.

Under the leadership of the Chief of Operations, the state's response structure swings into action, marshaling resources, personnel, and expertise to effectively address the unfolding crisis. This entails the mobilization of various governmental agencies, departments, and emergency services, each tasked with specific roles and responsibilities tailored to the nature and scale of the disaster at hand. By centralizing command and coordination under the auspices of the Chief of Operations, the state endeavors to streamline decision-making processes, optimize resource allocation, and foster a cohesive and integrated approach to disaster response.

Activation of EOC

In disaster response operations, the District Emergency Operation Centre (EOC) assumes a pivotal role, operating under the authoritative command and control of the District Collector. Functioning as a central hub, the EOC serves as the primary point for gathering, processing, and decision-making regarding disaster management strategies. Within this control room, a significant portion of strategic decisions is made, leveraging information gathered and processed to effectively combat the unfolding disaster. At the helm of the District Control Room sits the Incident Commander, who oversees emergency operations in accordance with the Incident Command System organizational structure, ensuring a coordinated and efficient response effort.

The operational functionality of the Emergency Operation Centre (EOC) extends throughout the year, with the District EOC headquartered at the collector's office in Morbi, maintaining round-the-clock operations, 24 hours a day, 7 days a week, 365 days a year. Staffing for the EOC is facilitated through the deployment of personnel from local government offices, ensuring continuous coverage across three shifts of 8 hours each. During the monsoon season, additional focus is placed on preparedness and response efforts, with control rooms of line departments and Taluka EOCs becoming active from June 1st to November 30th. These entities play a crucial role in coordinating resources and disseminating instructions received from the District EOC, thereby enhancing the overall effectiveness of disaster response activities.

Moreover, the Liaison Officers appointed for respective Talukas assume responsibility for overseeing the functioning of Control Rooms at the Taluka level. Charged with coordinating between task group members operating at disaster sites and the Taluka EOC, these officers play a critical role in resource mobilization and the dissemination of vital instructions received from higher-level command centers. Through this decentralized yet interconnected network of control rooms and liaison officers, the disaster response apparatus is equipped to swiftly mobilize resources, coordinate response efforts, and effectively manage crises as they unfold, ensuring the safety and well-being of communities affected by disasters.

Resource mobilization

Resource mobilization is a critical aspect of response and relief measures during emergencies or disasters. It involves the efficient allocation and utilization of various resources to address the needs of affected individuals and communities.

In the context of response and relief measures, resource mobilization encompasses several key steps:

- ❖ **Assessment and Identification:** The first step is to assess the extent and nature of the disaster to determine the specific needs of the affected population. This includes identifying the types of resources required, such as food, water, shelter, medical supplies, and personnel.
- ❖ **Coordination:** Effective coordination among government agencies, non-governmental organizations (NGOs), international organizations, and other stakeholders is essential for successful resource mobilization. This ensures that resources are allocated efficiently and duplication of efforts is minimized.
- ❖ **Donations and Contributions:** Governments, NGOs, businesses, and individuals may contribute resources, including financial donations, goods, and services, to support relief efforts. Resource mobilization efforts often involve launching fundraising campaigns and appeals to encourage donations from the public and private sectors.
- ❖ **Logistics and Distribution:** Once resources are mobilized, logistics and distribution networks must be established to transport supplies to affected areas and distribute them to those in need. This requires careful planning to ensure that resources reach the right locations in a timely manner.
- ❖ **Volunteer Management:** Volunteers play a crucial role in response and relief efforts, providing support in various areas such as distribution, shelter management, medical assistance, and psychosocial support. Mobilizing and coordinating volunteers effectively is essential for maximizing their impact.
- ❖ **Monitoring and Evaluation:** Throughout the response and relief process, monitoring and evaluation mechanisms should be in place to assess the effectiveness of resource mobilization efforts, identify any gaps or challenges, and make necessary adjustments to improve the overall response.

By following these steps and adopting a coordinated approach to resource mobilization, responders can ensure that adequate support is provided to those affected by disasters, helping to mitigate the impact and facilitate recovery efforts.

In the event of a crisis, Taluka authorities will make every effort to manage the situation using the resources available within their locality. However, if they determine that the situation exceeds their capacity to control and necessitates district-level assistance, they will escalate the matter to their superiors or convene a meeting of the Disaster Management Committee. This proactive approach ensures swift response and coordination, leveraging hierarchical structures to effectively address escalating emergencies.

Utilizing online Spatial Data and Resource Network (SDRN) computerized systems and web-based IT solutions, resource mobilization and deployment of trained personnel can be optimized. This decentralized system offers numerous benefits, including easy access to resources and plans at all administrative levels, minimizing redundancy and saving valuable time. Furthermore, the generation of visual data reports facilitates gap analysis, enabling informed decision-making and efficient resource allocation to address emergent needs promptly.

By harnessing the capabilities of online SDRN technology, authorities can streamline disaster response efforts, maximizing the utilization of available resources and enhancing coordination across administrative levels. This integrated approach not only fosters agility and responsiveness but also enables data-driven decision-making, ensuring a more effective and coordinated response to crises as they unfold.

Seeking external help for assistance

In the event that external assistance or resources are deemed necessary, the Taluka Emergency Operations Center (TEOC) will communicate with the District Emergency Operations Center (DEOC) to relay this assessment. Subsequently, the District Collector will evaluate the urgency of the situation and determine whether assistance from entities outside the district is warranted, particularly for addressing immediate priorities. Should external aid be deemed essential, the District Collector will initiate coordination efforts with state, national, and international agencies to mobilize additional resources. This entails making arrangements to facilitate the provision of external assistance, ensuring that the necessary support is effectively deployed to manage the disaster situation.

First assessment report

DEOC instruct Quick Assessment Task Force to submit preliminary need and loss assessment report of the affected areas. Quick assessment Team will submit First Assessment Report to District Collector duly signed by Taluka Liaison Officer. DEOC will collect preliminary first assessment report from the onsite EOCs and submits district's compiled report to State EOC.

To make a first assessment report of damage, the assessment report will contain the following basic elements or activities.

- Human and material damage
- Resource availability and local response capacity
- Options for relief assistance and recovery
- Needs for national / international assistance

Media management / coordination / information dissemination

Effective media management, coordination, and information dissemination are crucial components of response and relief measures during a disaster. These aspects play a vital role in ensuring that accurate and timely information reaches the affected population, stakeholders, and the broader public. By reframing the issue, we can emphasize its significance and the strategies employed to address it.

During response and relief operations, the management of media engagement, coordination efforts, and the dissemination of information are paramount. This involves orchestrating communication channels to relay critical updates, safety instructions, and relief efforts to impacted communities and relevant stakeholders swiftly and accurately. By effectively managing media interactions, coordinating messaging across various platforms, and disseminating information promptly, response and relief agencies can enhance public awareness, facilitate coordinated actions, and foster trust and transparency amidst challenging circumstances. (Contact of District Information Department and Media are in Annexure 7).

Media management:

In times of emergencies, the role of both print and electronic media becomes indispensable in disseminating vital information to both the public and authorities. Media serves as a crucial conduit for raising public awareness and preparedness by educating individuals about potential disasters, issuing hazard warnings, and transmitting real-time updates about affected areas. Moreover, media plays a pivotal role in alerting government officials and relief organizations to specific needs, facilitating coordination and response efforts.

The Collector's office in Morbi has established an effective collaboration system with the media to ensure timely and accurate communication during emergencies. Both print and electronic media outlets are regularly briefed at predetermined intervals, providing them with up-to-date information about unfolding events and the current situation on the ground. Similarly, a parallel setup operates at the Taluka Control room in the Mamlatdar office, ensuring seamless coordination and communication with the media at the local level. This proactive approach not only enhances public awareness and preparedness but also fosters transparency, trust, and effective coordination among all stakeholders involved in emergency response and relief efforts.

Information management:

The control room serves as a pivotal hub in disaster management, responsible for gathering and disseminating vital information to relevant stakeholders. Equipped with state-of-the-art telecommunication facilities, the control room ensures efficient communication during emergencies. It houses essential district administration data, facilitating quick access to critical information in times of crisis. Linked with various line departments, the collectorate, NGOs, police control room, and block control room, the control room establishes a comprehensive network connecting village task forces and irrigation control rooms. Under the supervision of the Collector, the control room regulates the flow of information within the district and liaises with state authorities to coordinate response efforts effectively.

Situation reports:

All situation reports received at the Sub-Divisional Magistrate (SDM) or District Emergency Operations Center (DEOC) will be promptly communicated to the designated Nodal Officer. Based on the available information, if deemed necessary, the Nodal Officer will activate the DEOC in emergency mode. The Resident Additional Collector is responsible for reporting emergencies to the Collector, Relief Commissioner, Gujarat State Disaster Management Authority (GSDMA), and State Emergency Operations Center (SEOC) upon receiving reports through Taluka Control rooms. DEOC will ensure continuous reporting of pre and post-disaster activities to SEOC and GSDMA.

Village Talatis are tasked with submitting immediate situation/action taken reports to the Mamlatdar and Taluka Development Officer (TDO). Mamlatdars, TDOs, and Chief Officers are responsible for communicating immediate emergencies and updated situations to Liaison Officers, SDMs, and Resident Additional Collector. Detailed reports must be submitted to DEOC promptly.

Reports regarding death, casualties, emergencies, and primary situations are to be submitted immediately with top priority using the Primary Situation Report format developed by SEOC. Additionally, Taluka Mamlatdars and District Panchayats must submit ABCD and MHA reports along with detailed emergency updates on a daily basis to DEOC. Compiled reports should be forwarded to SEOC in a timely manner.

Media release:

State Government has established an effective system of collaborating with the media during emergencies. At the State Emergency Operation Centre (SEOC), a special media cell has been created which is made operational during emergencies. Both print and electronic media is regularly briefed at predetermined time intervals about the events as they occur and the prevailing situation on ground. A similar set up is also active at the District Emergency Operation Centre (DEOC) of collector office at district.

STANDARD OPERATING PROCEDURE ON BOREWELL INCIDENT RESPONSE

12.1 INTRODUCTION:

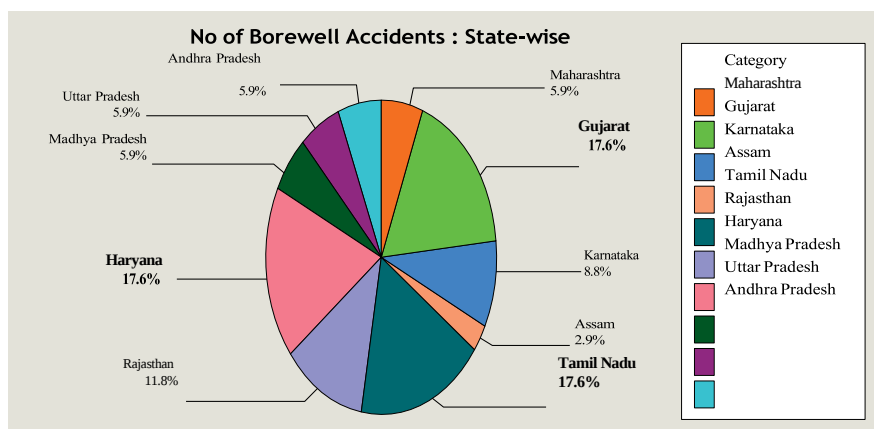
India is the biggest user of ground water in the world which is drawing around 230 cubic kilometer per year. There are approximately 27 million bore wells in India. Due to water scarcity, low rain fall, drought and depletion of underground water, large number of bore wells are dug. When the water gets dried, the motor along with casing pipe are removed and outer surface of bore well is not properly covered or sealed. Reports say that since 2009, more than 40 children fell into the bore well. On an average 70% of the conventional child rescue operation fails.

India, recently has witnessed some of the most tragic but helpless incidents which touched us deeply and forced us to look after the matter seriously. As the statistics suggest in the consecutive years starting from 2006, still more than 33 deaths occurred while stuck in bore well. The most mournful fact in that figure is that 92% of that victim is under the age of 10. The children were playing around the bore well unaware of the fact that the bore well was waiting for them in the form of a death trap. After slipping in the rotten congested pitch-black environment they were waiting for the help to come. But the lack of oxygen and deadly atmosphere has taken their life slowly before the rescue team can reach them.



The incident of losing lives trapped in Bore well was highlighted in 2006 where a 5-years- old child named Prince was rescued after a tough combat which lasted 49 hours. Another incident in Indore took place in the same year where a child name Deepak stuck in the pit hole and died for the lack of oxygen. After that, there were number of incidents happened in the various parts of the country of falling of child in a Bore well, where depth of Bore well varies from 50 feet to 250 feet.

In rural regions of the States, bore wells are widely used due to lack of water supply or unavailability of ponds, rivers etc. Almost all Government programmes seek to supply water through tube wells. With the falling water level, most of these tube wells are abandoned and are usually left uncapped and open. A survey sponsored by the Ministry of Water Resources in 2008 discovered that 85 percent of rural, 50 percentage of urban drinking and industrial needs, and 55 percent of irrigation needs were met through bore wells. Incidents of bore well deaths will stop only when consistent watr supply where needed is ensured.



The statewide data of bore well incident is given below in the pie-chart.

12.2 AIM:

The aim of this SOP is to lay down guidelines for NDRF Bns for responding to bore well emergencies.

12.3 PURPOSE:

The purpose of this SOP is to establish the procedure for the response of the SAR team(s) of the Bns of NDRF in the States/UTs for bore well incident. The SOP prescribes guidelines and assigns responsibility for adopting various executive actions to ensure prompt response during incident.

12.4 OBJECTIVES:

This SOP shall be used to formulate NDRF action plans and procedures for launching specialized Rescue response which should be instrumental in saving precious lives. The objective of this SOP is to establish operating procedures for addressing all aspects of managing during bore well incident.

These are as follow:

Guidelines for troops for rescue operation during the bore well incident.

Achievement of best result through well planned rescue operations.

Reducing reaction time of the teams in responding to such incidents.

Coordinating and collaborative instructions during bore well incident.

12.5 SCOPE:

To define a 'Standard Operating Procedure' for bore well incident response in the country. The SOP applies to all elements of the Command while performing bore well incident response operations. This SOP is a guideline and shall be subject to be reviewed periodically.

12.6 ROLE AND RESPONSIBILITIES DURING BORE WELL INCIDENT

Bore well incident preparedness provides a platform to design effective, realistic, coordinated planning and reduces duplication of efforts. The SOP unifies support for all functional areas to support a disaster requiring a coordinated response. The expertise of NDRF in strengthening the coordination amongst the various stakeholders is also very instrumental and important for effective response. Incidents of children falling into bore well/well are increasing in various parts of the country due to lack of awareness of people and do not follow the guidelines issued by Hon'ble Supreme Court. NDRF has not sufficient equipment to carry out the bore well rescue operation. However, NDRF responds in bore well incidents to rescue the precious life.

Responsibilities:

Executives/Supervisors/Commanders: It shall be the responsibility of all the Executives/ Supervisors/ Commanders at all levels of the chain of the command of NDRF who are involved in the bore well incident response to ensure that all aspects of this SOP are adhered to.

Responders: It shall be the responsibility of all the responders to know, understand and follow the directions of the SOP in the letter and spirit.

12.7 DECISION OF DEPLOYMENT:

SAR team(s) of NDRF shall be mobilized:

- a) On the request of the incident States/UT Govt., or
- b) On directions of Central Govt. Authorities (NCMC, NEC, NDMA)

The procedure of making requisition for services of NDRF is given below:

a) The State Govt. is required to make a telephonic request to Control Room, HQ NDRF for sending SAR team(s) for disaster response followed by a written requisition through fax/email/dak on the prescribed Performa duly filled up in all respects to the HQ, NDRF-New Delhi.

b) Under exigencies, on getting the direct request from the State Authority, Commandant of the local BN after due appreciation of the situation shall mobilize his SAR team(s) for the bore well incident response without wastage of time and simultaneously seek formal approval from the HQ, NDRF-New Delhi.

c) In case, the Govt. of the bore well incident State/UT makes a direct requisition to the Central authorities (NCMC, NEC, NDMA), the SAR Team(s) of NDRF will be mobilized by the DG, NDRF as per the directions of Central authorities.

d) Following authorities of the State Govts./UTs can place requisitions for the team (s) of the NDRF during disaster:

- e) The Chief Secretary/Principal Secretary Disaster Management /Relief Commissioner or higher authority of SDMA.
- f) Collectors/DCs/DMs of the DDMA can request for the response of the NDRF Battalion which falls in jurisdiction of local district.
- g) Finally, deployment of SAR team(s) of NDRF at the bore well incident site shall be executed under the directions of the DG, NDRF in the quickest possible time after having receipt of the requisition from the States/UTs and the same shall be intimated to the NDMA/MHA.

12.8 EXECUTION OF BORE WELL DISASTER RESPONSE

India pre-dominantly being an agricultural economy relies on monsoon rains to fulfill the needs of irrigation as well for various other needs like industrial, household etc. But the erratic nature of monsoon rains and its unequal distribution has led to severe water shortage across the country.

With increase in cultivable land and increase in population the demand for water is rising day by day. This has led to use of underground water by digging mechanical bore wells which are fast replacing traditional wells. With water level deepening due to unhindered extraction of water, surpassing the recharge rate, such bore wells are getting deeper day by day. This has given rise to the phenomena of infants and children falling into such bore wells.

NDRF teams have responded successfully to various Bore well / well rescue incidents. The details of operations carried by NDRF are as attached Appendix- 'F'. Response to such incident is completed in five phases viz.

- i. Preparedness Phase
- ii. Activation and Mobilization Phase
- iii. Operation Phase
- iv. Deactivation and Demobilization phase
- v. Post Operation Phase

12.8.1 Preparedness phase:

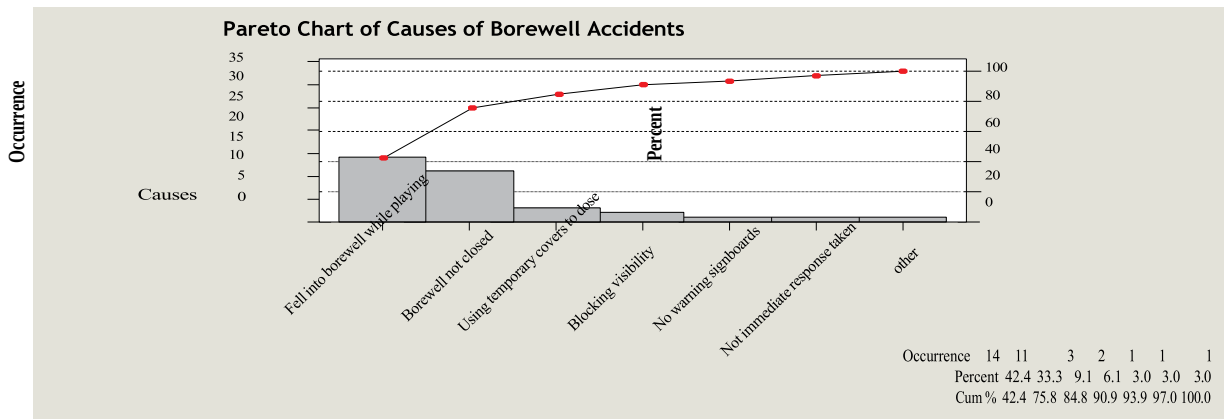
Following preparation level is expected from all the battalions of NDRF at any given time for launching bore well incident response.

- i. Training of rescuers regarding bore well rescue equipment.
- ii. Practices of different methods and approaches in different situation/work site.
- iii. Practices of vertical and horizontal shoring of vertical wall of ditch
- iv. Community Awareness- Pre-Bore well incident preparedness also includes awareness programmes for community. These programmes are conducted to focus on creating an awareness among the community. Keeping in view that Bore well incidents are increasing in various parts of the country, all NDRF units have been directed that while conducting various community awareness programmes, our teams should also spread awareness about Bore well and safety measures to be taken to avoid recurrence of such incidents. During the awareness, the villagers are advised to take following safety measures:-

- The simplest solution is to seal the mouth of the hole the moment it is not in use.
- Erection of barbed wire fencing or any other suitable barrier around the Bore well.
- Placing a big flat stone to cover the hole of Bore well or construction of cement/concrete platform
- Capping of well assembly by welding steel plate
- In case of pump repair, the tub well should not be left uncovered
- Filling of mud pits and channels after completion of construction/repair work
- Filling of abandoned bore well by clay/sand/boulders/pbbles/drill cuttings etc. from bottom to ground level. Do's and Don'ts for the bore well incident are attached as Appendix 'G'
- Guidelines regarding bore well safety measures by Supreme court are attached as Appendix 'H'

In addition to above, to prepare ourselves, it is also necessary to discuss various aspects about borewell incidents in detail:

Main Causes of Bore well Accidents:



Bore well- Death Trap

- Unus6d Bor6 w6ll ar6 k6pt op6n
- Childr6n of diff6r6nt ag6 w6nt around du6 to curiosity
- Childr6n falling in th6 bor6 w6ll
- Confin6d spac6
- Hypoxia, unavailability of wat6r and food

Classification of Bore well

Bore wells are also classified according to yield as under:

1. High Capacity Bore well (HCB) : Bore wells of casing pipe diameter 10 or 12 inches and depth >80m with design yield in the range of 20,000 gph to 45,000 gph.
2. Medium Capacity Bore well (MCB) : Bore wells of casing pipe diameter 8 inches and depth >80m with design yield in the range of 10,000 gph to 20,000 gph.
3. Low Capacity Bore well (LCB) : Bore wells of casing pipe diameter 6 inches and depth 30m to 50m with design yield in the range of 1500 gph to 5,000 gph.

Types of Bore well

Distinguished by the diameter of the bore hole.

Bore wells

Low yi6lding groundwat6r sourc6s ar6 found relatively close to the surface, usually under 30 m (100 ft)

Bor6 w6lls ar6 construct6d using a rotary buck6t aug6r.

Usually, compl6t6d by p6rforating th6 casing or using a sand screen with continuous slot openings.

One advantage of bor6d w6lls is th6 larg6 diam6t6r of th6 casing, from 450-900 mm which provides a water storage reservoir for use during peak demand periods.

A disadvantage is of utilizing a shallow groundwater aquif6r and wat6r shortages may occur following long dry periods in summer. It is also more susceptible to contamination from surface land-use activities.

Drilled wells

- Small6r in diam6t6r, usually ranging from 100-200 mm,
- Gr6at6r d6pths than bor6d w6lls, up to s6v6ral hundr6d m6t6rs.
- Th6 producing aquif6r is g6n6rally l6ss susc6ptibl6 to pollution from surface sources because of the depth.
- Also, th6 wat6r supply t6nds to b6 mor6 r6liabl6 sinc6 it is l6ss aff6ct6d by seasonal weather patterns.

Most commonly used types of drilling methods

- Water Jetting - Shallow bores in alluvial formations
- Augur Drilling - Shallow bores in alluvial formations
- Calyx Drilling - Shallow bore wells in both hard rock and alluvial formation
- Percussion Drilling – Deep bores in boulder formation
- Rotary Drilling - Most common method used for drilling large and deep bores in alluvial formations.
- Down the Hole Hammering (DTH) Drilling – Most common method for drilling large and deep Bore well in hard rock formations.

Challenges in bore well rescue:

- Tender and small age of victims
- Remoteness of bore well locations
- Lack of supportive infrastructure
- Confined space
- Low visibility
- Law and order issues
- Operation against time
- Weather condition
- Fallen derbies on child during rescue.
- Lack of immediate oxygen supply.

Rescue Methods/Techniques:

- As of now there is no scientific or reliable method is available, only manual rescue method is used to save the child fell into the bore well, where a big hole is dug beside the bore well to the depth of the child stuck. But this process
- requires large amount of human resources such as rescuers, heavy machinery such as tractors, JCBs etc., even if there is a little delay in accumulating these resources reduces the chances of the child being saved alive. If in case there is a huge rock at certain depth in a bore hole results in re-initiation of whole process. This process consumes more time, in such cases the chances of saving child alive is very less. If the child is closer to the surface a rescuer gets in and pulls them out. However, if the child has fallen to greater depths, a camera is sent into the hole and then a parallel bore is dug. From there another horizontal bore is dug. Quiet often the rescue succeeds but not always. A lot of Geology is involved and rescue plans must be fast and precise. But even with the best geophysical instruments, it is not easy to estimate the type and size of rock that blocks access to the point where the child is stuck. Moreover, drilling through rock can make the entire Bore well collapse.

- As on date the simplest solution should be to seal all the holes the moment they are not used. Sadly, this negligence and ineptitude devours a child.

- Bore Well Rescue Techniques:

- Vertical and Horizontal drilling:- In this method a parallel hole is dug adjacent to the bore well depending on geology of the area and once the vertical digging reaches the depth at which the child is stuck a horizontal hole is drilled to reach the child and before reaching near stuck child and cover the bore well hole through pointed Iron rod or wood beneath the child. To ensure that less time is wasted in horizontal drilling, the vertical hole drilling should always be planned in a manner that it is slanting towards the bore-well, instead of being perpendicular to earth and parallel to the bore-well. This makes it easier to extricate the child by reaching about 3 feet underneath the child at a distance of 1-2 feet from bore-well. This saves a lot of time in horizontal drilling and subsequent earth removal. This requires proper centering while drilling to ensure that we at exact place where the child is stuck.

- This is just suggestion based on the successful operations conducted by NDRF in the past. However, this is not sacrosanct and drilling technique may be adopted as per the ground reality and the depth where victim is trapped. The success of such operations also depends on the nature of soil and rock structure.

- Techniques adopted by NDRF:-
- Based on the past experiences by NDRF teams, some of the techniques adopted during such incidents may be one or combination of the following techniques:-
- Rope rescue
- Magic ball
- Umbrella tool
- Cloth bucket
- Cameras (with LED Light along with minimum 100 ft. wire and display)
- a. Pendant jhula
- b. Robotic machine(with camera & audio)
- c. Iron Rod in “L/J/U” shape (Dada ji ki chhadi with Iron Rod)
- d. Aluminum wire with hook
- e. Life Jacket of plastic sheet with wire

12.8.2 Activation and mobilization phase:

- f. After receiving of information or call for help from the authenticated source this phase activates. Team has to obtain all

information about incident through control room/ops officer in charge:
 Incident type, place, date and time.
 Depth and dia of bore well and location of trapped victim.
 Nature of soil (Rocky, Sandy or soft soil etc.)
 Incident site condition, whether confined or in open area, in case of confined area nearby adjacent houses and its distance from incident site.
 Availability of heavy equipment like JCB, Pokeland for digging.
 Availability of ambulanc6, doctors, oxyg6n cylind6r oxyg6n flow pip6.
 Any other agency involved.
 Availability of lighting facilities.

On the basis of above information team will pack/load additional required equipment like shoring materials, Iron plate, Wooden sheet & Iron pole etc. Team comdr should be in constant touch with civil administration for latest on site development.

12.8.3 Bore well Rescue Operations phase: On arrival at the incident site,

- Team shall establish base of operation & secure the scene.
 Consult with local authorities and gather all required info/data.
 Team comdr will assess the situation/condition of victim, availability of heavy equipment, depth at which victim trapped.
 Officer in charge/team commander will assess the nature and condition of soil with the help of irrigation department specialist/engineers.

In case of confined space, officer in charge/team commander will also evaluate the condition of adjacent building/construction with the help of civil engineer and representative of civil administration before execution of approach strategy to trapped victim.

- i. Additional requirement of shoring material.
- ii. Additional requirement of equipment.
- iii. On site availability of medical staff ambulance etc.
- iv. Confirm and update all info obtained in the activation/mobilization phase.
- v. Make/fix strategic, planning and priorities to approach and safe evacuation of victim.
- vi. Assign tasks to rescue squad.
- vii. Reassess the situation and make necessary adjustments.
- viii. Keep providing psychological support to victim as well as the family members.
- ix. If the victim is conscious, seek his help to pull with improvised equipment (Loops, Rice Ball etc.)

- x. Gain access to the victim by break/breach/dig or any other way as accordance with situation.
- xi. When using parallel digging method, safety precautions for the rescuers must be ensured.
- xii. Make sure that the endeavor of approach, the walls of borewell do not collapse and remain intact, parallel digging should be far enough in case of loose soil.
- xiii. When the pipe of the bore well has already been removed do not use improvised rescue umbrella, the sticks may get hooked with the bore well wall.
- xiv. Extricate and stabilize the victim, provide ventilation.
- xv. Send the victim for higher medical care immediately.

12.8.4 De-Activation Phase :

- xvi. The clearance from State and districts must be taken after termination of Ops.
- xvii. Request administration for early filling of dug earth.
- xviii. The Bns shall collect feedback, needs improvement and make brief report for submission to NDRF HQ within 15 days after termination of operations.
- xix. The Bn shall thoroughly check all TEAs used during Ops and report of breakage/ loss/theft and malfunction shall be brought to the notice of NDRF HQ.
- xx. The Chief Medical Officer shall ensure to conduct medical examination of all the rescuers after arrival from the operational area and shall give prescription and shall take action, as required.
- xxi. Bns shall conduct Post Trauma Stress Disorder (PTSD) and stress related classes on regular basis of Bn People. Where required help of the psychiatrics shall be taken from the nearest medical authorities.

12.8.5 Post Operation Phase:

A suggested format for submitting the post operation report is attached as Appendix 'E'. During this phase.

- De-briefing should be done.
- Check TEAs thoroughly.
- Lesson learnt and things to improve.
- Proper documentation should be done.
- Case study must be prepared.

12.9 ADMINISTRATION AND LOGISTIC ARRANGEMENTS

- The unit Commandant, DC(Ops) and other supervisory officers will coordinate the administrative and logistic arrangements with the distt. Administration and other stakeholders, even before the team reaches the site.
- Any additional requirements of equipment and stores has to be coordinated in advance.
- Timely replenishment of essential stores be arranged so that the rescue efforts continue non-stop.

12.9.1 Equipment, Tools, Communication stores & other misc. stores:

The equipment, tools, communication stores and other misc stores which are required to be carried by a SAR teams are suggested at Appdx 'A'.

12.9.2 List of personal belongings of responders:

The personal belongings which are required to be carried by the members of the SAR Team members is suggested at Appdx 'D'.

12.9.3 Media Management:

Media and other people who do not have a direct role in the rescue work should be kept at a safe distance. Periodical briefing by the incident commander/team commandr can b6 don6 to maintain th6 flow of information. However, it should be ensured that such information is restricted strictly to ongoing/concluded rescue efforts only.

9.1 Following points should be kept in mind by the SAR team members in the mind:

- a) Always wear PPE during Operation.



- b) Work in Buddies.
- c) Always follow safety instructions.
- d) Drink plenty of water
- e) Be optimistic and have patient.
- f) Work professionally.
- g) Update the teams and squads about incident response.
- h) Follow local protocol.
- i) Follow the SOP.
- j) Victims and bystanders.
- k) Handle equipment with safety and follow manuals.
- l) Behave gently.
- m) Share your plan of rescue with team members.
- n) Convey frequently what is going on and the next step.

12.10 CONCLUSION:

This SOP has been prepared with the objective that all the required and approved procedures are followed in the rescue operations and all the processes and activities continue uninterruptedly and simultaneously so that the entire tasks are completed in prescribed schedule. This SOP also aims at fixation of accountability at all the stages. Efforts have been made to make this SOP exhaustive. In case of any ambiguity and for more clarifications of instructions on any issue, the Unit shall issue separate orders and instructions. This SOP shall be revised regularly as and when the procedures mentioned here are reviewed or becomes obsolete with time.

Appendix- A

CHECK LIST OF MINIMUM ITEMS WHICH SHALL BE CARRIED BY A TEAM WHEN MOVING FOR RESCUE OPERATIONS IN THE BORE WELL INCIDENT.

The list mentioned below is just indicative. Team may carry equipment as per the requirement and ground reality. Unit may add or exclude any equipment which they feel appropriate: -

S. No.	EQUIPMENTS	QUANTITY
A.	Bore well Rescue Equipment's	
1.	Life Detector Type-I & II with Sufficient Wire	As per requirement
2.	Victim location equipment and Breaching System	As per requirement
3.	Video Camera with Accessories	As per requirement
4.	Thermal Imaging Camera	As per requirement
5.	Inflatable Lighting Towel	As per requirement
6.	Portable Generator 5.5 KVA	As per requirement
7.	Portable Generator 2.2 KVA	01 Nos.
8.	Rope Rescue	As per requirement
9.	Magic Ball	01 Nos.
10.	Umbrella Tool	01 Nos.
11.	Cloth Bucket	01 Nos.
12.	Cameras (with LED Light along with minimum 100 ft. Wire and display)	01 Nos.
13.	Pendant Jhula	01 Nos.
14.	"L, J & U" Type Hook with Extension Rod (10x5 ft.)	As per requirement
15.	Aluminum Wire with Hook	As per requirement
16.	Life Jacket of Plastic Sheet with Wire	As per requirement
17.	Chipping Hammer	As per requirement
18.	Rotary Hammer Drill Machine	As per requirement
19.	Ladder	01 Nos.
20.	Come a Long	01 Nos.
21.	Pointed Iron Rod	05 Nos
22.	Plastic Sheets	As per requirement
23.	Mats (Dari) with Round Hole	Minimum 02 Nos.
B.	MFR Equipment	
1.	PPE	All Rescuers
2.	Stethoscope (Lit Man/Tyco/Welch)	01
3.	B P Apparatus Digital	01
4.	B P Apparatus Mercury	01
5.	Oxygen Cylinder 680 (Oxidized) Light Weight Oxygen Cylinder with minimum 150 ft. Oxygen Passing Pipe.	02
6.	Thermometer Digital	04
7.	Otoscope and Nasal Speculum	01
8.	Torch	04
9.	Pen Light	02
10.	Laryngoscope	02
11.	Tongue-Depressor	02
12.	Cervical Collar (Regular Short)	06
13.	Splints (Pneumatic, Flexible)	04
14.	Dressing Gauze	12
15.	Dressing Abdominal	02
16.	Dressing Multi Trauma	10
17.	Sponge Sterile	30
18.	Cotton Bundle	06
19.	Bandage Kling 6"	30

20.	Bandage Kling 3"	30
21.	Bandage Triangular 40"X 40"	30
22.	Bandage Elastics 3"	06
23.	Bandage Elastics 6"	06
24.	Cup Paper	10
25.	Surgical Tape	06
26.	Hand Towel	04
27.	CPR Mask	05
28.	Bag Valve Mask Adult (Silicon, Stem Autoclavable)	02
29.	Bag Valve Mask Child (Silicon)	02
30.	Bag Valve Mask Infant (Silicon)	02
31.	Sterilizing Drum	01
32.	Suction Unit with Accessories (Manual)	01
33.	Foldable Stretcher/Spine Board with Accessories	03
34.	Expendable Medicines /Surgical /Lab items	As per Auth
35.	MFR Kit Bag with Medicine	01
36.	MFR Box	01
37.	R6fl6x Hamm6r	01
38.	Glucometer	01
39.	Emergency Tray with Lid SS	01
40.	Tray with Lid SS	02
41.	Scissors Sharp	02
42.	Scissors Tissue Cutting	01
43.	Scissors Suture Cutting	02
44.	Artery Forceps Straight	04
45.	Artery Forceps Curved	06
46.	Sponge Holding Forceps	04
47.	Cheatles Forceps	01
48.	Sinus Forceps	01
49.	Basin Stainless Steel (Large)	01
50.	Basin Stainless Steel (Medium)	02
51.	Kidney Tray SS	02
52.	Urine Cane SS	02
53.	Bawl Cane SS Small	01
54.	BP Handle	03
55.	R6fl6x Hamm6r	01
56.	Expendable Medicines/Surgical / Lab Items	01
57.	Tissu Holding Forceps	06
C.	Miscellaneous Items	
1.	Tents Extendable	06 Nos
2.	Long Picket	10 Nos
3.	Short Picket	10 Nos
4.	Jerricane (20 ltr Plastic / Fiber)	10 Nos
5.	Water Filter (100 ltr)	01
6.	Kerosene Oil	50 Ltrs
7.	LPG Cylinder	04 Nos
8.	LPG Stove	02 Nos (1+1)
9.	Iron Cot Tin (Mini Hospital-02, Team Comdr-01)	07 Nos
10.	Folding Table	03 Nos
11.	Chair Plastics	06 Nos
12.	Scene Tape 100 mtrs	02 Nos
13.	Safety Cones	05 Nos
14.	Safety Vest	05 Nos
15.	Loud Hailer	02 Nos
16.	Crow Bar	04 Nos

17.	Pry Bar 6'	02 Nos
18.	Bolt Cutter (24" & 30")	02 Nos
19.	Hack Saw	01 No
20.	Carpenter Saw	01 No
21.	Saw for Cutting Wooden Log	01 No
22.	Hammer (Small, Medium, Large)	03 Nos
23.	Pick Mattock	04 Nos
24.	Shovel	04 Nos
25.	Spade	04 Nos
26.	Dah	02 Nos
27.	HHSL with Charger	02 Nos
28.	Head Light	06 Nos
29.	Safety Torch	25 Nos
30.	Working Lamp	04 Nos
31.	Inflatable Lightening Tower	01 No
32.	Extension Cord	04 Nos
33.	Sand Bags	1500 Nos
34.	GPS	01 No
35.	Multi Cable Winch	01 No
36.	Canvas Water Tank 200 Ltrs	02 Nos
37.	Tarpaulin	04 Nos
38.	Buckets	06 Nos
39.	Digital Camera	01 No
40.	Generator Lubricant Engine Oil	02 ltr
41.	Khurpi/Rake	As per requirement
D.	Communication Equipment	
1.	Inmarsat	01 No (with Assys)
2.	Tx/ Rx HF 15 Watt	01 No (with Assys)
3.	UHF/VHF - 20 W	01 No (with Assys)
4.	H/Held Radio Set 1-4 W (VHF)	13 Nos (with Assys)
5.	Nimh Btys	26 Nos
6.	Nimh Bty Charger	06 Nos
7.	Secy Btys 12 V	04 Nos
8.	Main Bty Charger	01 No
9.	Portable Gen Set	01 No (with sufficient POL)
10.	Tubular Mast 36 ft	01 No
11.	Electric Ext. Board	01 No
12.	Qda Set	01 No
E.	Ordnance stores (For security personnel)	
1.	INSAS Rifl	04 Nos.
2.	Magazines	12 Nos.
3.	Ammunition	240 Rounds
F.	MT Vehicles	
1.	Light Vehicle	01
2.	Medium Vehicle	04 OR (Heavy bus= 01, Heavy veh= 01, Medium veh= 01)

Appendix- B

CHECK LIST OF MINIMUM DRY RATION ITEMS WHICH SHALL BE CARRIED BY A TEAM WHEN MOVING FOR RESCUE OPERATIONS

The list mentioned below is just indicative and team may carry ration items as per requirement, distance involved and mode of transport. Unit may add or exclude any item which they feel appropriate.

S. No.	EQUIPMENTS	QUANTITY
1.	Atta (Flour)	270.000
2.	Rice	149.000
3.	Refined Oil	61.000
4.	Sugar	41.000
5.	Tea	05.000
6.	Dal (Pulses)	61.000
7.	White Chana	02.000
8.	Kala Chana	03.000
9.	Mirch Powder	03.000
10.	Imli	02.000
11.	Haldi Powder	02.000
12.	Sambar Masala	02 Pkt
13.	Papad	10 Pkt
14.	Kismis	01.000
15.	Khopra	01.000
16.	Milk Powder	10.000
17.	Nutry	05.000
18.	Besan	05.000
19.	Salt Semiyan	14.000
20.	Achar	20 Pkt
21.	Sujee	05.000
22.	Dhaniya Powder	02.000
23.	Green Matar	02.000
24.	Meat Masala	03 Pkt
25.	Kasturi Methi	02 Pkt
26.	Garam Masala	03 Pkt
27.	Mungfali	02.000
28.	Maida	05.000
29.	Zeera	01.000

Appendix- C

CHECK LIST OF MINIMUM UTENSILS AND COOK HOUSE STORES WHICH SHALL BE CARRIED BY A TEAM WHEN MOVING FOR RESCUE OPERATIONS

The list mentioned below is just indicative and team may carry utensils and cook house stores as per requirement. Unit may add or exclude any store which they feel appropriate.

S. No.	EQUIPMENTS	QUANTITY
1.	Tiffin Carrier	02
2.	Cooker (15 Ltr)	01
3.	Ketli (Big)	01
4.	Jharna	01
5.	Parat (Aluminium)	01
6.	Parila (All Size with Lead)	03
7.	Bucket (Iron)	03
8.	Bucket (Steel)	01
9.	Tawa (Iron)	01
10.	Chakla Belna Set	01
11.	Gas Bhatti	01
12.	Gas Chulha for Chapati	01
13.	Gas Cylinder	04
14.	Karchi (Steel)	03
15.	Tea Dallu	01
16.	Tea Container	01
17.	Karahi (Iron)	01
18.	Sintex (or Water Tank (500 Ltr)	01
19.	Chapati Jali Box	01
20.	Rice Spoon	01
21.	Fry Pan	01
22.	Table (Plastic)	01
23.	Chairs (Plastic)	06
24.	Crockery Set	01
25.	Mug (Plastic)	02
26.	Glasses	06
27.	Hot Case	01
28.	Thermos (Steel)	01
29.	Steel Plates	05
30.	Steel Glasses	05
32.	Steel Katori	05
32.	Steel Spoon (Small)	05
33.	Tray	01
34.	Knife	02
35.	Palta (Iron)	01
36.	Vegetable Tray	03
37.	Jug (Steel)	01
38.	Filter (100 Ltr)	01
39.	Harricane Lamp	03

Appendix-D

LIST OF PERSONAL BELONGINGS OF NDRF RESPONDERS

The list mentioned below is just indicative and team members may carry personal belongings as per requirement, weather conditions and ground reality. Unit may add or exclude any item which they feel appropriate.

S. NO	ITEMS	QUANTITY	REMARKS
1.	NDRF Uniform (With Shoes)	1 Set	
2.	Rescue Uniform (With Shoes)	1 Set	
3.	P.t Dress Complete	2 Sets	
4.	Raincoat/Water Proof Jackets	1 No.	
5.	Slippers	1 Pair	
6.	Undergarments	4 Sets	
7.	Civil Dress/Shoes	2 Sets	
8.	Track Suit	1 Set	
9.	Torch With Battery	1 Nos	
10.	Shaving Set Complete		
11.	Ruck Sack/Trolley Bag/Suit Case	1 No.	
12.	Bed Roll (Naka Style Bedding and Polythene Wrapped Bed Rolls not permitted) as per climate	1 Set	
13.	Whistle	1 Set	
14.	Self Sufficient Amount/ATM Card		
15.	Soaps and Shampoos	2 Sets	
16.	Socks	3 Pair	
17.	Dry Fruits/(for Self)		
18.	Mosquito Net	1 No.	
19.	I Card And Mobile		

Appendix- E

POST OPERATION REPORT (POR)

A Post Mission Report, in the format given below, is to be completed and submitted to the Commandant, BN, NDRF immediately on arrival from a mission. The same has to be submitted to NDRF HQrs:-

SUGGESTED PROFORMA:

1. Team Name:
2. Details of Mission (duration, area, purpose, provider of information etc.):
3. Preparation Done:
4. Type of Move:
5. Mobilization:
6. Strength:
7. Stores Carried:
8. Details of Vehicles:
9. Coordination with Civil Authorities:
10. Topographical Information:
11. Map Details:
12. Any other information:
13. Cooperation with Other Teams:
14. Base of Operation:
15. Team Management:
16. Search / Rescue /Medical:
17. Work Done:
18. Demobilization:
19. Lesson Learnt:
20. Shortcomings Found:
21. Photographs and Details (Computer file No):
22. Contact Details:
23. Suggestions /recommendations, if any:

Appendix- F

BORE WELL/WELL RESCUE OPERATIONS CARRIED BY NDRF

NDRF has successfully conducted 37 operations across the country in which 15 victims were rescued alive and 16 dead bodies retrieved. The details of some operations in which NDRF teams rescued victim alive are as under: -

- i. On 31/11/14 at Vill-Neemgaon, Teh-Sri Rampur, Distt-Ahmednagar where a 18 month old kid named Vishal Nikam was rescued alive.
- ii. On 23/1/14 in Vill- Takalihaji, Teh-Shirur, Distt-Pune, where a 02-year-old child namely Subham Vilas More was rescued alive.
- iii. On 05/08/2015 in vill- Malsirus (Hamlet - Lolewadi) Teh-Purandar, Distt. -Pune, where a 2½ year old child namely Soham Rahul Yadav was rescued alive.
- iv. On 25.04.2016, a 02 years old child namely Fulki, D/o Dev Singh Vill- Ghanshyamgarh, Tehsil-Dhaeandra, Distt-Surendranagar, (Gujarat) trapped into bore well and rescued the alive.
- v. On 30.04.2016 at Tehsil- Shirur, Distt- Pune, MH a child fallen into Bore well was rescued alive.
- vi. On 15.08.2017, at Distt.-Guntur, Andhra Pradesh, a 02 years old child fallen into Bore well was rescued alive.
- vii. On 14.11.2017, Vill- Raniyala Malwana, Distt.-Sawai Madhopur, Rajasthan where a 03 years old girl child fallen into Bore well and rescued alive.
- viii. On 01st August, 2018, a 03 years girl fell down into a bore well at District Munger, Bihar and rescued alive.

STATE WISE SUMMARY OF BORE-WELL INCIDENTS

State	No. of Ops	Rescued/Evacuated	Dead bodies Retrieved
Maharashtra	10	07	01
Tamil Nadu	03	0	03
Rajasthan	09	04	04
Karnataka	03	0	03
Gujarat	04	01	02
Telanagana	02	0	01
Uttar Pradesh	03	01	01
Madhya Pradesh	01	0	01
Andhra Pradesh	01	01	0
Bihar	01	01	0
Total	37	15	16

Appendix- G

MEASURES BEFORE BORE WELL INCIDENT

Do's

- The owner of the land/premises, before taking any steps for construction bore well/tube well must inform in writing at least 15 days in advance to the concerned authorities in the area.
- Registration of all the drilling agencies, viz., Govt./Semi Govt./Private etc. should be mandatory with the district administration or Statutory Authority wherever applicable.
- Erection of signboard at the time of construction near the well is mandatory. The following details should be included on the signboard:- (a) Complete address of the drilling agency at the time of construction/rehabilitation of well. (b) Complete address of the user agency/owner of the well.
- Erection of barbed wire fencing or any other suitable barrier around the well during construction.
- Construction of cement/concrete platform measuring 0.50x0.50x0.60 meter (0.30 meter above ground level and 0.30 meter below ground level) around the well casing.
- Capping of well assembly by welding steel plate or by providing a strong cap to be fixed to the casing pipe with bolts and nuts.
- In case of pump repair, the tube well should not be left uncovered.
- Filling of mud pits and channels after completion of works.
- Filling up abandoned bore wells by clay/sand/boulders/pebbles/drill cuttings etc. from bottom to ground level.
- On completion of the drilling operations at a particular location, the ground conditions are to be restored as before the start of drilling.
- District Collector should be empowered to verify that the above guidelines are being followed and proper monitoring check about the status of boreholes/tube wells are being taken care through the concerned State/Central Government agencies.
- District/Block/Village wise status of bore wells/tube wells drilled. In the rural areas monitoring of these should be done through village Sarpanch and the Executive from the Agriculture Department. In case of urban areas, the monitoring should be done through Junior Engineer and the Executive from the concerned Department of Ground Water or Public Health or Municipal Corporation.
- If a bore well/tube well is 'Abandoned' at any stage, a certificate from the concerned department of Ground Water/Public health/Municipal Corporation/Private contractor must be obtained by these agencies.
- Information on all such data on the above are to be maintained in the District Collector/Block Development Office of the State.

MEASURES AFTER BORE WELL INCIDENT

- Secure the scene by cordoning the bore well to avoid any unwanted objects falling into the bore well and causing harm to the child and thus hamper the rescuing efforts.
- Cordon the affected area and control unnecessary movements/crowd gathering near the bore well.
- Try to stabilize the victim, if possible, with the help of rope.
- Make arrangements for supplying of oxygen to the child with the help of pipe.
- Arrangement of sufficient lights in the area for the night operation.
- Immediately contact the nearby NDRF Unit.
- As per the direction of NDRF unit, start digging earth vertically and parallel to the depth of bore well at the sufficient distance from the bore well or as directed by the NDRF.
- Keep motivating the victim by regular talking of parents or relatives.
- District medical officer should be made aware about the compartment compression syndrome and action to be taken in such cases.

Don'ts

- Don't leave the tube well/bore well uncovered after repair/daily work done.
- Do not throw any food article or pour water in the Bore well.
- Do not allow underground water seepage in bore well.
- Do not allow heavy machines to work at full power to avoid heavy vibration which may result in loosening of surrounding soils and collapse of the bore well.
- Do not allow crowd to gather around the incident site.

Appendix- H

GUIDELINES REGARDING BORE WELL SAFETY MEASURES BY SUPREME COURT:

- Safety measures/guidelines as given in the Order dated 11.02.2010 of Hon'ble Supreme Court is to be observed by all the States: -
 - The owner of the land/premises, before taking any steps for construction bore well/tube well must inform in writing at least 15 days in advance to the concerned authorities in the area, i.e., District Collector/District Magistrate/Sarpanch of the Gram Panchayat/ Concerned officers of the Department of Ground Water/ Public Health/Municipal Corporation, as the case may be, about the construction of bore well/tube well.
 - Registration of all the drilling agencies, viz., Govt./Semi Govt./Private etc. should be mandatory with the district administration.
 - Erection of signboard at the time of construction near the well with the following details:-(a) Complete address of the drilling agency at the time of construction/ rehabilitation of well. (b) Complete address of the user agency/owner of the well.
 - Erection of barbed wire fencing or any other suitable barrier around the well during construction.
 - Construction of cement/concrete platform measuring 0.50x0.50x0.60 meter (0.30 meter above ground level and 0.30 meter below ground level) around the well casing.
 - Capping of well assembly by welding steel plate or by providing a strong cap to be fixed to the casing pipe with bolts and nuts.
 - In case of pump repair, the tube well should not be left uncovered.
 - Filling of mud pits and channels after completion of works.
 - Filling up abandoned Bore wells by clay/sand/boulders/pebbles/drill cuttings etc. from bottom to ground level.
 - On completion of the drilling operations at a particular location, the ground conditions are to be restored as before the start of drilling.
 - District Collector should be empowered to verify that the above guidelines are being followed and proper monitoring check about the status of boreholes/tube-wells are being taken care through the concerned State/Central Government agencies.
 - District/Block/Village wise status of bore wells/tube-wells drilled viz. No. of wells in use, No. of abandoned bore wells/tube wells found open, No. of abandoned Bore wells/tube wells properly filled up to ground level and balance number of abandoned Bore wells/tube-wells to be filled up to ground level is to be maintained at District Level. In rural areas, the monitoring of the above is to be done through village Sarpanch and the Executive from the Agriculture Department.

If a Bore well/tube-well is 'Abandoned' at any stage, a certificate from the concerned department of Ground Water/Public health/Municipal Corporation/Private contractor etc. must be obtained by the aforesaid agencies that the 'Abandoned' Bore well/tube- well is properly filled up-to the ground level. Random inspection of the abandoned wells is also to be done by the Executive of the concern agency/department. Information on all such data on the above are to be maintained in the District Collector/Block Development Office of the State.





Annexures



Flood affected villages by Narmada River
Annex.-A1 Ankleshwar Taluka

Sr. No.	Village Name	Population	Live stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Holds	Drinking Water Facility	Electricity
1	Juna Chhapra	1335	110	Primary School	Talati cum Mantri	9033318270	256	287	Yes	Yes
2	JunaHaripura	1470	284	Nava HariPura Primary School	Talati cum Mantri	9173470476	652	338	Yes	Yes
3	Mandwa	3851	50	Primary School/Community Hall Mandwa	Talati cum Mantri	9824734548	250	851	Yes	Yes
4	Taria/ Tariya bavli	3474	295	Primary School Vadava	Talati cum Mantri	7203061917	125	708	Yes	Yes
5	Juna Borbhatha Bet	4680	2000	Primary School	Talati cum Mantri	7574821166	235	996	Yes	Yes
6	Juna Diva	5584	1300	Bhathiji Satsang Hall	Talati cum Mantri	7046912100,	252	1192	Yes	Yes
7	Divi	125	250	Primary School	Talati cum Mantri	6355054767	258	581	Yes	Yes
8	Juna Bor Bhatha Gam	1176	300	Jalaram Temple	Talati cum Mantri	6354384099	254	252	Yes	Yes
9	Sarfuddin	416	350	Jalaram Temple	Talati cum Mantri	6354384099	125	82	Yes	Yes
10	JunaPungam	2017	205	Primary School Nava Pungam	Talati cum Mantri	9662108760	125	448	Yes	Yes
11	Juna Sakkarpor / Khalapiya	2935	1600	Jonwala Highschool Ankleshwar	Talati cum Mantri	9428586009	425	580	Yes	Yes
12	Juna Kasiya	3686	989	Nava Kaiya & Primary School	Talati cum Mantri	9374606383	253	755	Yes	Yes
13	Dhaturiya/ Koyali	4717	1882	Primary School /Nava Dhanturiya	Talati cum Mantri	8866524607	258	993	Yes	Yes

Annex.-A2 Bharuch Taluka

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Hold	Drinking Water Facility	Electricity
1	Dasan Dasan Bet	963	339	Primary School	Talati cum Mantri	9173493814	440	193	Yes	Yes
2	Mangleshwar Kabirwad bet	1938	202	Community hall, primary school.	Talati cum Mantri	9033858572	800	393	Yes	Yes
3	Jhanor	7251	1825	Primary School (boys & Girls)	Talati cum Mantri	8160619243	500	1622	Yes	Yes
4	Nava Tavera	6588	3622	Primary School High school	Talati cum Mantri	7698925232	500	1366	Yes	Yes
5	Angareswar	1846	666	Primary School Community hall	Talati cum Mantri	9824947881	520	398	Yes	Yes
6	Nikora	4563	1772	Primary School High school	Talati cum Mantri	7777949459	630	955	Yes	Yes
7	Sukaltirth	7502	2500	Primary School	Talati cum Mantri	96620 42351	900	1582	Yes	Yes
8	kelod	465	335	Nava Sukaltirth Sukaltirth	Talati cum Mantri	9714819792	600	80	Yes	Yes
9	Mangleshvar	1938	202	Community Hall Primary School	Talati cum Mantri	9033858532	250	393	Yes	Yes
10	Sindhot	963	154	Primary School	Talati cum Mantri	9427683388	-	208	Yes	Yes
11	Vadava	610	6360	Primary School	Talati cum Mantri	9825472533	350	114	Yes	Yes
12	Karjan	1350	580	Primary School	Talati cum Mantri	8511568857	200	287	Yes	Yes

Annex.-A3 Jhagadia Taluka

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House hold	Drinking Water Facility	Electricity
1	Patar	56	54	Bhalod high school	Talati cum Mantri	9712087440	300	13	Yes	Yes
2	Juni Tarsali	2691	497	Bhalod village highschool.	Talati cum Mantri	9909325238	300	438	Yes	Yes
3	Juna Tothidra	510	270	Bhalod village high school	Talati cum Mantri	9924073481	350	108	Yes	Yes
4	Bhalod	3476	171	Bhalod high school	Talati cum Mantri	8306232334	300	789	Yes	Yes
5	Kakalpor	613	10	High area.	Talati cum Mantri	9924040217	200	129	Yes	No
6	Sarsad	1024	10	High area	Talati cum Mantri	9924040217	200	216	Yes	No
7	Krushnapuri	625	10	High area	Talati cum Mantri	7069982315	200	141	Yes	No
8	Limodra	2314	55	Hanumanji temple, jhagadia.	Talati cum Mantri	9714377538	500	470	Yes	Yes
9	Uchadia	2438	48	Gumandevtempel.	Talati cum Mantri	9099140658/ 8866461483	400	538	Yes	Yes
10	Govali bet	4389	490	Own villages.	Talati cum Mantri	9904232910	50	994	No	No
11	jhagadia	34	0	Hanumanji temple, jhagadia.	Talati cum Mantri	9879485583	250	NA	Yes	Yes
12	Mota vasana	599	250	High area	Talati cum Mantri	9712806341	300	130	No	No
13	Nana vasana	770	300	Primary school	Talati cum Mantri	7600932493	250	156	Yes	Yes

14	Ore	626	449	Bhalod village highschool	Talati cum Mantri	9712087440	200	137	Yes	Yes
15	Juna pora	209	80	Nava pora village	Talati cum Mantri	8460845957	500	41	Yes	Yes
16	Indor	2647	25	Primary school	Talati cum	8238819805	256	551	Yes	Yes
17	jarsad	681	25	Primary school	Talati cum Mantri	8866668232	350	145	Yes	Yes
18	Vadhvana	431	329	Primary school	Talati cum Mantri	7069982315	300	91	Yes	Yes
19	Velugam	1936	325	Primary school	Talati cum Mantri	7069982315	256	407	Yes	Yes
20	Panetha	3951	125	Primary school	Talati cum Mantri	7984065224	215	912	Yes	Yes
21	Vanakpor	2153	325	Primary school	Talati cum Mantri	8866668232	236	427	Yes	Yes

Ann.B Dhadhar Rivera Affected Villages:-Jambusar Taluka

S.No	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Number	Contact Number	Shelter Capacity	Details of House hold	Drinking Water Facility	Electricit y
1	Asarol	841	167	Primary school	Talati cum Mantri	8238427760	300	149	Yes	Yes
2	Kundhal	477	184	Primary school	Talati cum Mantri	9875152173	100	114	Yes	Yes
3	Bojadra	1621	1707	Primary School	Talati cum Mantri	7600929582	300	350	Yes	Yes
4	Nada	2697	796	Primary School	Talati cum Mantri	9913826443	500	612	Yes	Yes
5	Devla	4435	1378	Primary School	Talati cum Mantri	9428569444	450	897	Yes	Yes

6	Bhadkodaro	3612	504	High school	Talati cum Mantri	8849827394	350	623	Yes	Yes
7	Sigam	2551	1433	Primary School	Talati cum Mantri	8734806141	200	565	Yes	Yes
8	Muradpor Neja	560	150	Primary School	Talati cum Mantri	9426287737	175	141	Yes	Yes
9	Kavi	10428	2745	Primary School	Talati cum Mantri	9824763509	5000	2182	Yes	Yes
10	Jantran	2535	711	Primary School	Talati cum Mantri	9586939420	300	547	Yes	Yes
11	Madafar	1582	646	Primary School	Talati cum Mantri	7359900903	200	295	Yes	Yes
12	Tankari	1624	315	High school	Talati cum Mantri	8200060147	620	315	Yes	Yes
13	Khanpor Deh	4031	2156	Primary School	Talati cum Mantri	7778860154	250	748	Yes	Yes
14	Mahapara	519	303	Primary School	Talati cum Mantri	9875152173	120	108	Yes	Yes
15	Magnad	3613	1212	Primary School	Talati cum Mantri	7600929582	400	781	Yes	Yes
16	Jambusar(M)	43344	-	High school	-	-	600	8343	Yes	Yes
17	Koteshtar	813	200	Primary School	Talati cum Mantri	9327641631	200	172	Yes	Yes
18	Nobar	1819	256	Primary School	Talati cum Mantri	9726573753	125	389	Yes	Yes
19	Uber	3702	1418	Primary School	Talati cum Mantri	9978567547	250	830	Yes	Yes
20	Nondhana	1546	2561	Primary School	Talati cum Mantri	9726573753	254	370	Yes	Yes
21	Jafarpura	672	459	Primary School	Talati cum Mantri	9099955690	120	141	Yes	Yes
22	Kapuria	413	256	Primary School	Talati cum Mantri	8238427760	156	90	Yes	Yes

23	Malpur	1076	1055	Primary School	Talati cum Mantri	8734806141	500	182	Yes	Yes
24	Vad	468	586	Primary School	Talati cum Mantri	7096651734	258	100	Yes	Yes
25	Kora	1376	1017	Primary School	Talati cum Mantri	8849827394	250	299	Yes	Yes
26	Kava	1725	586	Primary School	Talati cum Mantri	9512949516	156	370	Yes	Yes
27	Umra	527	253	Primary School	Talati cum Mantri	9723825357	250	121	Yes	Yes
28	Anakhi	2783	908	Primary School	Talati cum Mantri	7984529969	20	619	Yes	Yes
29	Vahelam	809	256	Primary School	Talati cum Mantri	9909351737	210	183	Yes	Yes

Ann. B2 Amod Taluka

Sr. No.	Village Name	Population	Live stock	Safe Shelter	Name of Contact Number	Contact Number	Shelter Capacity	Details of House Hold	Drinking Water Facility	Electricity
1	Vasana	993	315	Primary School	Talati cum Mantri	7 9898811422	220	239	Yes	Yes
2	Manjola	972	535	Primary School	Talati cum Mantri	9714614641	240	206	Yes	Yes
3	Pursha (Kakariya)	2148	650	Primary School	Talati cum Mantri	9327830056 9327830056	256	471	Yes	Yes
4	Ikhar	6380	1840	Primary School	Talati cum Mantri	9427130912	251	1217	Yes	Yes
5	Danda	2156	580	Primary School	Talati cum Mantri	8160745357	241	458	Yes	Yes
6	Sarbhan	4296	260	Primary School	Talati cum Mantri	9099261262	200	998	Yes	Yes
7	Dadapor	826	462	Primary School	Talati cum Mantri	9328875812	201	197	Yes	Yes
8	Kobla	1152	3062	Primary School	Talati cum Mantri	9328875812	251	243	Yes	Yes
9	Amod(M)	785	974	Primary School		02641245837	125	16232	Yes	Yes

Ann. C1 Bhukhi Khadi Affected Villages Bharuch Taluka

Sr. No.	Village name	Population	Live Stock	Safe Shelter	Name of Contact Number	Contact Number	Shelter Capacity	Details of Household	Drinking Water Facility	Electricity
1	Segava	2780	1001	Highs School	Talati cum Mantri	7201003479	200	505	Yes	Yes
2	Varedia	2368	963	Primary School	Talati cum Mantri	7046767999	200	477	Yes	Yes
3	Manch	992	347	Primary School	Talati cum Mantri	8347391053	200	180	Yes	Yes
4	Kargat	698	436	Primary School	Talati cum Mantri	7041665587	100	145	Yes	Yes
5	Sitpon	4162	1123	Primary School	Talati cum Mantri	814168998198 98677010	200	794	Yes	Yes
6	Pariej	3998	1343	Primary School	Talati cum Mantri	8238753883	200	715	Yes	Yes
7	Pipalia	909	105	Swami Narayan Primary School	Talati cum Mantri	7984456169	250	309	Yes	Yes
8	Dayadra	4175	1262	Primary School	Talati cum Mantri	8866491297	200	755	Yes	Yes
9	Tralsi	680	378	Primary School	Talati cum Mantri	9054623502	50	151	Yes	Yes
10	Tralsa	2654	674	Primary School	Talati cum Mantri	7801980073	200	591	Yes	Yes
11	Kothi	2406	578	Primary School	Talati cum Mantri	9624104436	250	472	Yes	Yes
12	Kelod	1783	375	Primary School	Talati cum Mantri	9714819792	150	391	Yes	Yes
13	Derol	3065	540	Primary School	Talati cum Mantri	9825817238	265	619	Yes	Yes
14	Kahan	1809	570	Primary School	Talati cum Mantri	6352331972	325	324	Yes	Yes

Ann.-C2 Vagra Taluka

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Number	Contact Number	Shelter Capacity	Details of House hold	Drinking Water Facility	Electricity
1	Vilayat	2203	1290	community hall, Primary School	Talati cum Mantri	6354539006	450	444	Yes	Yes
2	Kothia	555	247	community hall Primary School	Talati cum Mantri	9586522049	125	111	Yes	Yes
3	Sadathala	277	107	community hall Primary School	Talati cum Mantri	9510366715	95	58	Yes	Yes
4	Bhenshli	1123	170	community hall Primary School	Talati cum Mantri	8347207206	210	228	Yes	Yes
5	Khojbal	1513	140	community hall Primary School	Talati cum Mantri	8347207206	350	287	Yes	Yes
6	Aargama	1188	1026	Primary School	Talati cum Mantri	8238659795	400	223	Yes	Yes
7	Sayakha	1072	192	Primary School / Community Hall	Talati cum Mantri	8200721032	150	231	Yes	Yes

Ann. D Dam Affected Villages: D1 Baldeva Dam Netrang Taluka

Sr.No.	Village Name	Population	Live stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Hold	Drinking Water Facility	Electricity
1	Zarna	759	832	Primary School	Talaticum Mantri	9726711041	200	150	Yes	Yes
2	Baladava	1455	439	Primary School	Talaticum Mantri	8128064081	500	301	Yes	Yes
3	Kambodiya	1815	1020	Community Hall Primary School	Talaticum Mantri	9327599514	150	408	Yes	Yes
4	Borkhadi	401	495	Primary School	Talaticum Mantri	9879604658	140	98	Yes	Yes
5	Panchasim	837	289	Primary School	Talaticum Mantri	9265611288	150	168	Yes	Yes
6	Chaswad	1431	830	Primary School	Talaticum Mantri	9409702700	150	286	Yes	Yes

Ann.2D2 Baldeva Da Valia Taluka

Sr.No.	Village Name	Population	Live stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Hold	Drinking Water Facility	Electricity
1	Singla	428	591	Primary School	Talati	7567915787	125	91	Yes	Yes
2	shir	1068	225	Primary school	Talati	9427182656	150	232	Yes	Yes
3	Dolatpur	1479	885	Primary School	Talati	9427182656	150	317	Yes	Yes
4	Kesargam	423	469	Primary School	Talati	7567915787	125	99	Yes	No
5	Pathar	1159	800	Primary school	Talati	9924813314	175	270	Yes	Yes
6	Deshad	2113	1715	Primary School	Talati	9327128418	215	481	Yes	Yes

Ann-D3 Pignuts Dam Valia Taluka

NO	VillName	Population	Live stock	Safe Shelter	Name Person	Contact Number	Shelter Capa	Details of House	Drinking Facility	Electricity
1	Gundia	3270	990	Primary School	Talati cum Mantri	9510627876	250	650	Yes	Yes
2	Kamliya	1491	313	Primary School	Talati cum Mantri	9712596263	200	339	Yes	Yes
3	Rajpara	1475	876	Primary school	Talati cum Mantri	6351866462	150	308	Yes	Yes
4	Jabugam	3378	3090	Primary School	Talati cum Mantri	9909320389	250	751	Yes	Yes
5	Choramala	459	295	Primary School	Talati cum Mantri	9909679066	75	123	Yes	Yes
6	Vandariya	702	310	Primary School	Talati cum Mantri	9909679066	100	166	Yes	Yes
7	Umargam	921	250	Primary School	Talati cum Mantri	9662552598	125	200	Yes	Yes
8	Sodgam	1863	1230	Primary school	Talati cum Mantri	9327128418	150	425	Yes	Yes
9	Sinada	712	130	Primary school	Talati cum Mantri	8469499517	75	158	Yes	Yes

Ann. D4 Pignuts Dam Netrang Taluka

Sr. No.	Village Name	Population	Live stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Hold	Drinking Water Facility	Electricity
1	Mauza	6570	2007	Primary School	Talati	7069645636	250	1434	Yes	Yes
2	Chikhli	539	330	Primary School	Talati	7435843141	125	154	Yes	Yes
3	Navapara	168	150	Primary School	Talati	9327599514	75	30	Yes	Yes

Ann. D5 Dholi Dam Jhagadia Taluka

Sr.No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Hold	Drinking Facility	Electricity
1	Bhilwada	463	154	Primary School	Talati	9913513109	250	109	Yes	Yes
2	Dholi	649	193	Primary School	Talati	7016564518	652	126	Yes	Yes
3	Kapat	770	485	Primary School	Talati	9913048312	125	151	Yes	Yes
4	Kantol	654	381	Primary School High school	Talati	9712531195	845	140	Yes	Yes
5	Mota Sorva	1394	245	Primary School	Talati	8347313835	251	289	Yes	Yes
6	Rajpardi	9303	4400	Primary School High school	Talati	9737160983	2562	2002	Yes	Yes
7	Razalwada	1102	420	Primary School	Talati	7016564518	1250	252	Yes	Yes
8	Sarsa	1721	1271	Primary School	Talati	9586382184	258	401	Yes	Yes
9	Vanakpor	2153	2590	Primary School	Talati	8866668232	125	427	Yes	Yes

Ann. E Villages Affected in Low Lying areas :E1 Low Lying affected villages in Amod Taluka

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Hold	Drinking Water Facility	Electricity
1	Buva	1740	460	Primary School	Talati cum Mantri	9327232026	200	345	Yes	Yes
2	Ghamnad	1168	798	Primary School	Talati cum Mantri	7984429504	150	274	Yes	Yes
3	Kurchan	2357	348	Primary School	Talati cum Mantri	9429411306	250	455	Yes	Yes
4	Ninam	771	204	Primary School	Talati cum Mantri	9099955690	250	184	Yes	Yes
5	Shri Kothi	805	34	Community Hall	Sarpanch	9727607791	240	175	Yes	Yes
6	Suthodra	548	140	Community Hall	Talati cum Mantri	8160745357	250	97	Yes	Yes
7	Tegva	752	380	Primary School	Sarpanch	9586221244	190	158	Yes	Yes
8	Rodh	797	275	Primary School	Talati cum Mantri	9725975889	225	177	Yes	Yes
9	Karena	1082	692	Primary School	Talati cum Mantri	9427130911	200	242	Yes	Yes
10	Mangrol	1139	922	Primary School	Talati cum Mantri	9428625070	552	215	Yes	Yes
11	Achhod	6328	1114	Primary School	Talati cum Mantri	9924369766	100	1150	Yes	Yes
12	Samani	2112	745	Primary School	Talati cum Mantri	9879465199	256	467	Yes	Yes
13	Samiala	495	215	Primary School	Talati cum Mantri	9825070106	250	98	Yes	Yes
14	Valipor	397	429	Primary School	Talati cum Mantri	9427130911	256	98	Yes	Yes

15	Intola	790	213	Primary School	Talati cum Mantri	9327232026	255	138	Yes	Yes
16	Ochhan	1578	553	Primary School	Talati cum Mantri	9712869523	400	348	Yes	Yes
17	Sudi	1012	610	Primary School	Talati cum Mantri	6351087485	251	226	Yes	Yes
18	Machhasara	2116	1538	Primary School	Talati cum Mantri	8154941700	256	383	Yes	Yes
19	Vantarsa	894	806	Primary School	Talati cum Mantri	7600198762	152	175	Yes	Yes
20	Tanchha	1154	581	Primary School	Talati cum Mantri	8160231994	265	264	Yes	Yes
21	Anor	2268	1905	Primary School	Talati cum Mantri	9909473346	321	446	Yes	Yes
22	Telod	1118	506	Primary School	Talati cum Mantri	7984209858	152	251	Yes	Yes
23	Denva	1097	262	Primary School	Talati cum Mantri	9427130911	542	232	Yes	Yes
24	Asenra	573	300	Primary School	Talati cum Mantri	7048802546	152	131	Yes	Yes
25	Sonama	366	461	Primary School	Talati cum Mantri	9586513126	281	81	Yes	Yes
26	Vedcha	792	234	Primary School	Talati cum Mantri	9909685691	145	193	Yes	Yes
27	Nahiyer	982	219	Primary School	Talati cum Mantri	9586513126	215	211	Yes	Yes

Ann. E2 Low lying affected villages in Bharuch Taluka

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Holds	Drinking water Facility	Electricity
1	Nandelav	13583	654	Primary School	Talati cum Mantri	9898457143	255	3185	Yes	Yes
2	Umaraj	6330	716	Primary School	Talati cum Mantri	9723383665	526	1473	Yes	Yes
3	Maktampur	10704	816	Primary School	Talati cum Mantri	9662015378	251	2432	Yes	Yes
4	Navetha	974	199	Primary School	Talati cum Mantri	8490970170	1000	196	Yes	Yes
5	Bhuva	689	290	Primary School	Talati cum Mantri	7046104840	700	147	Yes	Yes
6	Sankhwad	742	248	Primary School	Talati cum Mantri	7041461383	60	155	Yes	Yes
7	Vanshi	1522	744	Primary School	Talati cum Mantri	9714819792	250	270	Yes	Yes
8	Asuriya	330	147	Primary School	Talati cum Mantri	9924437976	100	64	Yes	Yes
9	Sarnar	1198	254	Primary School	Talati cum Mantri	9825817238	350	223	Yes	Yes
10	Serpura	5748	1236	Primary School	Talati cum Mantri	9016135960	350	1079	Yes	Yes
11	Cholad	530	337	Primary School	Talati cum Mantri	7990454965	100	112	Yes	Yes
12	Amleshvar	2392	1650	Primary School	Talati cum Mantri	7990454965	250	494	Yes	Yes
13	Bholav	24605	1258	Primary School Dud.Dairy	Talati cum Mantri	9662212633	200	5786	Yes	Yes

14	Hingalla	1933	683	Primary School	Talati cum Mantri	9624477469	150	368	Yes	Yes
15	Palej	12334	1983	Primary School	Talati cum Mantri	8866114472	250	2438	Yes	Yes
16	Jhanghar	2730	539	Primary School	Talati cum Mantri	7016509125	150	512	Yes	Yes
17	Luvara	1663	787	Primary School	Talati cum Mantri	8128121314	150	385	Yes	Yes
18	Parkhet	3062	2355	Primary School	Talati cum Mantri	9904073037	300	547	Yes	Yes
19	Kamboli	2216	199	Primary School	Talati cum Mantri	9638192241	250	425	Yes	Yes
20	Umara	527	453	Primary School	Talati cum Mantri	9924437976	100	121	Yes	Yes
21	Vadadla	1064	529	MajurMahajan hall	Talati cum Mantri	7046115445	250	246	Yes	Yes
22	Vagusana	638	118	Primary School	Talati cum Mantri	8128121314	100	123	Yes	Yes
23	Kavitha	2310	1224	Primary School	Talati cum Mantri	7046767999	150	495	Yes	Yes
24	Bambusar	777	605	Primary School	Talati cum Mantri	8347391053	100	146	Yes	Yes
25	Kuwadar	911	298	Primary School	Talati cum Mantri	9313782788	100	197	Yes	Yes
26	Bori	838	328	Primary School	Talati cum Mantri	9313782788	100	168	Yes	Yes
27	Eksal	938	468	Primary School	Talati cum Mantri	9687087588	50	194	Yes	Yes
28	Kesrol	818	764	Primary School	Talati cum Mantri	9687087588	250	165	Yes	Yes

Ann E3 Low lying affected villags in Vagra Taluka

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Holds	Drinking Water Facility	Electricity
1	Vasti Khandali	2091	340	community hall Primary School	Talati cum Mantri	8401663295	300	390	Yes	Yes
2	Saladra	994	300	community hallo Primary School	Talati cum Mantri	7623907991	250	205	Yes	Yes
3	Aliabet	411	1744	School Ambheta Bhadbhoot	Talati cum Mantri	9978631178	55	92	Yes	Yes
4	Rahad	931	262	Primary School	Talati cum Mantri	7575812106	200	185	Yes	Yes
5	Nadarkha	447	248	Primary School	Talati cum Mantri	7984732157	150	92	Yes	Yes
6	Pahaj	2437	637	Primary School	Sarpanch	7228076853	200	520	Yes	Yes
7	Ankot	739	297	Primary School	Talati cum Mantri	7623907991	150	162	Yes	Yes
8	Vachnad	763	350	Primary School	Talati cum Mantri	9978801501	200	151	Yes	Yes
9	Paldi	832	352	Primary School	Talati cum Mantri	9724231974	100	183	Yes	Yes
10	Ochan	1578	143	Primary School	Talati cum Mantri	7698998701	100	348	Yes	Yes
11	Sachan	691	261	Primary School	Talati cum Mantri	9328404947	100	152	Yes	Yes
12	Galenda	611	483	Primary School	Talati cum Mantri	9033549747	350	120	Yes	Yes
13	Vichyad	638	335	Primary School	Talati cum Mantri	9099860886	150	125	Yes	Yes
14	Mosam	798	479	Primary School	Talati cum Mantri	7041208080	150	159	Yes	Yes

Ann. E4 Low lying affected Villages in Hansot Taluka

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House holds	Drinking water facility	Electricity
1	Shera	1229	450	Primary School, Community Hall	Talati cum Mantri	9216141397	300	275	Yes	Yes
2	Mothiya	918	285	Primary School, Community Hall	Talati cum Mantri	9726871019	400	195	Yes	Yes
3	Obha	1689	922	Community Hall, Primary School	Talati cum Mantri	9913202875	750	375	Yes	Yes
4	Ashrama	1159	1111	Community Hall, Primary School	Talati cum Mantri	9913762414	900	267	Yes	Yes
5	Panjaroli	1874	728	Community Hall, Primary School	Talati cum Mantri	6351582980	575	410	Yes	Yes
6	Balota	1205	288	Primary School	Talati cum Mantri	8128112352	200	281	Yes	Yes
7	Kudadara	530	285	Primary School	Talati cum Mantri	7623918727	250	91	Yes	Yes
8	Valner	1584	5625	Primary School	Talati cum Mantri	8128161181	214	343	Yes	Yes

Ann. F: Cyclone Affected villages detail

AnnF1 Cyclone affected villages in Vagra Taluka :- (0-7 KM) villages

Sr. No.	Village name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House hold	Drinking Water Facility	Electricity
1	Dahej	13495	250	Primary School Community hall	Talati cum Mantri	9512172188	1000	3426	Yes	Yes
2	Lakhigam	4938	800	Primary School	Talati cum Mantri	9998979139	400	1217	Yes	Yes
3	Luwara	1663	438	Primary School, Community Hall	Talati cum Mantri	9824120255	250	385	Yes	Yes
4	Jageshvar	1571	138	Primary School Community hall	Talati cum Mantri	8320144283	600	383	Yes	Yes
5	Ambheta	1552	148	Community hall Primary School	Talati cum Mantri	8320144283	245	347	Yes	Yes
6	Rahiyad	1694	1202	Primary School	Talati cum Mantri	9512131592	250	355	Yes	Yes
7	Suva	1920	562	Primary School	Talati cum Mantri	8160322268	200	413	Yes	Yes
8	Koliyad	676	296	Primary School	Talati cum Mantri	8780368089	70	152	Yes	Yes
9	Kaladara	1663	285	Primary School	Talati cum Mantri	9978631178	229	393	Yes	Yes
10	Vengani	908	307	Primary School	Talati cum Mantri	9978631178	300	70	Yes	Yes
11	Paniyadara	2563	535	Primary School & Community Hall	Talati cum Mantri	9979880587	600	110	Yes	Yes
12	padariya	647	278	Primary School	Talati cum Mantri	9099559636	100	35	Yes	Yes
13	Gandhar	2121	592	Primary School & Community Hall	Talati cum Mantri	9825266151	150	40	Yes	Yes

Ann. F2 Cyclone affected villages in Jambusar taluka: - (0-7 KM) villages

Sr. No	Village Name	Population	Live Stock	Safe Shelter	Name Of Contact Person	Contact Number	Shelter Capacity	Details of House hold	Drinking Water Facility	Electricity
1	Sarod	7854	3967	Primary School & Community hall	Talati cum Mantri	9913053089	1500	1528	Yes	Yes
2	Kamboi	749	433	Primary school	Talati cum Mantri	9978568286	200	157	Yes	Yes
3	Malpur	1076	1055	Primary School	Talati cum Mantri	8734806141	1000	182	Yes	Yes
4	Zamdi	1107	697	Primary school	Talati cum Mantri	9904049285	400	235	Yes	Yes
5	Devla	4435	1378	Primary School & High school	Talati cum Mantri	9428569444	1000	897	Yes	Yes
6	Nada	2697	796	Primary school	Talati cum Mantri	9913826443	500	612	Yes	Yes
7	Asarsa	841	167	Primary school	Talati cum Mantri	9913826443	300	149	Yes	Yes
8	Kapuriya	413	150	Primary School	Talati cum Mantri	9913826443	200	90	Yes	Yes
9	Islam pure	1328	658	Mosque& Primary School	Talati cum Mantri	9624013289	1000	265	Yes	Yes
10	Tankari	4415	278	Primary School	Talati cum Mantri	820060147	256	845	Yes	Yes
11	Doliya	799	400	Primary School	Talati cum Mantri	6354124456	245	152	Yes	Yes
12	Khanpor Deh	4031	2156	Primary School	Talati cum Mantri	7778860154	250	748	Yes	Yes

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Hold	Drinking Water Facility	Electricity
13	Sardarpura	411	190	Primary School	Talati cum Mantri	6354124456	150	82	Yes	Yes
14	Mahapura	519	303	Primary School	Talati cum Mantri	8734806141	120	108	Yes	Yes
15	Kundhal	477	184	Primary School	Talati cum Mantri	9875152173	100	114	Yes	Yes
16	Bojadra	1621	1707	Primary School	Talati cum Mantri	7600929582	300	350	Yes	Yes
17	Jafarpura	672	459	Primary School	Talati cum Mantri	9099955690	120	141	Yes	Yes
18	Magnad	3613	1212	Primary School	Talati cum Mantri	7600929582	400	781	Yes	Yes
19	Kareli	5719	4012	Primary School	Talati cum Mantri	9978933482	300	1313	Yes	Yes
20	Vedach	7921	3538	Primary School	Talati cum Mantri	9722997033	400	1744	Yes	Yes

Ann. F3**Cyclone affected Villages in Hansot Taluka: - (0-7 Km)**

Sr. No.	Village Name	Population	Live Stock	Safe Shelter	Name of Contact Person	Contact Number	Shelter Capacity	Details of House Hold	Drinking Water Facility	Electricity
1	Samli	792	202	Community Hall Primary school	Talati/ Sarpanch	9924351595	500	179	Yes	Yes
2	Kantiyazal	1218	395	Primary School Community Hall	Talati/ Sarpanch	9924516937	750	304	Yes	Yes
3	Vamleshvar	727	265	Community Hall Primary School	Talati/ Sarpanch	7874022925	550	199	Yes	Yes
4	Katpor	2206	992	Primary School	Talati/ Sarpanch	9978546739	1050	513	Yes	Yes
5	Ambheta	1552	350	Community Hall primary School	Talati/ Sarpanch	9924110664	300	347	Yes	Yes
6	Pardi	597	293	Primary School Community Hall	Talati/ Sarpanch	9879949874	300	134	Yes	Yes
7	Hansot	8726	416	Primary School High school Community hall	Talati/ Sarpanch	9427132784	700	1825	Yes	Yes

Annexure - G Details of Industrial estate villages: -

Annex- G1 Vagra Taluka:-

S.No	No of Villages	Population	Number Of House Hold	Live Stock	Kaccha House	Pacca House	Name of Contact Person	Contact Number
1	Akhod	831	174	245	103	15	Sarpanch	9099960305
2	Ambheta	1552	347	334	246	170	Sarpanch	7046793148
3	Argama	1188	223	178	186	41	Sarpanch	9723786779
4	Dahej	13495	3426	863	650	500	Sarpanch	8511124948
5	Atali	1150	239	10	50	235	Sarpanch	9714202304
6	Bhensali	1123	228	293	85	152	Sarpanch	7096139179
7	Bhersam	1461	325	489	180	170	Sarpanch	8140371751
8	Galenda	611	120	167	125	17	Sarpanch	7383298782
9	Jagesavar	1571	383	445	174	140	Sarpanch	8320144283
10	Janidara	729	150	296	135	15	Sarpanch	9979351306
11	Jolva	1442	338	85	160	92	Sarpanch	7698495594
12	Juned	443	84	386	150	3	Sarpanch	8140371751
13	Kaladra	1663	939	963	270	25	Sarpanch	9723778530
14	Khajbol	1552	565	566	163	250	Sarpanch	9924916331
15	Kadodara	255	6565	419	210	90	Sarpanch	7228888776
16	Koliyad	676	152	214	144	45	Sarpanch	9723190776
17	Kothia	555	11	308	60	146	Sarpanch	8347207206
18	Lakhigam	4938	1217	1267	130	60	Sarpanch	9727960573
19	Luvara	1663	385	302	175	150	Sarpanch	9316102506
20	Nadarkha	447	92	210	18	62	Sarpanch	7559329013
21	Nandida	719	160	289	176	5	Sarpanch	9712717304
22	Pakhjan	1286	255	308	149	16	Sarpanch	9925054533
23	Piplia	1609	316	336	85	110	Sarpanch	7359054049
24	Rahiyad	1694	335	1300	282	18	Sarpanch	7202068605
25	Sadathala	277	58	191	60	23	Sarpanch	9979880587
26	Samatpor	363	79	105	67	3	Sarpanch	7698436548
27	Sambeti	416	82	74	42	35	Sarpanch	7698436548
28	Saykha	1072	231	647	125	110	Sarpanch	9586522049

29	Suva	1920	413	545	336	200	Sarpanch	7567144436
30	Vadadla	822	201	195	67	11	Sarpanch	9825266151
31	Vahiyal	1170	250	795	215	36	Sarpanch	9328919979
32	Vav	727	155	275	105	178	Sarpanch	9586085386
33	Vengani	908	202	332	98	52	Sarpanch	7096130443
34	Vilayat	2203	444	844	300	196	Sarpanch	9725128716
35	Vorasamni	2514	475	722	115	300	Sarpanch	9974402963

Annex- G2 Bharuch Taluka:-

S.No	No of Villages	Population	Number of House Hold	Live Stock	Kaccha House	Pacca House	Name of Contact Person	Contact Number
1	Amlesavar	2392	494	720	300	150	Sarpanch	9925224533
2	Bhadbhut	3835	786	105	290	450	Sarpanch	7698323083
3	Bholav	24605	5786	1380	250	1500	Sarpanch	9924110778
4	Bhuva	689	147	300	105	40	Sarpanch	9824638059
5	Ekshal	938	194	910	140	50	Sarpanch	9924762714
6	Kasva	1336	272	142	160	65	Sarpanch	9879780774
7	Kesrol	8118	165	910	139	166	Sarpanch	8511577850
8	Mahegam	1235	244	245	82	180	Sarpanch	6351719341
9	Manad	565	652	200	100	200	Sarpanch	9316315570
10	Navetha	974	198	104	110	90	Sarpanch	99248 24921
11	Palej	12334	2438	1265	760	1680	Sarpanch	9825345760
12	Sankhavad	742	155	335	145	65	Sarpanch	9537852828
13	Vadadla	1576	321	250	42	100	Sarpanch	9023130893
14	Vadva	610	144	630	120	20	Sarpanch	9714831167

Annex- G3 Jhagadia Taluka:-

S.No	Villages	Population	Number of House Hold	Live Stock	Kaccha House	Pacca House	Name of Contact Person	Contact Number
1	Dadheda	1094	222	276	230	60	Sarpanch	9909763974
2	Fulvadi	1783	396	256	170	40	Sarpanch	9979768352
3	Kapalsadi	2024	431	844	225	236	Sarpanch	8347130883
4	Limet	1739	377	767	224	298	Sarpanch	9913383685
5	Randedi	447	98	898	120	15	Sarpanch	9913037033
6	Selod	1653	343	347	70	107	Sarpanch	9714657474
7	Talodara	2057	453	1484	223	190	Sarpanch	9913037033

Annex-G4 Anklesvar Taluka:-

S.No	Villages	Population	Number of House Hold	Live Stock	Kaccha House	Pacca House	Name Of Contact Person	Contact Number
1	Panoli	4626	926	1827	467	769	Sarpanch	97265 44708
2	Anklesavar	44722	26060				Chief Officer	02646-247137
3	Bakrol	1591	393	543	175	150	Sarpanch	9879448372
4	Bhadkodra	13233	2986	60	170	1108	Sarpanch	9904077239
5	Dadhal	3695	758	627	128	471	Sarpanch	7016622759
6	Gadkhol	6100	25332	1296	1500	3175	Sarpanch	9727074073
7	Jitali	4225	921	1023	353	345	Sarpanch	75678 35935
8	Kharod	465	802	760	390	320	Sarpanch	9824791567
9	Kosamdi	12287	2817	1126	660	1200	Sarpanch	9723265790
10	Piraman	4364	848	411	222	1250	Sarpanch	9408308951
11	Sanjali	5344	1560	1315	500	700	Sarpanch	7016121170
12	Sarnipur	16671	3768	576	1700	1500	Sarpanch	8140736528
13	Umarwada	3711	761	956	950	176	Sarpanch	9624359559

Annexure -H

Control Rooms Contact Numbers

Sr.N	EOCs/ Control rooms	Contact Numbers
1	State EOC	079-23251900,23251902 State Toll Free No – 079-1070
	GSDMA (Director)	23259219, Fax - 23250306
3	Director of Relief	23251509, (R) 23251509
4	Meteorological Dept. for Cyclone Warning (CWC)	079-22865012/22861413 Fax-22865449
5	Add.CEO, GSDMA	23259451,9909973692
6	Bharuch District EOC	02642-242300 Toll Free No – 02642-1077
7	Taluka EOCs	
	1. Bharuch	02642-243536
	2. Amod	02641-245040, 225858
	3. Vagra	02641-225221
	4. Jambusar	02644-220070,220025
	5. Ankleswar	02646-224603,244877
	6. Hansot	02646-262026,262001
	7. Jhagadia	02645-220039,220034
	8. Valia	02643-270623
	9. Netrang	02643-282338
8	Nagarpalika EOCs	
	Bharuch Nagarpalika	02642 -243525, 220143,290400
	Ankleshvar Nagarpalika	02646 -247137, 247965, 247785
	Jambusar Nagarpalika	02644 -220360
	Amod Nagarpalika	02641-245442
9	1.CWC Bharuch Maktampur	02642-249848 (M) 7248167544
	2.Tapi Division (Flood)	0261-2478569
	3 Vishvamitri River & Ajwa Dam	0265-2413439
	4.Beldava, Dholi & Pingut Dam	02643-282251 (M) 9904266788
	Narmada Flood Central Baroda	9909921227
	Garudeshvar (Sardar Sarovad Dam)	02640-237056, 02640-232004
	MP Control Room for upper catchment Rain Status inquiry.	0755-2550170

Annexure H1**DISTRICT DISASTER MANAGEMENT COMMITTEE (DDMC) OF BHARUCH DISTRICT**

DISTRICT : BHARUCH					
SR. NO	DESIGNATION	NAME	MOBILE	LAND LINE NO	E-MAIL ID
1	COLLECTOR	Dr.Navnath K. Gavhane	9978406205	02642-223701	collector-bha@gujarat.gov.in
2	DDO	Shri Yogesh Kapase	9978406230	02642-240603	ddo-dha@gujarat.gov.in
3	SP	Akshay Raj Makawana	9978405066	2642-223633	sp-bha@gujarat.gov.in
4	RAC	P. R. Jayswal (i/c)	9978405177	02642-222332	add-collector-bha@gujarat.gov.in
5	DY.DDO	G. M. Borad	7990364056	02642-252474	dydo-rev-bha@gujarat.gov.in
6	Dy.CONSERVATOR OF FOREST	Bhavna Desai	9687673214	02642-269065	dycfbharuch@gmail.com
7	Dy.SP(HQ)	M. M. Ganguly	9825267488	02642-223433	dysp-hq-bha@gujarat.gov.in
8	CDHO	Dr. Munira Shukla (i/c)	7069007278	02642-243660	cdho.health.bharuch@gmail.com
9	DIRECTOR DRDA	N. H. Patel	9879598335	02642 240745	drda.bha@gmail.com.
10	DSO	P. P. Gamit	9601917165	02642-241500	dso-bha@gujarat.gov.in
11	MEDICAL OFFICER	Dr. Abhinavkumar Sharma	9601514070	02642-241759	cdho. health. bharuch@gmail.com
12	CDMO	Dr. Vinod Upadhyay	9426858228	-	cdmo. healthbharuch@gmail.com
13	DEO	Swatiba K. Raol	9909970211	02642-240424	bharuchdeo@gmail.com
14	DPEO	Sachin Shah	9909971661	02642-244210	ssabharuch17@gmail.com
					dpcbharuch@gmail.com
15	GENERAL MANAGER DIC	H.J. Jadedda	6357150191	02642-243478	gm-dic-bha@gujarat.gov.in
16	DIRECTOR INFORMATION	Chimanbhai Vasava (i/c)	8238144393	02642-243778	ddi2642@gmail.com
17	EXEN. R&B(STATE)	D. S. Vasava	7990542562	02642-261394	r&b_bharuch@yahoo.co.in
18	EXEN. R&B (PANCHAYAT)	B R Chaudhary	9727598844	02642-243415	ravalravi66@gmail.com
19	EXEN.IRRIGATION (STATE)	Omprakash R. Karwada	9877863256	-	eemiped@gmail.com
20	EXEN.IRRIGATION(PANCHAYAT)	Dipesh Rajwadi (i/c)	9998766935	02642-243305	exeengbch@gmail.com
21	EXEN. GWSSB	Vinod P. Patel	9978406656	02642-265560	bharuchee1@gmail.com
22	SUP.ENGINEER DGVCL	H. R. Modi	9825603168	-	dgvcl@gebmail.com

23	Dy.DIR.ANIMAL HUSBANDRY	K. L. Vasava	9879789505	02642-243146	ahdpbharuch@gmail.com
24	DIST.AGRICULTURE OFFICER	Kuldeep Vada	9537845622	02642-261611	dabha11@gmail.com
25	DIR.INDUST. SAFETY AND HEALTH	D. B. Gamit	9978262544	02642-240421	dydishbh@gmail.com
26	DC GSRTC	P. S. Sarvaiya	7984587411	02642-246102	brc375@gmail.com
27	SUPERITENDENT OF FISHERIES	Amisha Patel	9898363735	02642-240453	sf-bharuch@gujarat.gov.in
28	REGIONAL OFFICER GPCB	K N Vaghamasi	9924998854	02646-222933	ro-gpcb-ankl@gujarat.gov.in
29	DGM BSNL	Tarun Tomar	9425415912	02642-241000	dgmcfbharuch@gmail.com
30	PORT OFFICER	Jay Miyani	9512510433	02642-241772	-
31	MAMLATADAR DISASTER	N. V. Savla (i/c)	8401047096	02642-242300	dismgmt-bha@guarat.gov.in
32	DPO DISASTER MANAGEMENT	Varis N. Ghadiyali	9173285269	02642-242300	dismgmt-bha@guarat.gov.in
33	Dy.MAMLATDAR DISASTER	Shilpa J. Macwan	7984213702	02642-242300	dismgmt-bha@guarat.gov.in
34	Dy.MAMLATDAR DISASTER	Munaf Y. Patel	9106814135	02642-242300	dismgmt-bha@guarat.gov.in

Annex ure H2

District level Other Officers

Sr. No	Designation	Phone No (O)	Fax No	Mobile
1	Project Administrator	02642-222331	251760	9427234099
2	District Planning Officer	02642-240771	240771, 222492	9427678984 9428638363
3	Ass.Geolist	260043	240602	9909039980
4	Superintendent Land Record	269571	269571	9879345299
5	District Treasury Officer	02642-240429	220430	7567022901
6	Dist. Employment Officer	02642260702	-	8150969275
7	Dist Social Welfare Officer-state	02642244734	-	9426753204
8	Dist. Vigilance Officer- Tribal	02642-265719	-	9650165131
9	GMDC Jhagadia	02645-224768	-	9727792636
10	Asst. Controler Legal metrology	02642-263253	-	9925751727
11	Dist. Register, Co-Operative Societies	02642240651	-	7016809883
12	Social Welfare Officer (Child Marriage)	02642263823	253051	988769375
13	Asst. Charity Commissioner	02642-264353		9227991829
14	Social Welfare District Backward Class Officer	-	244641	9726570737
15	District Social Welfare Officer (Panchyat)	-	243204	7405468799
16	Social Welfare District Social Welfare Officer (Buxipunch))	-	244734	8320874572
17	District Project Officer	02642-42300 02642-40599	-	9173285269

Annexure –H3

CONTACT DETAILS OF LIASION OFFICER

TALUKA	DESIGNATION	OFF-PHONE	MOBILE
Bharuch City & Rural	SDM-Bharuch	02642-241980	9978405256
Ankleshwar	SDM-Ankleswar	02646-242648	7567011436
Jambusar	SDM-Jambusar	02644-220170	7567011407
Amod	Asst. Labour Commissioner,	02642-240900	8460160203
Jhagadia	SDM Jhagadia	02645-220052	7567011411
Valia	District Planning Officer Bharuch	02642-240771	9428638363
Netrang	Dy.DDO (Pan.) District Panchyat	02642-252479	9106288395
Hansot	Dy.DDO (Pan.) District Mahekam	02642-252474	7990364056
Vagra	District Supply Officer	02642-241500	9601917165

Annexure –H4&H5
Contact Details of Prant Officer / Mamlatdar / TDO & Chief Officers in District :-

Taluka Name	Designation	Officer Name (Shri)	Code	(O)	Mobile	Police Station
Amod	Mamlatdar	Shri Dr.M Z Variya	02641	245040	9601298054	245333
	TDO	Shri N R Ladumor		245269	9687770011	
	Chief Officer	Shri R K Thakor		245442	9586987007	
Jambusar	Prant Officer	Shrimati S Ganguli	02644	220070 220191	7567011407	222411
	Mamlatdar	Shri N S Vasava		220070	8160444259	
	TDO	Shri D K Parmar		220071	7567012606 8200915208	
	Chief Officer	Shri Ranjitbhai pate;		220360	7041205909	
Bharuch	Prant Officer	Shrimati M N Manani	02642	241980	997840556	245801
	Mamlatdar Rural	Shrimati M D Mistry		243536 242218	7567001377 9879699684	
	Mamlatdar City	Shri N V Savla			8401047096	
	TDO	Shri A B Patel		243404	7567012404 7874586123	
	Chief Officer	Shri Harish. Agrawal		243525	9574007002 9426276530	
Vagra	Mamlatdar	Shri V U Vasava	02641	241980	9427583524	
	TDO	Shri V K Rao		225223	7567012640 9722000703	
Hansot	Mamlatdar	Shri R M Makwana		262026	7567001392	262033
	TDO	Shri B V Vasava		262025	7567012651	
Ankleshwar	Prant Officer	Smt. B Jadeja	02646	227648	7567011436	247352
	Mamlatdar	Shri R D Vasava		224603	7567001495 9879443588	
	TDO	Shri H G Barot		247801	7567018865	
	Chief Officer	Shri Keshav Koldiya		247137	6357879245 9825808418	
Jhagadia	Prant Officer	Shri K.V. Gamit	02645	220052	7567011411	220033
	Mamlatdar	Shri N C Rana		220039	9979692157	
	TDO	Shri D B Patel		220036	9512314564 7567866901	
Valia	Mamlatdar	Shri J L Kamdar	02643	270623	8511009244	270623
	TDO	Shri A B Talpada		270626	7874914925	
Netrang	Mamlatdar	Shri K B Galiya	02643	282038	8200638395	
	TDO	Shri H R Patel		282216	9913782461	

Annex-H6**CONTACT DETAILS OF DISTRICT PANCHYAT ELECTED MEMBERS**

S.N	NAME	ADDRESS	MOBILE
1	Shri Mahendra Dilipsinh Vansadiya PRESIDENT	At. & Po. Sarasad, Ta. Jhagadia, Dist. Bharuch	9925034770
2	Shri Aarati Rahul Patel vice preshident	B 89/90 Nandanvan Soc. Ta. Ankleshwar, Dist. Bharuch	9033229969

Annex- H7 Contact Details of Bharuch District Police Station

Sr. No.	Name	STD Code	Phone No.
1	Bharuch HQ & Control Room	02642	223303 224100
2	A Division Police Station	02642	269133
3	B Division Police Station	02642	269233
4	C Division Police Station	02642	225312
5	Bharuch Taluka (Rural)	02642	245801
6	Nabipur Police Station	02642	283233
7	Palaj Police Station	02642	277333
8	Ankleshvar City Police station	02646	247352
9	Ankleshvar Taluka (Rural) P.Station	02466	220960
10	Ankleshvar GIDC Police Station	02646	225551
11	Jhagadia Police Station	02645	220033
12	Umalla Police Station	02645	234330
13	Valia Police Station	02643	270633
14	Hansot Police Station	02646	262033
15	Jambusar Police Station	02644	222411
16	Kavi Police Station	02644	230233
17	Vedach Police Station	02644	233303
18	Amod Police Station	02641	245333
19	Vagra Police Station	02641	224233
20	Dahej Police Station	02641	256233

Annex-H8 Bharuch District Health Department Contact

Sr.No.	Name	Address	Name&MobNo.	Ph No.
1	C.D.H.O.	Dist.Panchayat Compound, Health Branch, Bharuch.	Dr. Munira Shukla 7069007278	02642-243660
2	A.D.H.O.	Dist.Panchayat Compound, FP Branch, Bharuch.	Dr. Munira Shukla 7069007278	02642-243660
3	R.C.H. O	Dist.Panchayat Compound, Health Branch, Bharuch.	Dr. Hasmukh Patel 9712795457/ 9727782002	02642-243660
4	E.M.O.	Dist.Panchayat Compound, Health Branch, Bharuch.	Dr.Nilesh Patel 9727702225	02642-243660
5	Q.M. O	Dist.Panchayat Compound, Health Branch, Bharuch.	Dr.Amar Minz 9727702212	02642-243600
6	D.M.O.	Dist.Panchayat Compound, FP Branch, Bharuch.	Dr.Nilesh Patel(i.c.) 9727702225	02642-247173
Taluka Health Officer Contact List				
1	Dr.Sunilkumar Singh	B/H SBIMain Branch, Bharuch	9727702214	02642-242923
2	Dr.Omkarnath Desai	CHC Compound, Jambusar	9016594952	02644-222110
3	Dr.Pravinkumar Singh	Nr.CHC Compound, Vagra	9727702171	02641-225867
4	Dr.Sushant Kathorwala	Ankleshwar At&Post Piraman, Subcenter	9727702206	02646-262264
5	Dr.Sanjay Dube	Taluka Panchayat Compound, Hansot	9662469207	02646-262264
6	Dr.Xevier Kujur	Valia Chokdi, CHC Compound, Jhagadia	9727702183	02645-221310
7	Dr. Kisan Vasava	CHC Compound Valia	9427068011	02643-270272
8	Dr.A N.Singh	CHC Compound , Netrang	9727702172	029643-270272
9	Dr.Kanchankumar Sing	Amod	9727702174	

Annexure

Annexure-H 9

Control Rooms (State & Govt. of India)

No.	Department	Phone	FAX
1	Ministry of Home Affairs, New Delhi	011-23092923, 011-23093054, 011- 23092885 011 23093897	011-23092763 011-23093750
2	State Emergency Operation Center (SEOC), Gandhinagar	23251914 23221902 23251900	23251916 23251916
3	PS, RD- COR & Secy (SEOC)	23251926	23251912 23251916
4	Irrigation Deptt. Gandhinagar	23220954 23248735 23248736	23240553
5	R & B Deptt. Ahmedabad	26305296 26303490	-
6	Health Commissioner, Gandhinagar	23253343 23250818	23253343 23250818
7	Home Deptt. G'nagar (State Control)	23252957 23252958	23252075
8	DGP, Police Bhavan, G'nagar (State Control) SCR-23254343, 23249257	23246328 23246330/31	23146329
9	Police Commissioner, Ahmedabad	25633636/25630100/200-300-400	25630600/25630700
10	Gujarat Maritime Board, G'nagar	23224758	23236499
11	GEB Vadodara	0265-2330017	2337918/2338164
12	IMD (Seismo), New Delhi	011-24619943 011-24624588	011-24619943 011-24649850
13	IMD (MET), Ahmedabad	079-22865165 079-22867206 079-22858020	22865449 22864742
14	GSRTC,Ahmedabad (Central Office)	22801264	22803057

Annexure H 10

Relief Commissioners Office & SEOC

No.	Designation	(O)	(R)	(M)
1	Relief Commissioner & Ex-Officio Secretary (DM)	079-23251509	23154917	9978406123/9978408552
2	Director of Relief & D.S	079-23251900 079-23521509	23234364	9099905040
3	Deputy Collector & U.S.	079-232556335		9998214106
4	Deputy Collector (DM) (SEOC)	079-23251900		9998214106

Annexure

Annex-H 11 Gujarat State Disaster Management Authority

S. No.	Designation	(O)	(M)
1	CEO	23259276/502 23259275(F)	9978407791
2	PA To CEO	23259276	9081018848
2	Addl. CEO	23259451	9978407004/9408978788
3	PA to Addl. CEO	23259292	9978407007/7383040247
4	Director (Admin)	23259278	9825204665
5	Director (Finance)	23259278	8128598222

Annexure-H12 Army, Air Force and Coast Guard

No.	City	(O)
1	Ahmadabad	22856251
2	Ahmedabad	(O)22852444 (R)22852682 (F)22856251
3	Ahmedabad	(O)22852403 (R)22852433 (F)22861902
4	Ahmedabad	22869251
5	Gandhinagar	23242600
6	Delhi	011-23010231, 25687194-97
7	Gandhinagar	(O) 079-23243264, 23243283 (Operation Center) 23243147 (F) 079-23241717
	Dy. Comdt	(O) 079-23243241 (M) 9377858901
8	Mumbai	(O)022-24372472, 24333727 (F)022-24333727, 24372920

Annex-H13 Air Force Gandhinagar

1	Wing Commander, Air-II for Air Commander-in-Chief, Sector-9, Gandhinagar	23242600/5241 (F)23240076/
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Annex-H 14 Bhaskaracharya Institute of Space Application & Geoinformatic (BISAG)

N o.	Desi.	(O)	(R)	(M)
1	Director General	23213081/90 (F)23213091	23254846	9909945001
2	Dir. Admin	23213081	-	9978405803
3	Addl. Director	23213081		9909945010

Annexure

Annex-H 15 India Meteorological Department and Observatories

No.	Desi.	(O)	(R)	(F)
1	Dir. Meteorology Canter Ahmedabad	22865165 (M)9978406424	26852615	22865449
2	Meteorologist Weather Forecasting A 'bad	22861413	26852615	22865449
3	DG, Institute of Seismological Research, Gandhinagar	23252703 23259100 Fax 23259192		9824020907
4	Asst. Meteorologist II IMD, Bhuj	02832-250575	223051	250575
5	Kevadia Observatory	02640- 232122, 232041	231137	232122
6	079-22865012		22865449	
7	Director, A'bad	079-22865165		
8	Met. (I/c), A'bad	079-22861413		22865449
9	079-22865012		22867206	

Annex-H 16 Institute of seismological Research

Address: Near P.D.P.U. campus, Raisan village, Gandhinagar			
No.	Desi.	(O)	(M)
1	Director General	66739001 66739015(Fax)	9426564038/9910414038
2	Scientist-E	66739023	99252 43646
3	Data Center	66739000 (F) 66739028	97277 17841

Annex-H 17 BN, NDRF, Chiloda Road, Gandhinagar

1	Control Room	079-23201551
2	Comdt. Officer	(O) 079-23202540 (F) 079-23202540 (R) 079-23202539
3	Rajesh Tiwari, PA to C.O.	9377206454
4	Pradhan, PRO	9427304214

Annexure H 18

List of other District recourse: - (Specially Rescue)

NDRF (Gandhinagar)

No	Designation	Tel.No.s
1	Commandant	(O) 02668299182 (M) 9116943344
2	Secondand in Commandant	(M) 7006842112
3	Secondand in Commandant	(M) 8770313279
4	Control Room	(O) 02668299201 (F) 9870006730/9429199493

Ahmadabad Mahanagarpalika:-

S.No	Designation	Tel.Nos
1	Chief Fire Officer	(M) 9274494725 /07922148465/66 9327038754

Surat Mahanagarpalika:-

S.No	Designation	Name	Tel.Nos
1	Chief Fire Officer	Shri B.K Pareek	(M)9724345553/261-2423751
2	Divisional fire Officer	-	(O) 0261-2414195

Annexure: - H 19

State EOC Iridium Contact Number (District wise)

Sr. No	Name		SIMCard Serial Number	Tel	Data
1	DoR	SEOC	89881 69214 00053 1170	881621467711	881693167711
2	Collector	Ahmedabad	89881 69214 00053 1279	881621467717	881693167717
3	Collector	Amreli	89881 69214 00053 1303	881621467719	881693167719
4	Collector	Anand	89881 69414 00058 4183	881641465669	881693465669
5	Collector	Banaskantha	89881 69414 00058 4126	881641465662	881693465644
6	Collector	Bharuch	89881 69414 00058 4266	881641465660	881693465642
7	Collector	Bhavnagar	89881 69214 00053 1162	881621467713	881693167714
8	Collector	Dahod	89881 69414 00058 4126	881621466137	881693466119
9	Collector	Dang	89881 69414 00058 4258	881641465659	881693465641
10	Collector	Gandhinagar	89881 69414 00058 4175	881641465668	881693465668
11	Collector	Jamnagar	89881 69414 00058 4209	881641465653	881693465635
12	Collector	Junagadh	89881 69214 00053 1196	881621457712	881693167712
13	Collector	Kheda	89881 69414 00058 4191	881641465670	881693465670
14	Collector	Kutchch	89881 69214 00053 1246	881621467718	881693167718
15	Collector	Mehsana	89881 69414 00058 4225	881641465655	881693465637
16	Collector	Navsari	89881 69414 00058 4159	881641465665	881693465646
17	Collector	Narmada	89881 69414 00058 4134	881641465663	881693465663
18	Collector	Panchmahal	89881 69414 00058 4241	881641465657	881693465639
19	Collector	Patan	89881 69414 00058 4233	881641465656	881693465638
20	Collector	Porbandar	89881 69414 00058 4142	881641465664	881693465645
21	Collector	Rajkot	89881 69414 00058 4274	881641465652	881693465634
22	Collector	Sabarkantha	89881 69414 00058 4217	881641465654	881693465636
23	Collector	Surat	89881 69414 00058 4118	881641465661	881693465643
24	Collector	Surendranagar	89881 69414 00058 4167	881641465666	881693465666
25	Collector	Vadodara	89881 69214 00053 1295	881621467716	881693167716
26	Collector	Valsad	89881 69214 00053 1261	881621467714	881693167715

Annex- H2O Details of Pipeline Operators in Bharuch Dist.

Sr.	Company	Pipeline Detail	Oil/Gas	Contact Person	Designation	Mobile	Email
1	GAIL	Dahej – Uran – 30”	Natural Gas	Vinod Ameria	Chief Manager (Surat-hazira)	9691901123	vameria@gail.co.in
		Hajira-Vijaypur- Jagdishpur – 36”					
2	RIL Ind.	Hazira to Dahej 26”	Gas	Mr. Vivek Krishna Das	VP	9724312201	Vivek.Krishnadas@ril.com
		Hazira to Dahej 24”					
3	PIL	Kakinada(A.P.) Bhadbhut 48”	Natural Gas	Mr. pradeep Kumar Singh	Lead operations	9630087112	Pradeep.singh@RIL.com
				Radhey Shyam Singh	Area Mgr	9724168819	Radhey.singh@RIL.com
4	GSPL	Ankleswar to Dahej 24”	Natural Gas	Mr J.Cheena	AGM (O&M)	9825033054	chinna@gspc.in
5	ONGC	Ankleswar to CPF 8”	Oil	Mr.Premchand Mr. K K Pandey	CGM(C&M) GM(C&M)	9428332738 9428332443	Pandey_kiritkant@ongc.co.in
6	IOCL	AMOD TO HAZIRA 12.75”	Oil	Mr.Amit Kumar Mursainia	Sr. Operation Manager	9654383778	mursainiaak@indianoil.in
				Mr.Ajay kumar Verma	Assistant Manager(O&M)	9909963507	ajaykmr@indianoil.in
7	Gujarat Gas	Bharuch Region	Natural Gas	Mr.Dinesh Desai	Deputy Manager (HSE)	9924127631	Dinesh.Desai@gujaratgas.com

H21 List of Bharuch District Industries Associations President: -

NO	NAME	PRESIDENT NAME	CONTACT
1	ANKLESHWAR Industries Associations	V R JETHVA	9824121715
2	PANOLI Industries Associations	B S PATEL	9426807043
3	DAHEJ Industries Associations	M B PATEL	9909029646
4	JHAGHADIYA Industries Associations	ASHOKBHAI PANJVANI	9909994902
5	SAYKHA Industries Associations	HARESH BHUTA	9998888989

Annexure- I List of Resource

Annex-I1 List of Tractor

NO	Village name	Name Of Taluka	Details Of Trolly/Tractor	
			Name	Mobile Number
1	BHARUCH	Palej	Samirkhan Pathan	9998123738
2	BHARUCH	Bholav	Yuvrajsinh S. Parmar	9924046264
3	BHARUCH	Parkhet	Nasir Gulam	7984500924
4	BHARUCH	Kanthariya	Raju Ambu Vasava	8160750170
5	BHARUCH	Nandelav	Zahid Daud Patel	9662090786
6	BHARUCH	Rahadpor	Sarifbhai Mansuri	9825065792
7	BHARUCH	Jhadeshwar	Jaimin Patel	9313337229
8	BHARUCH	Tavra	Jitendrasinh Ganpatsinh Parmar	9998965688
9	BHARUCH	Manubar	Altafbhai Yakubbbhai Patel	9924260560
10	BHARUCH	Shahpura	Jignesh Ramanbhai Patel	7016821214
11	BHARUCH	Kelod	Ambalal Vasava	8141507914
12	BHARUCH	Tankariya	Aiyub Ibrahim Diwan	7285848727
13	BHARUCH	Mangleshwar	Gulabbhai Mohanbhai Vanzara	9909592938
14	BHARUCH	Jhanor	Hiteshbhai Machi	9913601123
15	BHARUCH	Hinglot	Salim Mahmad Dudhwala	9824345802
16	BHARUCH	Samlod	Pradipbhai Chaturbhai Patanvadiya	7698341312
17	BHARUCH	Bambusar	Aabid Ahmad Musha	7041298852
18	BHARUCH	Angareshwar	Mehul M. Parmar	9879604972
19	BHARUCH	Sindhot	Kaleshbhai Rathod	9924763336
20	BHARUCH	Kavitha	Nikunjibhai Harshadbhai Patel	9723416472
21	BHARUCH	Varediya	Fayaz Musa Kadari Dudhvala	8735962616
22	BHARUCH	Uprali	Sachinbhai Thakorbbhai Patel	9904521496
23	BHARUCH	Pipaliya	Patel Janakkumar G	9909502892
24	BHARUCH	Jhanghar	Riyaz Gulam Bandala	9924354620
25	BHARUCH	Dehgam	Yakubbbhai Alibhai Patel	9427167171
26	BHARUCH	Karela	Visal Bhagvandas Patel	9904517828
27	BHARUCH	Osara	Bhikhabhai Babubhai Patanvadiya	9904977418
28	BHARUCH	Vadadala	Bharatbhai Lalabbhai Vasuniya	9913454706
29	BHARUCH	Paguthan	Juber Sabbir Patel	7016552574
30	BHARUCH	Eksal	Kailash Bhai Parmar	--
31	BHARUCH	Manad	Bhadreshsinh Chatrasinh Dodiya	9316315570

32	BHARUCH	Kesrol	Ilyasbhai Ahmedbhai Patel	9428175980
33	BHARUCH	Umraj	Sehjad Salim Padarvala	6356767123
34	BHARUCH	Sherpura	Munaf Dudhara	9723549544
35	BHARUCH	Dayadara	Sures Vasava	8156034879
36	BHARUCH	Derol	Aswinbhai Arvindbhai Rathod	9824062821
37	BHARUCH	Haldar	Virendra S Vasava	8128879849
38	BHARUCH	Haldarva	Miteshbhai Maganbhai Patel	9724442555
39	BHARUCH	Segva	સલ્દીમ નાથલ	9825395166
40	BHARUCH	Sitpon	Reaz Gulam Bandla	9924354620
41	BHARUCH	Karmad	Vijay Kantibhai Solanki	9157843473
42	BHARUCH	Kargat	Vinodsinh Udesang Patanvadiya	9737358920
43	BHARUCH	Bhadbhut	Jiten Bhai Pushpavadan Bhai Patel	9727779293
44	BHARUCH	Dabhali	Dhaval D Patel	9574915444
45	BHARUCH	Karjan	Bhikhabhai I Patel	9099067499
46	BHARUCH	Padriya	Mukes Ranchod Patel	9106277410
47	BHARUCH	Mahegam	Yogesh N Gohil	9099877193
48	BHARUCH	Kahan	Makbul Bnadhukiya	9904047272
49	BHARUCH	Aamdada	Pradyumansinh Chudasama	9825800141
50	BHARUCH	Shankhvad	Ilyashbhai Mansuri	7573952829
51	BHARUCH	Kothi	Yakubbhai Bhagyasali	9824134973
52	BHARUCH	Vahalu	Suhel Isha Patel	9924374319
53	BHARUCH	Luwara	Munaf Ibrahim Patel	9924941358
54	BHARUCH	Sarnar	Zakir Abdullah Patel	9723785437
55	BHARUCH	Kamboli	Imran Iqbal Manjara	9898232732
56	BHARUCH	Bharthana	Vasava Ukedbhai Gumanbhai	9327448194
57	BHARUCH	Dashan /Vervada	Bipinbhai Patel	9824148917
58	BHARUCH	Vagusana	Vijay Bhogilal	8780363053
59	BHARUCH	Kurla	Amit Devendra Patel	9714251013
60	BHARUCH	Shuklatirth	Bhaylal Dahyaji Vanzara	9712689201
61	BHARUCH	Vansi	Anas Patel	7202087786
62	BHARUCH	Simaliya	Aalok Devendra Patel	8140816901
63	BHARUCH	Nikora	Vipinbhai Vasava	9426884639
64	BHARUCH	Umara/Asuriya	Kamlesh Bhai Hirabha Patel	9909836145
65	BHARUCH	Kukarwada	Dineshbhai Patel	9426771775
66	BHARUCH	Mahudhala	Irfan Bhai Yakub Pataravala	9824352807
67	BHARUCH	Tralsi	Maaz Saeed Patel	8200618994
68	BHARUCH	Vadva	Ashraf Inayat Patel	9574802691
69	BHARUCH	Bhuva	Pratap Kesur Vasava	9924355879
70	BHARUCH	Manch	Mustak Mahmud Patel	7359984871
71	BHARUCH	Pariej	Shalim Ishmail Jokhma	8128351268

72	BHARUCH	Kishnad	Sunilbhai Patel	-
73	ANKLESHWAR	Amboli	Lokanatha Rao	8160189385
74	ANKLESHWAR	Bakrol	Jayeshbhai Maganbhai Patel	8780057800
75	ANKLESHWAR		Nareshbhai Chhaganbhai Patel	9723265600
76	ANKLESHWAR		Pareshbhai Chhaganbhai Patel	9714995090
77	ANKLESHWAR		Dahyabhai Maganbhai Patel	635356281
78	ANKLESHWAR		Nileshbhai Kanubhai Patel	962432277
79	ANKLESHWAR		Dalpatbhai Chitubhai Patel	931609756
80	ANKLESHWAR		Natvarbhai Parshottambhai Patel	982472749
81	ANKLESHWAR		Rameshbhai Jagbhai Patel	926582014
82	ANKLESHWAR		Naranbhai Chitubhai Patel	977406421
83	ANKLESHWAR		Pareshbhai Ramubhai Patel	99099959
84	ANKLESHWAR		Balwantbhai Ambarambhai Patel	990938880
85	ANKLESHWAR		Jayeshbhai Maganbhai Patel	878005780
86	ANKLESHWAR	Bhadi	Usman Bhaiyat	9737821890
87	ANKLESHWAR		Rizwan Bhaiyat	999823005
88	ANKLESHWAR		Altaf Bhaiyat	955857509
89	ANKLESHWAR	Bharan	Praveenbhai Maganbhai Patel	992522126
90	ANKLESHWAR		Natvarbhai Hirabhai Parmar	942858831
91	ANKLESHWAR		Yogendrasinh Surendrasinh Jadav	951015114
92	ANKLESHWAR		Bhupendrabhai Kanubhai Patel	991398628
93	ANKLESHWAR	Borbhatha	Ishwarbhai Ahir	9824783399
94	ANKLESHWAR	Borbhatha Bet	Hiteshbhai Laxmanbhai Patel	9737821893
95	ANKLESHWAR	Dhanturiya	Patel Pravinbhai	9714062523
96	ANKLESHWAR	Diva	Hemantbhai Vanzara	992521012
97	ANKLESHWAR		Natwar Bhai Vasava	814002571
98	ANKLESHWAR	Divi	Pratapbhai Rana	635110256
99	ANKLESHWAR		Vasava Revadasbhai	635264871
100	ANKLESHWAR	Kansiya	Rajubhai Nanubhai Vasava	99254592
101	ANKLESHWAR		Rameshbhai Ishwarbhai Vasava	701646014
102	ANKLESHWAR		Thakorbhai Parasotambhai Vasava	992568554
103	ANKLESHWAR	Kosamdi	Gram Panchayat Kosmadi No.-2	909901426
104	ANKLESHWAR		Yakub Yusuf Nandhala	926508125
105	ANKLESHWAR		Abul Ayub Haji Badat	760077397
106	ANKLESHWAR	Mandvabhujarg	Jagadishbhai Ishwarbhai Vasava	973700552
107	ANKLESHWAR		Kantibhai Bhajibhai Patel	997462032
108	ANKLESHWAR	Sakkarapor	Vasava Akashbhai Jivaram	9714026111
109	ANKLESHWAR	Sarfuddin	Babubhai Revabhai Vasava	9723126839
110	ANKLESHWAR	Sisodra	Sunilbhai L. Parmar	98799 22162
111	ANKLESHWAR	Survadi	Pankajbhai B. Patel	972292848

112	ANKLESHWAR		Kantibhai C Patel	812858049
113	ANKLESHWAR	Piraman	Imran Ibrahim Patel	940830895
114	ANKLESHWAR		Ilyas Yusuf Unya	972719819
115	ANKLESHWAR		Yunus Mohammed Uniya	94269274
116	ANKLESHWAR		Yunus Mohammed Uniya	735948462
117	ANKLESHWAR	Pungam	Brijesh Kumar K. Parmar	820080502
118	ANKLESHWAR		Ishwarbhai Vasava	834742046
119	ANKLESHWAR	Andada	Jayantibhai Kanabhai Ahir	990493231
120	ANKLESHWAR		Hareshbhai Kanabhai Ahir	997988868
121	ANKLESHWAR		Rameshbhai Nathubhai Ahir	992441978
122	ANKLESHWAR		Ajay Natvarbhai Patel	98793908
123	ANKLESHWAR		Hirabhai Dhanabhai Ahir	99048507
124	ANKLESHWAR		Manojbhai Dalsukhbhai Patel	832020848
125	ANKLESHWAR	Bhadkodra	Deepakbhai Vitthalbhai Patel	9638449911
126	VALIA	Valia	Pruthvirajsinh Gohil	9925251442
127	VALIA		Maheshbhai Vasava	9687740272
128	VALIA	Kondh	Kanubhai S Vasava	9909257015
129	VALIA	Vatariya, Naldhari	Rajendrabhai Virambhai Vasava	6351599567
130	VALIA		Mahendrabhai Virambhai Vasava	-
131	VALIA	Siludi, Dodvada	Kasim Yusuf Bawa	9106196605
132	VALIA	Pansoli	Harendrasinh Gohil	9909454104
133	VALIA	Kanerav	Mayurkumar S Vasava	7567909815
134	VALIA		Sureshbhai D Vasava	9327388226
135	VALIA		Vijaybhai G Vasava	9978896650
136	VALIA		Mukeshbhai N Vasava	9313051626
137	VALIA	Karsad	Sudhirsinh K Atodariya	9265449487
138	VALIA		Jagdevsinh Vansiya	9408492357
139	VALIA	Dungari	Arjunbhai Sjamjibhai Vasava	931368733
140	VALIA	Ghoda, Jolly	Sanjaybhai S. Vasava	6351324811
141	VALIA	Sodgam	Surendra Sinh Varachhiya	9408567775
142	VALIA	Desad	Balvantsinh Somabhai Mangrola	6355426309
143	VALIA	Bhamadiya	Shaileshbhai Chandubhai Bhagat	9712396496
144	VALIA	Bharadiya	Dharmendrabhai Karshanbhai Vasava	6353224958
145	VALIA	Rajgadh, Kosmadi	Rakeshbhai Samsingbhai Vasava	8153034885
146	VALIA	Daheli	Latifbhai Kadiwala	9925713948
147	VALIA	Pithor	Rajubhai Ravilal Vasava	9879361591
148	VALIA	Petiya	Vasava Kishorbhai Rangilbhi	6352945854
149	VALIA	Gundia	Vasava Ranjitsinh G	6352859175
150	VALIA	Sabariya	Vasava Kiranbhai Devajibhai	9924009414
151	VALIA	Sevad	Jyeshbhai B. Vasava	8200663695
152	VALIA	Dolatpur	Patel Mineshbhai Jagdishbhai	9106523599

153	VALIA	Shir	Vasava Sanjaybhai Hirabhai	9925361494
154	VALIA	Pathar	Pareshbhai Pravinbhai Vasava	8758402237
155	VALIA	Zokhla	Ajaybhai Mangalbhai Vasava	8469763246
156	VALIA	Bhilod	Natvarbhai Vasava	9638325114
157	VALIA	Vagalkhod	Nileshbhai Vasava	9712249013
158	VALIA	Itakala, Kesargam,	Pareshbhai Ramchaturbhai Vasava	9712224946
159	VALIA	Singla, Navapara	Pushparajsinh Shivsinh Rathod	9427143685
160	NETRANG	Mauza	Mahendra. N. Vasava	9870077457
161	NETRANG		Bharatbhai R. Vasava	9099451073
162	NETRANG		Hasmukhbhai (Punpijiya)	9879031677
163	NETRANG	Chasvad	Mukeshbhai Ratanbhai Patel	9427132735
164	NETRANG		Deviabhai Jethabhai Vasava	9879761256
165	NETRANG		Manishbhai Navinbhai	9712680107
166	NETRANG	Zarna	Imranbhai Mohammed Safi Patel	9638449836
167	NETRANG	Kavachiya	Sanjaybhai Gomabhai Vasava	9913241007
168	NETRANG		Jayeshbhai Jagdishbhai Vasava	6355006097
169	NETRANG	Zarnawadi	Jaideepbhai M Vasava	8200752625
170	NETRANG		Ganeshbhai Jaisingbhai	8238395663
171	NETRANG	Nana Jambuda	Sirin Vasava	6353208516
172	NETRANG	Pingot	Chandrasinghbhai Karamsinghbhai	9909279885
173	NETRANG		Sureshbhai Narottambhai	8980874754
174	NETRANG		Umeshbhai Pratapbhai	9316451640
175	NETRANG		Sanjeevbhai Rohitbhai	8320949854
176	NETRANG	Kakadkui	Gautambhai Naliyabhai	9879905766
177	NETRANG		Mangabhai Hirabhai	7575820276
178	NETRANG	Mota Jambuda	Dharmendrabhai Vasava	6351854175
179	NETRANG	Arethi Group	Shaileshbhai Devi Singhbhai	9586654536
180	NETRANG	Arethi Group	Maganbhai Jadavbhai	9924405008
181	NETRANG	Arethi Group	Hareshbhai Nandubhai	9727362258
182	NETRANG	Arethi Group	Shaileshbhai Nanjibhai	9638449570
183	NETRANG	Netrang	Kaushikbhai Rajwadi	9537907232
184	NETRANG	Baldava	Savilalbhai Vasava	9265388651
185	NETRANG	Aatkhol Group	Gunvantbhai Somabhai	6353347443
186	NETRANG	Aatkhol Group	Rajnikantbhai Ughad	9978512743
187	NETRANG	Aatkhol Group	Niteshbhai Shanabhai	6354881762
188	NETRANG	Kambodiya	Sanjaybhai Ravibhai Vasava	9687065588
189	NETRANG	Kambodiya	Ashaibhai Harisinghbhai Vasava	9687180831
190	NETRANG	Kambodiya	Sameerbhai Bhakta	9825477474
191	NETRANG	Kelvikuwa Group	Rahulbhai Bhakt	9979125444
192	NETRANG	Kelvikuwa	Darshanbhai Balubhai Bhakt (Bedoli)	9925960297

193	NETRANG	Bilothi	Vipulbhai Subhasbhai Vasava	6353386918
194	NETRANG	Koylimadvi	Sandeepbhai R Vasava	9580053507
195	NETRANG	Kamaliya	Vilasbhai Kamlesbhai	9265966672
196	NETRANG		Rakesh Chaudhary	9913797474
197	NETRANG		Saurav Ashokbhai Chaudhary	9510500267
198	NETRANG	Rajwadi	Aartish S Vasava	6355204507
199	NETRANG	Thawa Group	Amitbhai Gopalbhai Vasava	9638818149
200	NETRANG	Bilatha Group	Alpeshbhai Natvarbhai Vasava	9979420708
201	NETRANG	Kharetha Group	Chandubhai Damjibhai Vasava	9426988137
202	NETRANG		Chhatrasinhbhai Madlia Vasava	7984291597
203	NETRANG	Anjoli Group	Dineshbhai Vasava	8140104976
204	NETRANG		Maheshbhai Ganpatbhai	7698856494
205	NETRANG		Devisingbhai	9712222219
206	NETRANG	Galiba Group	Surasinghbhai Fatesinghbhai Vasava	6351091677
207	NETRANG	Timla Group	Vanrajbhai Khansingbhai	7984209622
208	NETRANG		Thakorabhai	7990426366
209	NETRANG		Parasottbhai	7861874780
210	NETRANG	Chandravaan Group	Manishbhai Vasava(Chandravaan)	9879604658
211	NETRANG		Arvidbhai Vasava(Borkhadi)	9712250439
212	NETRANG	Moriyana-	Pravinbhai	9825466726
213	NETRANG	Moriyana-Kuri	Jagdishbhai Dhanabhai	7567539111
214	NETRANG		Vitthalbhai Chandubhai	9978177839
215	NETRANG	Kantipada	Sandeepbhai Nagjibhai	8320640935
216	NETRANG		Ragabhai Bharjibhai	9173142300
217	NETRANG	Bhenskhetar Group	Dilipsinh Suratiya	9426544344
218	NETRANG	-	Hirensinh Dharia	9429411235
219	NETRANG	-	Rabindrabhai Manabhai (Bhushankhetar)	9978232863
220	NETRANG	Dholekham Group	Devendrabbhai Balubhai Vasava	9638193142
221	NETRANG	Fokdi Group	Jagadishbhai Bakubhai Vasava	9913685435
222	NETRANG	Vankhunta Group	Ranchodbhai Madhusingbhai	9909222615
223	NETRANG	Vankol Group	Hareshbhai Shankarbhai Vasava	9429450063
224	NETRANG	Motamalpore Group	Vijaybhai Vasava	9773410080
225	NETRANG	-	(Mota Malpore)	9469592454
226	NETRANG	-	Sundarbhai Rusingbhai Vasava (Gambhirapura)	-
227	NETRANG	Ashnavi	Bholabbhai Badharbhai Vasava	9737942439
228	NETRANG	Sajanvav	Ranchodbhai Natvarbhai	9924822840
229	NETRANG	Chikhli	Bachubhai Meniyabhai Choudhary	9979560355

230	NETRANG		Ravindrabhai Ramanbhai Choudhary	9879008017
231	NETRANG		Ravilalbhai Mangabhai Choudhary	6352347896
232	NETRANG		Prakasbhai Maganbhai Choudhary	8469439144
233	NETRANG		Sureshbhai Sombhai Choudhary	9712680619
234	NETRANG	Koliwada Group	Ranchodbhai Vasava (Koliwada)	7621968229
235	NETRANG		Jigneshbhai Patel (Nawapara)	9426342472
236	NETRANG		Harnishbhai Vasava (Goratia)	9825016249
237	JHAGADIA	Avidha	Natvarbhai	9979060831
238	JHAGADIA	Indore	Jitendra Bhatt	9909075076
239	JHAGADIA	Uchediya	Hareshbhai	6355291961
240	JHAGADIA	Or	Jitendra Chavada	9925383470
241	JHAGADIA	Karad	Sunilbhai	9537457286
242	JHAGADIA	Kakalpor	Bhailal Vasava	9913827908
243	JHAGADIA	Sarsad	Mahesh Vasava	8160006854
244	JHAGADIA	Vanakpor	Ramijhbhai	9624642310
245	JHAGADIA	Jarsad	Ramijhbhai	9624642310
246	JHAGADIA	Jhagadia	Ajitbhai	9924863520
247	JHAGADIA	Tothidara	Manaharbhai	9601467020
248	JHAGADIA	Nanavasna	Arjunsinh	9586649935
249	JHAGADIA	Panetha	Dalaji Vanzara	9925328270
250	JHAGADIA	Pora	Ajaybhai	9687995896
251	JHAGADIA	Bhalod	Ramesh Manchi	9428686017
252	JHAGADIA	Motavasna	Rajnikant Patel	9909205600
253	JHAGADIA	Mota Sanja	Bhanabhai	6354597234
254	JHAGADIA	Vadhvana	Thakor Jadav	8758289193
255	JHAGADIA	Velugam	Amarsang Odd	7984720207
256	JHAGADIA	Krushnapari	Mukesh Vasava	9510265115
257	JHAGADIA	Patar	Kousik Makvana	6352546993
258	AMOD	Achhod	Abdul Bhudara	-
259	AMOD	Denava	Tribovan Soma	9512966564
260	AMOD	Mangarol	Manilal Mohanbhai Prajapati	9664734985
261	AMOD	Dora	Sanjaybhai Govindbhai	7359085728
262	AMOD	Malkinapura	Rajnikant Gohil	9824242317
263	AMOD	Ikhar	ALAUDDIN MEHBUB SINDHI	7621812339
264	AMOD	Roja Tankariya	Dharmendrabhai Girdharbhai Pandavi	9624521463
265	AMOD	Simartha	Kishorbhai Dineshbhai Patel	9824074061
266	AMOD	Vantarsa	Mubarak Kathi	9924359793
267	AMOD	Sarabhan	Sanjay Rathod	7984108701
268	AMOD	Ranada	ALPESH SINH SOLANKI	8154864296
269	AMOD	Anor	Dilipbhai Solanki	9737539151

270	AMOD	Danda	Rajni Patel	9327838551
271	AMOD	Suthodara	Rajni Patel	9327838551
272	AMOD	Ochchhan	VANJARSINH DILIPSINH DAYMA	9427074158
273	AMOD	Karena	Umeshbhai Bhayilal	8106463028
274	AMOD	Keravada	Raj Sanjaysinh	99791 56475
275	AMOD	Bodaka	Bharatbhai Chaturbhai Parmar	9879573466
276	AMOD	Asnera	Ghanshyambhai Chaturbhai Patel	9879624873
277	AMOD	Intola	Mehbub Jorbha Pathan	8980304190
278	AMOD	Purasa	Najir Multani	6354679867
279	AMOD	Bhimpura	Maheshbhai K. Rathod	9904867604
280	AMOD	Matar	Subhash Bhai Patel	9909871119
281	AMOD	Ajamanagar	Rameshbhai Vasava	8320888024
282	AMOD	Samani	Mineshbhai J Patel	8200518016
283	AMOD	Kesalu	Hetalkumar Patel	9909870851
284	AMOD	Kothi Vantarsa	Hussain Ismail Patel	9924937339
285	AMOD	Ninam	ઉમેશભાઈ શંકરભાઈ વસાવા	7567291836
286	AMOD	Tegava	હસમુખભાઈ અશ્વિનભાઈ પટેલ	9979394180
287	AMOD	Kurachan	ફિતેશ ભાઈ કરસનભાઈ પટેલ	9426982911
288	AMOD	Adavala	Hashmukhbhai M Patel	9737165566
289	AMOD	Vadiya	Sureshbhai B Vasava	8780744559
290	AMOD	Buva	Hareshbhai Patel	9712827167
291	AMOD	Vasana	Sukhdev C Patel	9825204577
292	AMOD	Manjola	Ishwarbhai Rohit	8140116711
293	AMOD	Ghamanad	Raj Virajsinh	7859836736
294	JAMBUSAR	Dahri	Dilupbhai Rameshbhai Patel	9429188774
295	JAMBUSAR	Kaliyari	Jaydip Rajubhai Patel	6351972256
296	JAMBUSAR	Zaamdi	Axay Ranjitbhai Chouhan	8905292754
297	JAMBUSAR	Jantran	Usman Mirsab	9979366510
298	JAMBUSAR	Nobar	Patel Hitesh	9909417436
299	JAMBUSAR	Runad	Dipsang S PARMAR	7285866297
300	JAMBUSAR	Thanava	Devendrabhai B Gohil	9537973061
301	JAMBUSAR	M.Kamboi	Anilbhai Jesangbhai Patel	9998356238
302	JAMBUSAR	Sigam	Mahavirsinh Mahobbatsinh Yadav	9727455605
303	JAMBUSAR	Ha. Kanthariya	Jasubhai H. Patel	9537277265
304	JAMBUSAR	Kavi	Tousif Chacha	8153812949
305	JAMBUSAR	Umra	Kalpeshbhi Dinesbhi Thakor	9737234537
306	JAMBUSAR	Uber	Rajendrabhai Amrsangbhai Padhiyar	9909870970
307	JAMBUSAR	Neja	Milanbhai Pravinbhai Patel	8200098378
308	JAMBUSAR	Piludara	Anil Balvant Padhiyar	7802998726
309	JAMBUSAR	Tha. Talavdi	Ranchhod Chhagan Rathod	9028125681

310	JAMBUSAR	Ba. Timbi	Basirbhai Patel	9601717618
311	JAMBUSAR	Singarna	Vijaybhai Mansang Padhiyar	7434842474
312	JAMBUSAR	Tundaj	Hasmukhbhai Narsinhbhai Parmar	9687023573
313	JAMBUSAR	Amanpur Nana	Maqbulbhai Ganchi	9904286940
314	JAMBUSAR	Kangam	Tarunsinh Ghanshyam Sinh Sindha	9925828103
315	JAMBUSAR	Vadadala	Dhaval Patel	7096591185
316	JAMBUSAR	Chhidra	Rajendra Singh Sursinh Vaghela	6351090879
317	JAMBUSAR	Dabha	Balubhai Rohit	6356795646
318	JAMBUSAR	Uchchhad	Ratansinh Raj	7096675056
319	JAMBUSAR	Nahar	Surendrasinh M Mori	6353927912
320	JAMBUSAR	Kalak Group	Lakshamnabhai Chhotabhai Rathod	9924849919
321	JAMBUSAR	Vedach	Dolatbhai Jadav	9624592726
322	JAMBUSAR	Sarod	Yakub Ahmad Patel	9574732354
323	JAMBUSAR	Dahegam	Munavvarbhai Malek	8140424457
324	JAMBUSAR	Kava	Devendrasinh Vikramsingh Sindha	9913401771
325	JAMBUSAR	Karmad	Hiralkumar Shashikant Patel	9725609041
326	JAMBUSAR	Limaj	Chiragbhai Maheshbhai Patel	8866709933
327	JAMBUSAR	Madafar	Basir Rasul Raj	9727486826
328	JAMBUSAR	Asanvad	Ishwvarbhai Padhiyar	7567370536
329	JAMBUSAR	Kora	Rajendra Vajesinh Gohil	6352610832
330	JAMBUSAR	Amanpor Mota	Chiragbhai Patel	9664912212
331	JAMBUSAR	Sindhav Group	Dharmendra Bhai	6351040727
332	JAMBUSAR	Devla	Salim Bhai	9427583392
333	JAMBUSAR	Magnad	Ganpatsinh Raj	9726749727
334	JAMBUSAR	Bojadra	Chiragsinh Sindha	8735072602
335	JAMBUSAR	Nadiyad	Shikndar.Patel	-
336	JAMBUSAR	Rampur	Balvant Madhavsang Parmar	9825549232
337	JAMBUSAR	Bhankhetar	Mukundbhai Patel	9687997679
338	JAMBUSAR	Panchakada	Sureshbhai B Parmar	9824489972
339	VAGRA	Akhod	Narendrasinh Laxmansinh Solanki	9099960305
340	VAGRA	Aladar	Parmar Sanjaybhai	8469824420
341	VAGRA	Ambhel	Sahilbhai Arjunbhai Chauhan	9313081918
342	VAGRA	Ambheta	Ranjitvhai Chandubhai Gohil	9925221325
343	VAGRA	Ankot	Pravinsinh Himmatsinh Gohil	9196650000
344	VAGRA	Aragama	Aiyub Yusuf Patel	9723786779
345	VAGRA	Badalpura	Vasava Lakhsman	9555652020
346	VAGRA	Bhersam	Prabhubhai Patel	9920027185
347	VAGRA	Chanchvel	Sikandar Musa Bapu	8347257984
348	VAGRA	Galenda	Ishakbhai Raj	9824108185
349	VAGRA	Gandhar	Sohelbhai Malek	9925132083

350	VAGRA	Jageshwar	Arjunbhai Patel	9998000000
351	VAGRA	Janiadara	BHARATSIKH DILIPSINH RANA	9979351306
352	VAGRA	Kadodara	Somabhai Gohil	-
353	VAGRA	Kalam	Chetanbhai Ahir	9913175175
354	VAGRA	Keshwan	Bhikhabhai	8160049472
355	VAGRA	Koliad	Balvantbhai	9428688006
356	VAGRA	Kothia	BALDEVBHAI GAJJAR	9099422177
357	VAGRA	Lakhigam	Jayantibhai Gohil	9428101238
358	VAGRA	Limdi	Yusuf Ismail Patel	9913685500
359	VAGRA	Luvara	CHAUHAN DILIPSINH RATANSINH	9979360020
360	VAGRA	Nadarkha	Jitendra Gohil	8980141212
361	VAGRA	Nandida	DILIPSINH RAJ+\$	9737670934
362	VAGRA	Narnavi	Abhesangbhai	9426857036
363	VAGRA	Ochchhan	Dharmendra Rana	9824331923
364	VAGRA	Ora	Sanjaysinh Raj	-
365	VAGRA	Pakhajan	Irfan Patel	9624878563
366	VAGRA	Pipalia	Firozbhai Delawala	9737240685
367	VAGRA	Rahad	Patel Devendra	9909073846
368	VAGRA	Rahiad	Parthambhai Ishwarbhai	9925733612
369	VAGRA	Sachan	Bheravsinh RANA	-
370	VAGRA	Sadathala	Patel Ramabhai Kashibhai	9924522805
371	VAGRA	Saladara	Vinay B. Patel	7016016988
372	VAGRA	Sambheti	Dashrathbhai Shanubhai Gohil	9879402021
373	VAGRA	Saran	Munavar Raj	6352444470
374	VAGRA	Sayakha	Chiragsinh Girishsinh Rana	9199100000
375	VAGRA	Sutrel	Irfan Bhai Mansang Belim	9925192179
376	VAGRA	Trankal	Dharmendrasinh Yadav	9925221299
377	VAGRA	Vachhnad	Satyamsinh Chauhan	9199100000
378	VAGRA	Vagra	Jhulfikar Anandbhai Patel	9574978634
379	VAGRA	Vahiyal	Vasava Mafatbhai	8141713923
380	VAGRA	Vastikhandali	Faruqbhai Patel	9408579624
381	VAGRA	Vav	Nileshbhai Gohil	9586085386
382	VAGRA	Vilayat	Saiyed Moin Abdul	8128255514
383	VAGRA	Vinchhiyad	Mayur Sinh Jaswant Sinh Solanki	8141504341

Annexure- J List of Resource
Annex-I21 List of JCB

NO	Name Of Taluka	Name Of Village	Details Of JCB	
			Name	Mobile Number
1	BHARUCH	Palej	Samirkhan Pathan	9998123738
2	BHARUCH	Bholav	Jitendrabhai C. Parmar	9924110778
3	BHARUCH	Parkhet	Salman Compoundvala	9265594343
4	BHARUCH	Nandelav	Sarifbhai Mansuri	9825065792
5	BHARUCH	Rahadpor	Sarifbhai Mansuri	9825065792
6	BHARUCH	Jhadeshwar	Kaushal Bhai Nizama	9727106731
7	BHARUCH	Tavra	Nileshbhai Ranchhodbhai Ahir	7567244375
8	BHARUCH	Manubar	Shehzadbhai Patel	9924255786
9	BHARUCH	Shahpura	Pradipbhai Bhaskar Patel	9428587529
10	BHARUCH	Mangleshwar	Govindbhai Dhaghlaji Vanzara	9586214314
11	BHARUCH	Jhanor	Hiteshbhai Machi	9913601123
12	BHARUCH	Angareshwar	Mehul M.Parmar	9879604972
13	BHARUCH	Uprali	Arif Patel	9723780224
14	BHARUCH	Pipaliya	Patel Janakkumar G	9909502892
15	BHARUCH	Jhanghar	Riyaz Gulam Bandala	9924354620
16	BHARUCH	Dehgam	Ashifbhai Manjara	9998793206
17	BHARUCH	Karela	Visal Bhagvanbhai Patel	9904517828
18	BHARUCH	Osara	Anilbhai Gauswami	9825868292
19	BHARUCH	Vadadala	Laljibhai Gumanbhai Vasava	9913454642
20	BHARUCH	Paguthan	Gram Panchayat	7016164025
21	BHARUCH	Umraj	Jagdishbhai D Bharwad	9624649633
22	BHARUCH	Derol	Sohel Patel	7359219438
23	BHARUCH	Haldar	Sharif Bhai Mansuri	9825065792
24	BHARUCH	Haldarva	Vishrambhai Ghelabhai Bharvad	-
25	BHARUCH	Segva	Arif Patel	9825395166
26	BHARUCH	Sitpon	Reaz Gulam Bandla	9924354620
27	BHARUCH	Aamdada	Faruk Patel	9426889698
28	BHARUCH	Bharthana	Vasava Ashokbhai Mathurbhai	6351026760
29	BHARUCH	Shuklatirth	Thakorabhai Balubhai Vanzara	8469887008
30	BHARUCH	Umara/Asuriya	Bharat Bhai Aahir	6359005892
31	BHARUCH	Kishnad	Vasukumar Dharmendrabhai Patel	9824423713

32	ANKLESHWAR	Bhadi	Siraj Adat	9824512826
33	ANKLESHWAR	Chhapra	Mayank Manshukhbhai Vasava	9054446969
34	ANKLESHWAR	Diva	Vivek Bhariwala	9898878098
35	ANKLESHWAR	Divi	Gunjanbhai Modi	9426885065
36	ANKLESHWAR	Kosamdi	Rajan Kama Bharwad No. 3	7043148794
37	ANKLESHWAR	Sakkarapor	Rahul Kumar Mahendrabhai Ahir	7874485777
38	VALIA	Valia	Pruthvirajsinh Gohil	9925251442
39	VALIA	Vatariya	Rajendrabhai Virambhai Vasava	-
40	VALIA	Naldhari	Mahendrabhai Virambhai Vasava	6351599567
41	VALIA	Siludi, Dodvada	Afroz Ansari	6353583648
42	VALIA	Pansoli	Narendrasinh Anitiya	9925191990
43	VALIA		Piyushbhai M Vasava	8980164371
44	VALIA	Kanerav	Shaileshbhai B Vasava	7575064776
45	VALIA	Dungari	Ashif Bobat	6351335711
46	VALIA	Sodgam	Surendra Sinh Varachhiya	9408567775
47	VALIA	Desad	Ajitsinh Karmriya	6355426309
48	VALIA	Daheli	Ezaz Kadiwala	9723378259
49	VALIA	Sevad	Vinodbhai Dhirubhai Vasava	9106348366
50	VALIA	Dolatpur	Boradhara Dilipsinh Prabhatsinh	9586906889
51	VALIA	Vagalkhod	Nileshbhai Vasava	9712249013
52	VALIA	Itakala, Kesargam, Singla,Navapara	Vipulbhai Vasava	9979041542
53	NETRANG	Mauza	Subhashbhai Motibhai Vasava	9825483557
54	NETRANG	Kakadkui	Gautambhai Naliyabhai	9879905766
55	NETRANG	Netrang	Bhikhabhai Patel	9979278408
56	NETRANG	Anjoli Group	Arjunbhai Ramanbhai	9664706616
57	NETRANG	Timla Group	Thakorabhai	7990426366
58	NETRANG	Fokdi Group	Jagdishbhai Bakubhai Vasava	9913685435
59	NETRANG	Ashnavi	Anilbhai Vasava	7698976438
60	NETRANG	Chikhli	Sureshbhai Sombhai Chaudhary	9712680619
61	NETRANG		Mittalben Poonambhai	9687191469
62	JHAGADIA	Mulad	Vijaybhai	8141206548
63	JHAGADIA	Govali	Alkeshbhai	7096438337
64	JHAGADIA	Tarsali	Ismailbhai	9924715343
65	JHAGADIA	Panetha	Gopaji Vanzara	9925328270
66	JHAGADIA	Bhalod	Bhika Manchi	9427464334
67	AMOD	Achhod	Sakil Kapadiya	-
68	AMOD	Dora	Vanrajbhai Bharvad	9725897119
69	AMOD	Ikhar	Bachubhai Barvad	9714082021
70	AMOD	Roja Tankariya	Yunus Yusuf Patel	9426878761
71	AMOD	Ranada	Alpeshsinh Solanki	8154864296

72	AMOD	Kothi Vantarsa	Vanraj Bhaya Bharwad	9725897119
73	JAMBUSAR	Dahri	Yogeshbhai B. Patel	9265686021
74	JAMBUSAR	Kaliyari	Jaydip Patel	6351972256
75	JAMBUSAR	Zaamdi	Melabhai Chouhan	8469103519
76	JAMBUSAR	Jantran	Mukesh Patel	9978755076
77	JAMBUSAR	Kavi	Zakir Saleh	9909451161
78	JAMBUSAR	Piludara	Pankaj Bhai Thakor Bhai	7285031534
79	JAMBUSAR	Tundaj	Jaimin Patel	-
80	JAMBUSAR	Dabha	Vallabhbhai	-
81	JAMBUSAR	Nahar	Balvantbhai M Mori	8200534086
82	JAMBUSAR	Sarod Vanta	Asraf Bhai	7046601174
83	JAMBUSAR	Sarod	Asraf Bhai	7046601174
84	JAMBUSAR	Kora	Harshadbhai	9979068589
85	VAGRA	Akhod	Jaydeepsinh Shanubava	9429337107
86	VAGRA	Ambhel	Pratapsinh	9879727224
87	VAGRA	Ambheta	Devendrasinh Solanki	9.19925E+11
88	VAGRA	Aragama	Patel Zakir Ibrahim	9824196584
89	VAGRA	Bhersam	Prabhubhai Patel	9920027185
90	VAGRA	Dahej	Mahendrasinh A.Gadhvi	9879555171
91	VAGRA	Galenda	Tofiqbhai U. Khan	9574167346
92	VAGRA	Gandhar	Vipulbhai Vaghela	9773421781
93	VAGRA	Jageshwar	Chetanbhai Udaybhai Patel	9.19974E+11
94	VAGRA	Kadodara	Sandip Bhai Paramar	-
95	VAGRA	Kaladara	Patel Arvindbhai	7621088985
96	VAGRA	Kalam	Patel Vijaybhai Bhaylal	9574712732
97	VAGRA	Keshwan	Bharat Bhai	7624045918
98	VAGRA	Koliad	Jaydeepsinh Rana	99042 99671
99	VAGRA	Lakhigam	Jashvantbhai Jitsangbhai Gohil	9824375023
100	VAGRA	Luvara	Chauhan Sandipsinh Ramsinh	9924238789
101	VAGRA	Muler	Patel Chetan Mathur	9714988251
102	VAGRA	Nadarkha	Jitendra Gohil	8980141212
103	VAGRA	Narnavi	Manojbhai	-
104	VAGRA	Ora	Yuvrajsinh Raj	-
105	VAGRA	Pahaj	Pravinsinh Pratapsinh Rana	9824160885
106	VAGRA	Pakhajan	Parthiv Prakashsinh Yadav	9737616046
107	VAGRA	Paldi	Parmar Natvarsinh Udesang	8980287749
108	VAGRA	Paniadara	Manaharbhai Sankarbhai	8140331833
109	VAGRA	Pipalia	Hanifbhai Patel	9879506211
110	VAGRA	Rahiad	Kiranbhai Ramanbhai Chauhan	9428178849
111	VAGRA	Sachan	Rathod Manubhai Meljibhai	9737008909

Annexure

112	VAGRA	Sambheti	Rajubhai R Padhiyar	9925720957
113	VAGRA	Saran	Raj Imtiyaj Mehbubhai	9824410084
114	VAGRA	Sayakha	Jayveersinh Raj	9879282971
115	VAGRA	Suva	Gohil Mahesh Fatesang	9913628917
116	VAGRA	Trankal	Dharmendrasinh Yadav	9925221299
117	VAGRA	Vachhnad	Akshaysinh Raj	8238528296
118	VAGRA	Vadadla	Udesangbhai	-
119	VAGRA	Vagra	Dilavar Akuba Raj	9913200064
120	VAGRA	Vav	Mehulsinh Barad	90169 92534
121	VAGRA	Vilayat	Saiyed Hasnaali N.	9725128716
122	VAGRA	Vinchhiyad	Pradipsinh Yadav	-

Annex-I3 List of Bulldozer

No	Name Of Taluka	Name Of Village	Details Of Bulldozers	
			Name	Mobile Number
1	BHARUCH	PALEJ	Samirkhan pathan	9998123738
2	BHARUCH	OSARA	laljibhai gumanbhai vasava	9913454642
3	BHARUCH	VADADALA	Gaurangbhai Dalsukhbhai bhabor	9913827008
4	VALIA	DESAD	Ajitsinh karmriya	6355426309
5	VALIA	VAGALKHOD	Nileshbhai vasava	9712249013
6	VAGRA	Galenda	Salim Sardar sang Raj	9824953813
7	VAGRA	Khojbal	aiyub musa bagas	9714494728
8	VAGRA	Sayakha	jayveersinh raj	9879282971
9	VAGRA	Vagra	Dilavar Akuba Raj	9913200064
10	Bijadar	Jambusar	Pravinbhai Rathod	6354679011
11	Thakor talavadi	Jambusar	Basirbhai Patel	7272962900
12	Bakarpor Timbi	Jambusar	Vijaybhai PADhiyar	9601717618
13	Singharna	Jambusar	Naginbhai Rohit	7434842474
14	Tavara	Bharuch	Bakorbhai Ramsing	9825026489
15	Rajpardi	Jhagdia	G.M.D.C	9824482021
16	Aamod	Jhagdia	G.M.D.C	9824482021
17	Du.bhuri	Jhagdia	G.M.D.C	9824482021
18	Aragama	Vagra	Zakir Musa Purjak Saiyad	9099672666
19	Aladar	Vagra	Parmar Sajaybhai C	9925050519
20	Goldara	Vagra	Kajibhai Jesangbhai Gohil	9099941854

Annexure

Annex- I4 List of Fire Tender: -

Capacity against industrial and chemicals disaster				
FIRE TENDEOR				
S. No	Name & Factory	Address	Contact Number	No Of Fire Tender
1	Aarti Industries Limited	Plot no. Z/103/C, SEZ-II, Dahej, Tal-Vagra, Dist- Bharuch, Gujrat, 392130	998953992	1
2	Birla Cellulosic (A Unit of Grasim Industries Ltd)	Birladham, Village – Kharach, Near Kosamba, Tal – Hansot, District – Bharuch.	02646678801/02/03/52/99	2
3	Century ENKA Ltd. (Unit: Rajashree Polyfil)	Rajashree Nagar, Post: Umalla, Tal: Jhagadia, Dist: Bharuch – 393120	2645208644	2
4	DCM Shriram Ltd (Unit: Shriram Alkali & Chemicals)	Plot no. 749, GIDC, Industrial estare, Jhagadia, Bharuch, Gujarat	9426811536 / 9558824857	2
5	Epigral Limited	CH1, CH2, CH/1+2B GIDC Industrial Estate, Dahej, Tal. Vagra, Bharuch - 392 130 Gujarat, India	+91 6357681503	1
6	Expanded Polymer Systems Pvt.Ltd	Plot No. 2, Dahej 2, Bharuch - Dahej Rd, Gujarat 392130	8511101585	3
7	GACL-NALCO Alkalies And Chemicals Pvt. Ltd.	Plot No D/II/9/1 & D/II/9/2, GIDC Dahej, Taluka: Vagra, Dist – Bharuch, Gujarat	+91 6352837605	1
8	Gail (India) Limited, Gandhar, Po. -Rozatankaria,	Tal.Amod, Dist.Bharuch, Gujarat, Pin-392140	7600447312	1
9	GNFC	D-2/8, GIDC Vill Rahiyad	9898063460	1
10	Grasim Industries Limited	Plot No.1. GIDC Vilayat, Tal-Vagra, Dist-Bharuch	9904409127	1
11	Gujarat Chemical Port Limited	P.O.- Lakhigam, Via- Dahej, Tal-Vagra, Dist- Bharuch, Gujarat- 392130.	+91 9316754266	3

S. No	Name & Factory	Address	Contact Number	No Of Fire Tender
12	Gujarat Fluoro Chemicals Limited	Plot No D-2-CH-173 + D-2-CH-222 Village-Jolva GIDC Dahej Industrial Estate Taluka : Vagra Distt: Bharuch 392130 Gujarat	+91 9316754266	3
13	Gujarat Fluorochemicals Limited,	12/A GIDC Dahej Industrial Estate, Taluka Vagra, District Bharuch 392130, Gujarat	+91 9316754266	3
14	Jubilant Ingrevia Limited & Jubilant Infrastructure Limited	Plot no. 5, Vilayat GIDC, Ta. Vagra, Bharuch-392012	9925236834	2
15	KIJ Organic Limited	Plot No-759,GIDC Estate, At&Po:Jhagadia,Ta:Ankleshwar Dist-Bharuch	9725954515	1
16	LANXESS India Pvt. Ltd,	Plot No. 748/2/A, 748/3 & 748/4/B +748/4/A/1, GIDC Estate, Jhagadia – 393110, Dist. Bharuch.	264522414	1
17	M/s. Aarti Industries Limited	Plot No: 758/1, 2 & 3, Survey No. 359, 360, 364, 358, 357, 356, 345, 348 GIDC Jhagadia, Dist-Bharuch, Gujarat - 393110	9998953992	1
18	M/s. Grasim Industries Limited, Cellulose Division	Plot No. 1, GIDC Industrial Estate, Vil. Vilayat, Tal. Vagra, Dist. Bharuch, Gujarat	99989 87086	1
19	M/s. PI Industries Ltd	237, GIDC Estate Panoli 394 116 Dist. Bharuch, Gujarat	02646-618200, 02646-618241, 02646-618332	1
20	National Thermal Power Corporation Ltd.	Village: JhanorBharuch	9437107884	1
21	ONGC Petro additions Limited	Plot #Z-1 & Z-83 C/o, Dahej SEZ Ltd., P.O Dahej, Taluka Vagra, District Bharuch, Gujarat – 392130, India	(02641) 666	3
22	Petronet LNG Limited.	Dahej Terminal	011-71233508	5
23	PI Industries Ltd.	Plot No: SPM 28, Sterling SEZ, At – Sarod, Ta – Jambusar, Dist. – Bharuch	02646-618200, 02646-618241, 02646-618332	1

S. No	Name & Factory	Address	Contact Number	No Of Fire Tender
24	PI Industries Ltd.	SPM 29/2, Sterling SEZ, At – Sarod, Ta – Jambusar, Dist. – Bharuch	02646-618200, 02646-618241, 02646-618332	1
25	Reliance Industries Ltd.	Dahej Manufacturing Division Dahej, Bharuch	9998001088	36
26	SRF Limited	D-2/1, GIDC Phase II , PCPIR, Dahej , District Bharuch, Gujarat - 392 130.	9904706759	1
27	Sterling Auxiliaries Pvt.Ltd,	Dahej,Taluka –Vagra,Dist- Bharuch	9909287465 7211109772	1
28	Vardhman Acrylics Ltd.	755 GIDC Mega Estate Jhaghadia, Dist. Bharuch	9712964525	1

Annexure

Annexure: - I5

BHARUCH DISTRICT AMBULANCE SERVICES

No.	New Amby No.	Location	Amby contact no. (EMT)	Amby contact no. (Pilot)	Mandal Name	TYPE
1	GJ18GC0374	Amod	6354909327	6354909322	Amod	Basic Life Support(BLS)
2	GJ18GC0016	Bhesali	6354909208	6354909206	Vagra	Basic Life Support(BLS)
3	GJ18GB4805	Jambusar	6354909415	6354909407	Jambusar	Basic Life Support(BLS)
4	GJ18GB5164	Jantran	6354909139	6354909132	Jambusar	Basic Life Support(BLS)
5	GJ18GB5134	Jhadeshwar Chokdi	6354909183	6354909174	Bharuch	Basic Life Support(BLS)
6	GJ18GB5174	Old Fire Station, Bharuch	6354909243	6354909231	Bharuch	Amyotrophic Lateral Sclerosis.(ALS)
7	GJ18GC0394	Palej	6354909199	6354909186	Bharuch	Basic Life Support(BLS)
8	GJ18GC0386	Vagra	6354908024	6354908021	Vagra	Basic Life Support(BLS)
9	GJ18GB9353	Ankleshwar	6354908019	6354908010	Anklesvar	Amyotrophic Lateral Sclerosis.(ALS)
10	GJ18GB2982	Hansot	6354909104	6354908035	Hansot	Basic Life Support(BLS)
11	GJ18GB5201	Jhagadia	6354909338	6354909330	Jhagadia	Amyotrophic Lateral Sclerosis.(ALS)
12	GJ18GC0174	Kharod	6354909357	6354909343	Anklesvar	Basic Life Support(BLS)
13	GJ18GB9207	Netrang	9227898518	9316752439	Netrang	Amyotrophic Lateral Sclerosis.(ALS)
14	GJ18GC0479	Netrang 2	9227898520	9316730321	Netrang	Basic Life Support(BLS)
15	GJ18GC0264	Umalla	9274685900	9316752436	Jhagadia	Basic Life Support(BLS)
16	GJ18GC0257	Shaktinath Circle	6354908029	6354908027	Bharuch	Basic Life Support(BLS)
17	GJ18GB4800	Gadkhol CHC	6354909379	6354909369	Anklesvar	Basic Life Support(BLS)
18	GJ18GC0040	Valia2	6354909368	6354909361	Valia	Basic Life Support(BLS)
19	GJ18GB9770	ICU_Bharuch	8160379057	8160412653	Bharuch	ICU

No.	New Amby No.	Location	Amby contact no. (EMT)	Amby contact no. (Pilot)	Mandal Name	TYPE
20	GJ18GC0355	Dahej	9274388017	9274387482	Vagra	Amyotrophic Lateral Sclerosis.(ALS)
21	GJ18GC0150	Vedach	9274387529	9274387523	Jambusar	Amyotrophic Lateral Sclerosis.(ALS)
22	GJ18GC0098	Pathar	9274387458	9274387455	Valia	Amyotrophic Lateral Sclerosis.(ALS)
23	GJ18GC0044	Tankariya	9274387174	9274387227	Bharuch	Basic Life Support(BLS)
24	GJ16G1180	CHC Vagra IFT	9227985826	9274387329	Vagra	GUJ_IFT(Interferential Therapy) BLS
25	GJ18GB9057	CHC Valia IFT	9227985838	9274388251	Valia	GUJ_IFT(Interferential Therapy) BLS
26	GJ16GA0369	PHC Moriyana IFT	9274388153	9227979853	NETRANG	GUJ_IFT(Interferential Therapy) BLS
27	GJ16G1396	PHC Dahej IFT		9274387241	Vagra	GUJ_IFT(Interferential Therapy) BLS
28	GJ16GA0259	CHC Valia IFT2	9227979816	9227979925	VALIA	GUJ_IFT(Interferential Therapy) BLS
29	GJ16GA0119	PHC Ilav IFT	9274388132	9274566480	BHARUCH	GUJ_IFT(Interferential Therapy) BLS
30	GJ16GA0336	PHC Dharoli IFT	9274388213	9227979856	JHAGADIA	GUJ_IFT(Interferential Therapy) BLS
31	GJ16AV7969	PHC Navetha IFT	9227979697	9274387132	BHARUCH	GUJ_IFT(Interferential Therapy) BLS
32	GJ16GA0240	PHC Tankari Bandar IFT		9227979788	JAMBUSAR	GUJ_IFT(Interferential Therapy) BLS
33	GJ18GC0767	CHC Amod IFT	9227979695	9227979784	Amod	GUJ_IFT(Interferential Therapy) BLS

Annex- I6 - List of Rescue equipments like Life Jacket, Fiber Ring, and Life boya, Rope, etc.

BHARUCH - LIST OF RESOURCES					
NO	ITEM NAME	NAGARPALIKA'S			
		NAGARPALIKA BHARUCH	NAGARPALIKA ANKLESHWAR	NAGARPALIKA AMOD	NAGARPALIKA JAMBUSAR
1	ROPE	15	2	0	2
2	LIFE JACKET	17	20	12	15
3	LIFE BUOY RING	10	12	5	10
4	SAFETY HELMET	22	14	0	2
5	GUM BOOTS	25	13	5	2
6	SAFETY GLOVES	25	17	5	5
7	GENERATOR	0	0	0	0
8	SAFETY GOGGLES	25	25	0	0
9	WHISTLE	0	0	0	0
10	FIRE EXTINGUISHER	8	10	5	10
11	FIRE SAFETY SUZE	25	12	2	2
12	BREATHINGMACHINE	4	0		0
13	FIRE RESISTANT CLOTH	0	4	2	0
14	WALKIE-TALKIE	4	2	2	2
15	TORCH	5	3	1	1
16	WOOD CUTTER	2	2	1	1
17	PUBLIC MIKE	1	1	1	1
18	SIREN	2	2	1	3
19	FLOOD LIGHT	1	1	0	0
20	NO DE WATERING PUMP	1	3	0	0

BHARUCH - LIST OF RESOURCES												
NO	ITEM NAME	BHARUCH DEOC	TALUKA NAME									
			BHARUCH		ANLESHWAR	VALIYA	HANSOT	NETRANG	JHAGADIYA	VAGRA	JAMBUSAR	AMOD
			URBAN	RURAL								
1	ROPE	8	0	0	37	7	48	3	2	15	26	12
2	LIFE JACKET	50	0	50	45	92	167	52	40	49	285	72
3	LIFE BUOY RING	8	0	10	57	117	220	15	10	35	131	163
4	SAFETY HELMET	123	0	0	10	3	0	15	0	15	11	0
5	GUM BOOTS	3	0	0	5	3	0	5	0	20	8	0
6	SAFETY GLOVES	109	0	0	10	0	6	15	0	4	7	0
7	GENERATOR	1	0	1 Close	1 Close	1	1	1	0	0	1 Close	0
8	SAFETY GOGGLES	44	0	0	10	0	0	15	0	4	7	0
9	WHISTLE	12	0	0	0	0	0	0	0	0	0	0
10	FIRE EXTINGUISHER	4	0	0	0	2	0	24	0	0	0	0
11	FIRE SAFETY SUZE	0	0	0	0	0	0	0	0	0	0	0
12	BREATHINGMACHINE	0	0	0	0	0	0	0	0	0	0	0
13	FIRE RESISTANT CLOTH	0	0	0	0	0	0	0	0	0	0	0
14	WALKIE-TALKIE	0	0	0	0	0	2	1	2	2	2	2
15	TORCH	6	1	1	1	1	1	1	1	1	1	2
16	WOOD CUTTER	1	1	1	1	2	2	2	2	2	1	1
17	PUBLIC MIKE	1	1	1	1	1	1	1	1	1	1	1
18	SIREN	1	1	12	12	5	9	5	12	10	4	6
19	FLOOD LIGHT	4	1	1	1	1	1	1	1	1	1	1
20	NO DE WATERING PUMP	0	0	8	0	2	0	0	0	1	8	19

Annex- I7 Details of Dewatering pumps under GIDC Bharuch Region								
Sr. No.	Name of Agency	Contact Person	Cell No.	Available pump set	Capacity	Available D.G. Set	Capacity	Location of Pump Set
1	M/s. Hitesh Electrical	(1) Mr. Hitesh Patel	9974705060 9824180020	3	10 HP	1	100 KVA	Bharuch
		(2) Mr. N.K. Parmar, NAO, Bharuch	9825021016	2	7.5 HP	1	70 KVA	
				2	5 HP	1	15 KVA	
2	M/s R.C Patel	(1) Mr. Amish Patel	9824270444	1	5 HP	1	15 KVA	Dahej
		(2) Mr. H.M. Patel, AAE, Bharuch	8511182997	1	7.5 HP			
3	M/a. Sachin Water Supply Co.	(1) Mr. Sushilbhai	9825313004	6	5 HP			Dahej
		(2) Mr. H.M. Patel, AAE, Bharuch	8511182997	1	7.5 HP			
4	M/s. RKC Infrabuilt	(1) Mr. Kamlesh Ahir	9099918047	1	10 HP			Dahej
		(2) Mr. D.K. Pansara, A.E., Bharuch	9925042373					
		(2) Mr. D.K. Pansara, A.E., Bharuch	9925042373					
5	NAO, Ankleshwar	(1) Mr. Arvind Mayatra , AAE, Ankleshwar	9879110124 /9909948901	3	5 HP	9		Ankleshwar
6	NAO, Panoli	(1) Mr. H.N. Dave, DEE, Panoli	9714109609 / 9879110075	1	5 HP			Panoli

Annexure: - I8

List of Machine Boats information

NO	Name Of Taluka	Name Of Village	Details Of Machine Boat	
			Name	Mobile Number
1	BHARUCH	Zadeshwar	Jignesh Bhai Machhi	
2	BHARUCH	Tavra	Vasava Ishvarbhai Amirbhai	6353665076
3	BHARUCH	Mangleshwar	Sandipbhai Dhanjibhai Vasava	9924626737
4	BHARUCH	Jhanor	Kamlesh R Machi	9510742371
5	BHARUCH	Bhadbhut	Ambalal Mohanbhai Machhi	9724205452
6	BHARUCH	Mahegam	Lalji Galab Rathod	9875143502
7	BHARUCH	Nikora	Ramajibhai Vasava	9426894639
8	BHARUCH	Kukarwada	Rameshbhai Patel	-
9	BHARUCH	Vadva	Mohamed Ikbal Patel	-
10	ANKLESHWAR	Borbhatha	Jagadishbhai Bhanabhai Rathod	9106748192
11	ANKLESHWAR	Borbhatha Bet	Nareshbhai Kalubhai Vasava	9328517707
12	ANKLESHWAR	Dhanturiya	Chandubhai Patel	8140659740
13	ANKLESHWAR	Kansiya	Naresbhai Naginbhai Vasava	972632442
14	ANKLESHWAR	Kansiya	Pravinbhai Dahyabhai Vasava	2.990406907
15	ANKLESHWAR	Sakkarapor	Vasava Akashbhai Jivaram	9714026111
16	ANKLESHWAR	Sakkarapor	Vasava Amaratbhai Bhanabhai	8238474289
17	ANKLESHWAR	Sakkarapor	Vasava Mukeshbhai Somabhai	9106511016
18	ANKLESHWAR	Sakkarapor	Vasava Praveenbhai Somabhai	9879422544
19	ANKLESHWAR	Sakkarapor	Vasava Chandubhai Sardhabhai	9023004317
20	ANKLESHWAR	Sakkarapor	Vasava Babubhai Dhanjibhai	9904067793
21	ANKLESHWAR	Sakkarapor	Vasava Ganpatbhai Shankarbhai	9904067791
22	ANKLESHWAR	Sakkarapor	Vasava Maheshbhai Bhagwanbhai	9512425876
23	ANKLESHWAR	Sakkarapor	Vasava Kalidas Shankarbhai	9904067991
24	ANKLESHWAR	Sakkarapor	Vasava Gapurbhai Melabhai	9925615861
25	ANKLESHWAR	Sakkarapor	Vasava Bhagwanbhai Melabhai	9512425876

26	ANKLESHWAR	Sakkarapor	Vasava Ramubhai Bhagwanbhai	7567440970
27	ANKLESHWAR	Sakkarapor	Vasava Bhikhabhai Raijibhai	7567624632
28	ANKLESHWAR	Sakkarapor	Vasava Rameshbhai Reshmabhai	9913559084
29	ANKLESHWAR	Sisodra	Sanketbhai Vakharia	7201888588
30	ANKLESHWAR	Sisodra	Rameshbhai S. Patel	9925186329
31	ANKLESHWAR	Taria	Releshbhai Vasava	7359092395
32	ANKLESHWAR	Taria	Daksha Jayantibhai	9510235192
33	NETRANG	Pingot	Jayeshbhai Natubhai	6355005518
34	JAMBUSAR	Zaamdi	Pravin Machhi	9328651708
35	JAMBUSAR	Kavi	Ramesh Machi	8511942811
36	JAMBUSAR	Nahar	Rajubhai G Vaghela	8320687513
37	JAMBUSAR	Sarod vanta	Sanjay Bhaylal vaghela	9081946564
38	JAMBUSAR	Sarod	Punambhai vaghela	8511432493
39	VAGRA	Koliad	Ranjitbhai	9924340732
40	VAGRA	Luvara	Rathod Dahyabhai Ratanbhai	8128862827

Annex – I9 List of Simple Boat :

NO	Name Of Taluka	Name Of Village	Details Of Simple Boat	
			Name	Mobile Number
1	BHARUCH	Jhadeshwar	Jignesh Bhai Machhi	8866719469
2	BHARUCH	Mangleshwar	Sureshbhai Vasava	9723386499
3	BHARUCH	Jhanor	Rahul Machi	8140731642
4	BHARUCH	Angareshwar	Jayesh Machhi	9265991965
5	BHARUCH	Shuklatirth	Manabhai Lalabhai Vasava	9824466824
6	NETRANG	Pingot	Jayeshbhai Natubhai	6355005518
7	JAMBUSAR	Kavi	Jitesh Machi	973765817
8	JAMBUSAR	Piludara	Laxmanbhai Charotara	8485931632
9	JAMBUSAR	Dabha	Gaffurbhai	-
10	JAMBUSAR	Malpur	Chandubhai Nanabhai Machi	8238188995
11	VAGRA	Ambheta	Gohil Ranjitbhai Chandubhai	9925221325
12	VAGRA	Kaladara	Hakubha Gemalsang Raj	9537861150
13	VAGRA	Suva	Gohil Dhiram Laxman	-

Annex- J List of Swimmer: -

No	Name Of Taluka	Name Of Village	Details Of Swimmers	
			Name	Mobile Number
c	BHARUCH	Palej	Salmankhan Pathan	9313312413
2	BHARUCH	Bholav	Ajay C. Vasava	
3	BHARUCH	Parkhet	Ranchhod M.Mana	9725719767
4	BHARUCH	Kanthariya	Raju Ambu Vasava	8160750170
5	BHARUCH	Nandelav	Rajubhai Vasava	9723691053
6	BHARUCH	Rahadpor	Nilesh Mukesh Vasava	9974958740
7	BHARUCH	Jhadeshwar	Mukesh Bhai Budha Bhai Vasava	9099183834
8	BHARUCH	Tavra	Vasava Kalidas Fatubhai	7203911877
9	BHARUCH	Manubar	Tabarezbhai Mugat	9924255786
10	BHARUCH	Shahpura	Rameshbhai Gambhir Vasava	7861082212
11	BHARUCH	Kelod	Mehul Ambalal	9726991489
12	BHARUCH	Tankariya	Munaf Gulam Jiva	9924366325
13	BHARUCH	Mangleshwar	Manishbhai P. Vasava	9724948381
14	BHARUCH	Jhanor	Rahulbhai R Machi	8140731642
15	BHARUCH	Hinglot	Suresh Hira Rathod	-
16	BHARUCH	Samlod	Vasava Yogeshbhai Kantibhai	9081740783
17	BHARUCH	Bambusar	Prbhatbhai Manga Vashava	-
18	BHARUCH	Angareshwar	Jayesh Himmat Machhi	9265991965
19	BHARUCH	Sindhot	Maheshbhai D. Padhiyar	7984305110
20	BHARUCH	Kavitha	Sunilbhai Chaturbhai Vasava	9624401378
21	BHARUCH	Varediya	Sabir Musa Kadu	9898653017
22	BHARUCH	Uprali	Sukabhai Manabhai Vasava	7859872458
23	BHARUCH	Pipaliya	Patel Hardik T	7698699572
24	BHARUCH	Jhanghar	Sanjay Patanvadiya	9723954622
25	BHARUCH	Dehgam	Burabhai Vasava	8799370670
26	BHARUCH	Karela	Aksay Raj Vasava	9904383091
27	BHARUCH	Osara	Ratilal Lalubhai Pavanvadiya	8780117896
28	BHARUCH	Vadadala	Rajubhai Jitubhai Vasava	9979783341
29	BHARUCH	Paguthan	Patel Sakir Ilyas	7016796268
30	BHARUCH	Eksal	Maheshbhai Ravjibhai	9875029927
31	BHARUCH	Manad	Girishbhai Rathod	-
32	BHARUCH	Kesrol	Ramesh Budha Rathod	8511577850
33	BHARUCH	Navetha	Dashrathbhai Vasava	9924824291
34	BHARUCH	Umraj	Isran Imran Diwan	7600389515
35	BHARUCH	Sherpura	Imran Yakub Kadva	7405263678
36	BHARUCH	Dayadara	Javid Yakub Bordiwala	9725665037
37	BHARUCH	Derol	Dilawar Nannu Malek	9924378410

38	BHARUCH	Haldar	Virendra S Vasava	8128879849
39	BHARUCH	Haldarva	Hiteshbhai Yoginbhai Vasava	
40	BHARUCH	Segva	Sarfraz Banu	7285867938
41	BHARUCH	Sitpon	Sahl Mustak Gani	8156062603
42	BHARUCH	Karmad	Harun Udera	9914167961
43	BHARUCH	Bhadbhut	Rajeshbhai Jema Bhai Machhi	7698323083
44	BHARUCH	Dabhali	Rajubhai Ramanbhai Vasava	-
45	BHARUCH	Karjan	C M Goswami	9979229727
46	BHARUCH	Padriya	Mela Raman Vasava	9586850920
47	BHARUCH	Adol	Poonambhai Vasava	9904072938
48	BHARUCH	Ghodi	Siraj Khojbariya	9824730430
49	BHARUCH	Kasva	Anilbhai A. Vasava	
50	BHARUCH	Mahegam	Bhaves B Rathod	9054655210
51	BHARUCH	Kahan	Bhikhabhai Rathodiya	8733028319
52	BHARUCH	Aamdada	Tribhuvan Vasava	-
53	BHARUCH	Tralsa	Jashubhai Shravan Vasava	7096007248
54	BHARUCH	Shankhavad	Zihan Mansuri	8200495552
55	BHARUCH	Kothi	Abdul Hafiz Mahammad Bhagyasali	9924365225
56	BHARUCH	Vahalu	Yogesh Natwar Vasava	9924058436
57	BHARUCH	Luwara	Abbas Khalifa	9904738084
58	BHARUCH	Sarnar	Rakesh Rajvadi	9724198334
59	BHARUCH	Kamboli	Rakesh Rajendra Vasava	8347723342
60	BHARUCH	Dashan /Vervada	Mansukh Kantibhai Vasava	6352975922
61	BHARUCH	Vagusana	Vijay Jivan Vaghari	6358280952
62	BHARUCH	Kurla	Kanti Vardhabhai Vasava	9726802159
63	BHARUCH	Shuklatirth	Manabhai Lalabhai Vasava	9824466824
64	BHARUCH	Vansi	Abdul Mahamad Patel	8141537965
65	BHARUCH	Simaliya	Ajay Bhudar Vasava	
66	BHARUCH	Nikora	Ramaji T Vasava	9426884639
67	BHARUCH	Umara/Asuriya	Kanubhai Bhagwan	9904412292
68	BHARUCH	Kukarwada	Ratilal Patel	-
69	BHARUCH	Mahudhala	Basirbhai Aiyub Patel	9904981780
70	BHARUCH	Vadva	Dinesh Sana Rathod	-
71	BHARUCH	Bhuva	Sanjay Vasava	9924355879
72	BHARUCH	Manch	Suka Mana Vasava	7859872458
73	BHARUCH	Pariej	Altaf Ishmail Piti	9316076176
74	ANKLESHWAR	Adadara	Ankitbhai Sanpatbhai Vasava,	
75	ANKLESHWAR	Bakrol	Ankitbhai Rameshbhai Patel	8140488026
76	ANKLESHWAR	Bakrol	Rajubhai Ranchodbhai Patel	6355188751
77	ANKLESHWAR	Bakrol	Jigneshbhai R. Patel	9265992284
78	ANKLESHWAR	Bakrol	Maheshbhai Navalbhai Patel	9904850797
79	ANKLESHWAR	Bakrol	Mansukhbhai Manubhai Vasava	9879448372
80	ANKLESHWAR	Bakrol	Girishbhai Hasmukhbhai Patel	6353717467
81	ANKLESHWAR	Bakrol	Dineshbhai I.Patel	8141125263
82	ANKLESHWAR	Bhadi	Imtiaz Adat	9913229048
83	ANKLESHWAR		Mushtaq Sidat	7016616517
84	ANKLESHWAR		Zakir Tarki	7572955258

85	ANKLESHWAR		Imran Bhaiyat	9173188360
86	ANKLESHWAR	Bharan	Jagdishbhai Thakorabhai Vasava	8160166829
87	ANKLESHWAR		Rameshbhai Pochiyabhai Vasava	9227094122
88	ANKLESHWAR	Borbhatha	Pareshbhai Jeshangbhai Vasava	9328850559
89	ANKLESHWAR	Borbhatha Bet	Nareshbhai Kalubhai Vasava	932851770
90	ANKLESHWAR	Chhapra	Nitinbhai Maheshbhai Vasava	9537585878
91	ANKLESHWAR	Dhanturiya	Anilbhai Vasava	9737766129
92	ANKLESHWAR	Divi	Arvinbhai Bhagubhai Vasava	8780221710
93	ANKLESHWAR	Divi	Vasava Vijaybhai Mangabhai	9825462758
94	ANKLESHWAR	Divi	Vasava Ketankumar Rajubhai	8511067804
95	ANKLESHWAR	Divi	Vasava Balubhai Ambalal Bhai	9724680245
96	ANKLESHWAR	Divi	Vasava Bavijaybhai Pratapbhai	9904535284
97	ANKLESHWAR	Divi	Vasava Sureshbhai Mangabhai	7759359738
98	ANKLESHWAR	Divi	Vasava Sahil Dilipbhai	8141021123
99	ANKLESHWAR	Kansiya	Kaushikbhai Manilalbhai Vasava	962417618
100	ANKLESHWAR	Kansiya	Mineshbhai Laxmanbhai Patel	9904790221
101	ANKLESHWAR	Kansiya	Sureshbhai Ambalal P.V.	9428321082
102	ANKLESHWAR	Kansiya	Rakeshbhai Dineshbhai Patel	9586890257
103	ANKLESHWAR	Kansiya	Rajeshbhai Naginbhai Vasava	9427873440
104	ANKLESHWAR	Kosamdi	Sugreev Barsang Vasava	8488800966
105	ANKLESHWAR	Kosamdi	Karan Ramesh Vasava	9712704054
106	ANKLESHWAR	Kosamdi	Yunus Kader Shah	9924721866
107	ANKLESHWAR	Kosamdi	Imtiaz Kader Shah	9723802326
108	ANKLESHWAR	Kosamdi	Rakesh Shambhu Vasava	9974249941
109	ANKLESHWAR	Mandvabhujarg	Pravinbhai Ratilal Vasava	635828008
110	ANKLESHWAR	Mandvabhujarg	Ganpatbhai Girdharbhai Vasava	9724843397
111	ANKLESHWAR	Mandvabhujarg	Lalabhai Dahyabhai Pate	9638370614
112	ANKLESHWAR	Sakkarapor	Vasava Akashbhai Jivarambhai	9714026111
113	ANKLESHWAR	Sakkarapor	Vasava Sandeepbhai Babubhai	9714657976
114	ANKLESHWAR	Sakkarapor	Vasava Rameshbhai Jerambhai	9638851142
115	ANKLESHWAR	Sakkarapor	Vasava Satishbhai Arjunbhai	9265069207
116	ANKLESHWAR	Sakkarapor	Vasava Rajeshbhai Rameshbhai	7861953899
117	ANKLESHWAR	Sakkarapor	Vasava Vishalbhai Chandubhai	9023004317
118	ANKLESHWAR	Sakkarapor	Vasava Ganeshbhai Galabbhai	9726209014
119	ANKLESHWAR	Sakkarapor	Vasava Rupeshbhai Rajubhai	8980327589
120	ANKLESHWAR	Sakkarapor	Vasava Jayeshbhai Maheshbhai	9327366288
121	ANKLESHWAR	Sakkarapor	Vasava Nirmalbhai Amaratbhai	9099271432
122	ANKLESHWAR	Sakkarapor	Vasava Chandubhai Saradhbhai	9726209014
123	ANKLESHWAR	Sakkarapor	Vasava Lalubhai Chhotubhai	6354088244
124	ANKLESHWAR	Sakkarapor	Vasava Babubhai Dhanjibhai	9904067793
125	ANKLESHWAR	Sakkarapor	Vasava Ganpatbhai Shankarbhai	9904067791
126	ANKLESHWAR	Sakkarapor	Vasava Kalidas Shankarbhai	9904067791
127	ANKLESHWAR	Sakkarapor	Vasava Lalabhai Thakorabhai	9265731037
128	ANKLESHWAR	Sakkarapor	Vasava Balubhai Chimanbhai	9638372051
129	ANKLESHWAR	Sakkarapor	Vasava Satishbhai Shambhubhai	9875056311
130	ANKLESHWAR	Sakkarapor	Vasava Maheshbhai Shambhubhai	7359988936

131	ANKLESHWAR	Sakkarapor	Vasava Rakeshbhai Bhikhabhai	9023812726
132	ANKLESHWAR	Sakkarapor	Vasava Rameshbhai Reshmabhai	9913559084
133	ANKLESHWAR	Sakkarapor	Vasava Nileshbhai Rameshbhai	9913559084
134	ANKLESHWAR	Sakkarapor	Vasava Nitinbhai Rameshbhai	9913559084
135	ANKLESHWAR	Sakkarapor	Vasava Lakhanbhai Jashwantbhai	9978560183
136	ANKLESHWAR	Sakkarapor	Vasava Baldevbhai Shantubhai	8320972194
137	ANKLESHWAR	Sakkarapor	Vasava Naginbhai Kiliyabhai	8469572393
138	ANKLESHWAR	Sakkarapor	Ahir Rahulbhai Mahendrabhai	7874485777
139	ANKLESHWAR	Sakkarapor	Ahir Harshitbhai Somabhai	6355181127
140	ANKLESHWAR	Sakkarapor	Ahir Maheshbhai Khodabhai	9879923190
141	ANKLESHWAR	Sakkarapor	Ahir Chiragbhai Khodabhai	6352857750
142	ANKLESHWAR	Sakkarapor	Ahir Kevinbhai Natabhai	7359360975
143	ANKLESHWAR	Sakkarapor	Ahir Piyushbhai Khodabhai	9510123166
144	ANKLESHWAR	Sakkarapor	Ahir Jai Hareshbhai	6365227213
145	ANKLESHWAR	Sakkarapor	Ahir Vishalbhai Ranchhodbhai	9727825428
146	ANKLESHWAR	Sakkarapor	Mahant Ravi Kanabhai	9575478487
147	ANKLESHWAR	Sarfuddin	Ramanbhai Somabhai Vasava	9567177053
148	ANKLESHWAR	Sisodra	Anilbhai Z. Vasava	95583 38613
149	ANKLESHWAR	Sisodra	Satishbhai V. Vasava	90231 65586
150	ANKLESHWAR	Taria	Nimesh Patel	7096345867
151	ANKLESHWAR	Piraman	Dineshbhai Chhana Vasava	992518514
152	ANKLESHWAR	Piraman	Ramdev Laxmanbhai Vasava	9723649255
153	ANKLESHWAR	Piraman	Vijaybhai Vasava	9723649255
154	ANKLESHWAR	Pungam	Navinbhai Vasava	6351505783
155	ANKLESHWAR	Pungam	Ajaybhai Vasava	9327282454
156	ANKLESHWAR	Andada	Hitendrasinh Ranjitsinh Parmar	960146011
157	ANKLESHWAR	Andada	Lakshmanbhai Jinabhai Vasava	-
158	ANKLESHWAR	Andada	Thakorabhai Jagabhai Ahir	-
159	ANKLESHWAR	Andada	Prafulbhai Devabhai Vasava	-
160	ANKLESHWAR	Bhadrakodra	Jayeshbhai Chimanbhai Patel	9099429090
161	VALIA	Valia	Sudhirbhai Vasava	9726377513
162	VALIA	Valia	Vasava Ketanbhai	8849217114
163	VALIA	Valia	Vijaykumar Patel	6359417727
164	VALIA	Valia	Vasava .Dadubhai	9879404737
165	VALIA	Valia	Akshaybhai Sukabhai Vasava	9727251093
166	VALIA	Hirapor	Rajeshbhai Vasava	7862986045
167	VALIA	Hirapor	Vasava Dineshbhai	7016747984
168	VALIA	Kondh	Dipakbhai J Vasava	9687248875
169	VALIA	Kondh	Sanjaybhai S Vasava	9624364951
170	VALIA	Kondh	Ayub A Kharodiya	9574805809
171	VALIA	Kondh	Mehul M Vasava	9714868026
172	VALIA	Kondh	Navinbha T Vasava	9106892585
173	VALIA	Kondh	Rajendrabhai Virambhai Vasava	6351599567
174	VALIA	Aldhari	Mahendrabhai Virambhai Vasava	-
175	VALIA	Siludi,Dodvada	Daud Habib Babar	6355586864
176	VALIA	Kara	Arvindbhai Vasava	9909257051

177	VALIA	Mera	Mangabhai Vasava	9274097006
178	VALIA	Gandhu	Sanajaybhai Vasava	9016939696
179	VALIA	Dansoli	Ajaybhai C. Vasava	9427099419
180	VALIA	Luna	Maneshkumar Arjunbhai Vasava	7874690800
181	VALIA	Pansoli	Suresh Bhai K Vasava	9712230191
182	VALIA	Pansoli	Ajaybhai Pahadsing Bhai Vasava	6353184169
183	VALIA	Pansoli	Nileshbhai Ajitbhai Vasava	9638806628
184	VALIA	Sinada	Sanmukhbhai Ratanbhai Vasava	9427484314
185	VALIA	Sinada	Navinbhai P Vasava	9638181703
186	VALIA	Kanerav	Sanjaybhai Manabhai Vasava	8980944841
187	VALIA	Kanerav	Dipakbhai S Vasava	6354105350
188	VALIA	Kanerav	Avinashbhai V Vasava	8469970902
189	VALIA	Karsad	Sagar K Vasava	8980551930
190	VALIA	Karsad	Pradipbhai J Vasava	9510528308
191	VALIA	Karsad	Narehbhai K Vasava	9512180158
192	VALIA	Dungari	Sunilbhai B Vasava	8200783366
193	VALIA	Dungari	Ankurbhai Gajendrabhai Vasava	9328179805
194	VALIA	Dungari	Divyeshbhai Dilipbhai Vasava	6353447981
195	VALIA	Ghoda ,Jolly	Vasava Aajitbhai Rameshbhai	7284899151
196	VALIA	Jabugam	Bipinbhai Vasava	7567020937
197	VALIA	Sodgam	Mayurbhai Vasava Shantubhai	9409096703
198	VALIA	Sodgam	Vasava Mohanbhai Rohit	8320689180
199	VALIA	Desad	Vinodbhai Kantubhai Vasava	8799158515
200	VALIA	Bhamadiya	Ramanbhai Rameshbhai Vasava	9726992676
201	VALIA	Holakotar, Nikoli, Patal	Nileshbhai Vasava	9586420071
202	VALIA	Bharadiya	Dhavalbhai Dharmendrabhai Vasava	6353224958
203	VALIA	Rajgad, K	Nileshbhai Morarbhai Vasava,	7567770377,
204	VALIA	Osmadi	Nileshbhai Ratilalbhai Vasava,	9537073983
205	VALIA	Osmadi	Aatmaram Ravichand Vasava	
206	VALIA	Dholgam	Jamshubhai Rahjibhai Vasava	9825511353
207	VALIA	Mokhadi	Vasava Vinodbhai Bhogilalbhai	9327681849
208	VALIA	Rajpara	Vasava Ashishbhai Kushbhai	8200922709
209	VALIA	Daheli	Narsingbhai Somabhai Vasava	9601470886
210	VALIA	Pithor	Rameshbhai Topalbhai Vasava	9879360868
211	VALIA	Umargam	Vijaybhai Vasava, Dineshbhai Vasava	9913236074
212	VALIA	Vithhalgam	Yogeshbhai Vasava, Parthbhai Vasava	9099268362
213	VALIA	Tuna	Rakeshbhai Maganbhai Vasava	9925652381
214	VALIA	Petiya	Vasava Aneshbhai Vechanbhai	9779766746
215	VALIA	Gundia	Vasava Arunbhai	9265759731
216	VALIA	Sabariya	Chaudhari Mukeshbhai	8799564230
217	VALIA	Sevad	Nreshbhai Gamit	9099813310
218	VALIA	Rundha	Chaudhari Alpeshbhai	9727522230
219	VALIA	Jamaniya, Mirapor	Chaudhari Bipinbhai	9510055875
220	VALIA	Dolatpur	Vasava Mansukhbhai Shankarbhai	9316493213
221	VALIA	Shir	Vasava Sandipkumar Ashokbhai	9924955331

222	VALIA	Pathar	Kishanbhai Vishnubhai Vasava	9586497976
223	VALIA	Zokhla	Sahdevbhai Sukhdevbhai Vasava	7572880412
224	VALIA	Bhilod	Sukabhai Maganbhai Vasava	8320327004
225	VALIA	Vagalkhod	Sukabhai Maganbhai Vasava	8320327004
226	VALIA	Itakala,	Vijaybhai Mathurbhai Vasava	9879474271
227	VALIA	Kesargam, Singla,	Kamleshbhai Govindbhai Vasava	9726965087
228	VALIA	Navapara	Rajubhai Kalidasbhai Vasava	9081178918
229	VALIA	Navapara	Arvindbhai Rameshbhai Vasava	9313625712
230	VALIA	Navapara	Ghanashyambhai Chhanabhai Gamit	9638816700
231	NETRANG	Mauza	Mukeshbhai Gambhirbhai Vasava	9687320711
232	NETRANG	Mauza	Maheshbhai Bhimabhai Vasava	7016400630
233	NETRANG	Chasvad	Sunilbhai Gokulbhai Vasava	9727367113
234	NETRANG	Chasvad	Vijaybhai Ishwarbhai Vasava	9687996683
235	NETRANG	Zarna	Navinbhai Mohanbhai Chaudhary	9106353341
236	NETRANG	Zarna	Ranjitbhai Prabhatbhai Vasava	7984604739
237	NETRANG	Kavachiya	Akshaybhai Bhimsingbhai Vasava	7861899191
238	NETRANG	Kavachiya	Rajeshbhai Bharatbhai Vasava	9913690979
239	NETRANG	Zarnawadi	Mahendrabhai Ramabhai Vasava	8758554583
240	NETRANG	Zarnawadi	Arjunbhai Gokulbhai Vasava	9316648124
241	NETRANG	Nana	Sirilbhai Anilbhai Vasava	6353208516
242	NETRANG	Jambuda	Samuelbhai Rajeshbhai Vasava	8849721704
243	NETRANG	Pingot	Ketanbhai Dhirubhai Chaudhary	9099363135
244	NETRANG		Vishalbhai Dshariyabhai Vasava	6353251670
245	NETRANG	Kakadkui	Jitendrabhai Rambhai Vasava	8980589464
246	NETRANG		Girishbhai Janiyabhai Vasava	9537462134
247	NETRANG	Mota	Dhamendrabhai Babubhai Vasava	6351854175
248	NETRANG	Jambuda	Dineshbhai Ramanbhai Vasava	9327129922
249	NETRANG	Arethi Group	Rajeshbhai Bachubhai Vasava	9913482439
250	NETRANG	Arethi Group	Gurubhai Armalbhai Vasava	6469827290
251	NETRANG	Netrang	Sachinbhai Dharmasingh	8469681043
252	NETRANG	Netrang	Sandeepbhai Rameshbhai Vasava	9712166253
253	NETRANG	Baldava	Jashwatbhai Mangabhai Vasava	8980433607
254	NETRANG	Baldava	Kanubhai Jasingbhai Vasava	8980433607 9510852286
255	NETRANG	Aatkhol	Vajirbhai Rajesbhai Vasava	9327560381
256	NETRANG	Group	Dharmeshbhai Devjibhai Vasava	9327214126
257	NETRANG	kambodiya	Manojbhai Rameshbhai Vasava	6353836224
258	NETRANG	kambodiya	Akshay Karmanbhai Baria	9586260167
259	NETRANG	Kelvikuwa	Dilipbhai Umedbhai Vasava	9712009884
260	NETRANG	Group	Rameshbhai Rataniyabhai Vasava	6355412588
261	NETRANG	Bilothi	Arpanbhai Shantilalbhai Vasava	9016705763
262	NETRANG	Bilothi	Hiteshbhai Gokulbhai Vasava	7861011178
263	NETRANG	Koylimadvi	Sahadebhai Shantilal Vasava	9106186352
264	NETRANG	Koylimadvi	Ashwinbhai Laxmanbhai Vasava	9712447793
265	NETRANG	Kamaliya	Rupeshbhai Dineshbhai Vasava	6352998871
266	NETRANG	Kamaliya	Pradumanbhai Dineshbhai Vasava	9510785140

267	NETRANG	Rajwadi	Piyushbhai Shantilalbhai Vasava	9913769920
268	NETRANG	Rajwadi	Ranjitbhai Bitesing Vasava	6352426147
269	NETRANG	Thawa Group	Mayurbhai Ramubhai Vasava	7046768567
270	NETRANG	Thawa Group	Sombhai Bhaylabhai Vasava	8469927516
271	NETRANG	Bilatha Group	Pravinbhai Rasikbhai Vasava	9016864761
272	NETRANG	Bilatha Group	Navneetbhai Bachubhai Vasava	6352218984
273	NETRANG	Kharetha	Lalabhai Chandubhai Vasava	9409067353
274	NETRANG	Group	Ateshbhai Tuliabhai Vasava	7863815670
275	NETRANG	Anjoli Group	Dhruvkumar Vasantbhai Vasava	9687987183
276	NETRANG	Anjoli Group	Harsadbhai Mangabhai Vasava	9729384694
277	NETRANG	Galiba	Naysadbhai Ravindrabhai Vasava	9328513231
278	NETRANG	Group	Mangaldas Budhilalabhai Vasava	9323794231
279	NETRANG	Timla Group	Dashrathbhai Vasava	9099983996
280	NETRANG	Timla Group	Mangalbhai Khansingbhai Vasava	7575810500
281	NETRANG	Chandravaa	Sarmukhbhai Lalbhai Vasava	8401176140
282	NETRANG	N Group	Chandravadanbhai Kantibhai Vasava	7862906825
283	NETRANG	Moriyana-	Dharmeshbhai Mangabhai Vasava	9879779233
284	NETRANG	Chiklota	Navinbhai Sureshbhai Vasava	8780297094
285	NETRANG	Moriyana-	Amar Singhbhai Prabhubhai Vasava	9979409891
286	NETRANG	Kuri	Jagdishbhai Chhnabhai Vasava	7567539111
287	NETRANG	Kantipada	Devabhai Kantibhai Vasava	7265076529
288	NETRANG	Kantipada	Arjunbhai Chhnabhai Vasava	7435843145
289	NETRANG	Bhenskhatar	Bhaveshbhai Vasava	9712815581
290	NETRANG	Group	Budhiyabhai Maganbhai Vasava	9510349963
291	NETRANG	Dholekham	Pradipbhai Bharatbhai Vasava	8469842890
292	NETRANG	Group	Maneshbhai Manubhai Vasava	7016275877
293	NETRANG	Fokdi Group	Ishwarbhai Jethabhai Vasava	9723584510
294	NETRANG	Fokdi Group	Sarmukhbhai Walusinghbhai Vasava	6352433408
295	NETRANG	Vankhunta	Sahadevbhai Sombhai Vasava	7624082915
296	NETRANG	Group	Kamleshbhai Kalujibhai Vasava	8469773492
297	NETRANG	Vankol	Mansukhbhai Chhatiyabhai Vasava	9265019320
298	NETRANG	Group	Sanjaybhai Virsinghbhai Vasava	7698242370
299	NETRANG	Motamalpor	Arjunbhai Deepsinghbhai Vasava	6351014832
300	NETRANG	e Group	Harisinghbhai Ramsinghbhai Vasava	9574304765
301	NETRANG	Ashnavi	Jitendrabhai Kanjibhai Vasava	9624849488
302	NETRANG	Ashnavi	Anilbhai Ukkadbhai Vasava	7698976438
303	NETRANG	Sajanvav	Chetanbhai Kanubhai Vasava	9978169075
304	NETRANG	Sajanvav	Sanjaybhai Bharatbhai Vasava	7859909574
305	NETRANG	Chikhli	Vishalbhai Maganbhai Vasava	9913394691
306	NETRANG	Koliwada Group	Vipulbhai Mansinghbhai Vasava	9265098404
307	NETRANG	Koliwada Group	Raulbhai Ranjitbhai Vasava	9510749220
308	JHAGADIA	Achhaliya	Machhi Ravisankarbhai Chimanbhai	9428687010
309	JHAGADIA	Jamboi	Machhi Thakorabhai Sukabhai	9824389020
310	JHAGADIA	Jespore	Pandya Rajendrakumar Vibhakar	6351522749

311	JHAGADIA	Anadhara	Machhi Pareshbhai Chandubhai	9898856935
312	JHAGADIA	Avidha	Vasava Arvindbhai Harisingbhai	9429285626
313	JHAGADIA	Ranipura	Vasava Rakeshbhai Karshanbhai	9824477671
314	AMOD	Achhod	Anis Ibrahim Langya	9737216646
315	AMOD	Denava	Ramesh Sindha	9978327981
316	AMOD	Mangarol	Rathod Sanjay Bharat	9664734985
317	AMOD	Dora	Ashokbhai Prabhatbhai	9723956970
318	AMOD	Malkinapura	Miteshkumar Parmar	7046208602
319	AMOD	Ikhar	MINHAJ SULEMAN HAYAT	8401155015
320	AMOD	Roja Tankariya	Vijaybhai Kacharabhai Rathod	9904407626
321	AMOD	Simartha	Chintanbhai Prabhatbhai Pa. Va	8780284762
322	AMOD	Sarabhan	Vinay Patel	-
323	AMOD	Ranada	Indrajit Solanki	9687061414
324	AMOD	Anor	Jitendra Solanki	9978183108
325	AMOD	Telod	Rajubhai Thakor	6351183107
326	AMOD	Danda	Piyush Patel	9624464693
327	AMOD	Suthodara	Piyush Patel	9624464693
328	AMOD	Karena	Kesurbhai Gobarbhai	7573917268
329	AMOD	Keravada	Jasav Dashrathbhai	99798 85088
330	AMOD	Bodaka	Vishal Manharbhai Padhiyar	9638236441
331	AMOD	Asnera	Miteshbhai Kanubhai Patel	-
332	AMOD	Intola	Maheshbhai Ravji Rathod	8980304190
333	AMOD	Bhimpura	Kiran M. Rathod	9904867604
334	AMOD	Chakalad	Dharmesh Padhiyar	8155051449
335	AMOD	Matar	Kantibhai Jesangbhai	9879089667
336	AMOD	Ajamanagar	Rakeshbhai Vasav	9824919778
337	AMOD	Samani	Bharat M Vasava	-
338	AMOD	Kothi Vantarsa	Suresh Bijal Vasava	6355964305
339	AMOD	Tegava	Rajeshbhai Hirabhai Patel	9427115485
340	AMOD	Kurachan	Sanjay Bhai Patanvadiya	9624772262
341	AMOD	Buva	Melabhai Tathod	6355679352
342	AMOD	Vasana	Kiran C Patel	9978767310
343	AMOD	Kobla	Patel Indravadan Hirabhai	8154883433
344	AMOD	Dadapor	Ikbhalbhai Jisabbhai Chauhan	9638521951
345	AMOD	Manjola	Arjunbhai Vaghela	8758281712
346	AMOD	Ghamanad	Vasava Vishnubhai	8155996487
347	JAMBUSAR	Dahri	Akshaybhai V. Patel	7874296298
348	JAMBUSAR	Kaliyari	Jagdish Rathod	9023017217
349	JAMBUSAR	Zaamdi	Sankar Rathod	8200622526
350	JAMBUSAR	Jantran	Sarfaraz Rasul Dayma	9327194800
351	JAMBUSAR	Runad	Sureshbhai B PARMAR	7874318912
352	JAMBUSAR	Thanava	Jayantibhai K Parmar	9727850261
353	JAMBUSAR	M.Kamboi	Ashok Bhai Sanabhai Ratod	9106088943
354	JAMBUSAR	Sigam	Vijaysinh Hathisinh Yadav	9638938210
355	JAMBUSAR	Ha. Kanthariya	Jagdish Somabhai Patel	9537467444
356	JAMBUSAR	Kavi	Vishnu Machi	8511941616

357	JAMBUSAR	Umra	Jayesbhi Mafatbhi Parmar	9638529119
358	JAMBUSAR	Uber	Pratikbhai Jayntibhai Padhiyar	7600753400
359	JAMBUSAR	Neja	Saubhbhai Vinodbhai Patel	7990196327
360	JAMBUSAR	Piludara	Laxman Bhai Charotara	8485931632
361	JAMBUSAR	Tha. Talavdi	Ranchhod Chhagan Rathod	9028125681
362	JAMBUSAR	Ba. Timbi	Basirbhai Patel	9601717618
363	JAMBUSAR	Singarna	Vijaybhai Mansang Padhiyar	7434842474
364	JAMBUSAR	Tundaj	Arjunbhai Ranchodbhai Gohil	8347597855
365	JAMBUSAR	Kangam	Arjun Gopal Rathod	7069177263
366	JAMBUSAR	Khanpurdeh	Soheb Musa	9662689619
367	JAMBUSAR	Chhidra	Ravikant Chimanbhai Patel	9265140636
368	JAMBUSAR	Dabha	Yunusbhai Gulamhusen Malek	7359911305
369	JAMBUSAR	Uchchhad	Gopalbhai Jivabhai Mali	6354615380
370	JAMBUSAR	Nahar	Mangalbhai S Vaghela	8490890179
371	JAMBUSAR	Kalak Group	CHANDUBHAI CHHITABHAI RATHOD	9265250330
372	JAMBUSAR	Sarod	Yogesh Nanji Machhi	8153052519
373	JAMBUSAR	Dahegam	Imranbhai Malek	6351812660
374	JAMBUSAR	Kava	Raijibhai Ranjitbhai Rathod	9925204143
375	JAMBUSAR	Madafar	Arbaj Basir Raj	9016737450
376	JAMBUSAR	Asanvad	Sanabhai Rathod	7383353048
377	JAMBUSAR	Kora	Pratap Chandubhai Rathod	6351946873
378	JAMBUSAR	Sindhav Group	Rajeshbhai Chandubhai Parmar	9725529002
379	JAMBUSAR	Magnad	Kiritbhai Vavad	9427828977
380	JAMBUSAR	Bojadra	Dipaksinh Barad	8140748909
381	JAMBUSAR	Nadiyad	Rameshbhai.Rathod	799047817
382	JAMBUSAR	Rampur	Ramesh Ganpat Rathod	9328362166
383	JAMBUSAR	Bhankhetar	Bhikhabhai Nathabhai Makwana	9099889164
384	JAMBUSAR	Panchakada	Mahendrabhai F Gohil	9537063414
385	JAMBUSAR	Malpur	Rameshbhai Narsang Parmar	9512830313
386	VAGRA	Akhod	ALPESH K. RATHOD	8347531535
387	VAGRA	Aladar	BABARBHAI LAXMANBHAI VASAVA	
388	VAGRA	Aliabet	Adambhai Hasanbhai Jat	9426448768
389	VAGRA	Ambhel	Sahilbhai Arjunbhai Chauhan	9313081918
390	VAGRA	Ambheta	Laxmanbhai C Rathod	7046793148
391	VAGRA	Ankot	Kalpeshbhai Parsottambhai Gohil	8320116018
392	VAGRA	Aragama	Patel Sajid Umarji	9904350262
393	VAGRA	Atali	Ukedbhai Chitubhai Rathod	909987442
394	VAGRA	Badalpura	PRAVIN VASAVA	9725307339
395	VAGRA	Bhensali	RAHOD LAXMANBHAI CHHOTUBHAI	
396	VAGRA	Bhersam	RAJESHBHAI MELABHAI RATHOD	9913065902
397	VAGRA	Chanchvel	MUBARAK MAKHA	9924029909
398	VAGRA	Galenda	JENTIBHAI MELABHAI RATHOD	9726585035
399	VAGRA	Gandhar	Ajaybhai Kantibhai	9586807081
400	VAGRA	Goladara	Bharatbhai Raysang Rathod	9727472192
401	VAGRA	Jageshwar	Udaybhai Haribhai Patel	7016702925
402	VAGRA	Janiadara	Bharatbhai F. Vasava	7874477621
403	VAGRA	Jolva	Mubarak Daudbhai Patel	7698852472

404	VAGRA	Kadodara	Ranchhodbhai	9638208347
405	VAGRA	Kalam	Rathod Prakashbhai Raju	9316445864
406	VAGRA	Keshwan	Jigrbhai Pravin Chaaunhan	8347397363
407	VAGRA	Koliad	Hashamukhbhai	9106413350
408	VAGRA	Kothia	Rathod Jayenti Chandhu	7569399084
409	VAGRA	Lakhigam	Sureshbhai Gohil	8511618510
410	VAGRA	Limdi	Rathod Jashubhai Chhitubuai	9586330681
411	VAGRA	Luvara	Rathod Kabhay Gordhanbhai	7284041072
412	VAGRA	Mosam	Chimanbhai G Vasava	
413	VAGRA	Muler	Vaghri Dinesh Babubhai	9904254331
414	VAGRA	Nadarkha	Dipsang Jivabhai Vasava	9978771309
415	VAGRA	Nandida	Natvarbhai Sursang Rathod	956781221
416	VAGRA	Narnavi	Piyush Shravan Vasava	7069681416
417	VAGRA	Ochchhan	Ishanbhai Patel	9428443337
418	VAGRA	Ora	Vasava Babubhai Chaturbhai	
419	VAGRA	Pahaj	Bhailal Kantibhai Rathod	9824823657
420	VAGRA	Pakhajan	Rathod Kalidas	9624954479
421	VAGRA	Paldi	Dilipbhai Khjodabhai Mori	8141793620
422	VAGRA	Paniadara	Mukes M Vasava	9081232042
423	VAGRA	Pipalia	Kiranbhai Arvindbhai Rathod	8155024396
424	VAGRA	Pipalia	Dipak Rohit	8140804568
425	VAGRA	Rahad	Mahesh Tulsibhai	8128958377
426	VAGRA	Rahiad	Pravinbhai Gohil	9925231526
427	VAGRA	Sachan	Rathod Iminkumar	7623977934
428	VAGRA	Sadathala	Od Gautam Daulatbhai	9924522805
429	VAGRA	Saladara	Amit Desaiabhai Vasava	-
430	VAGRA	Samatpor	Gohil Ranjitbhai	9586087609
431	VAGRA	Sambheti	Rajubhai R Padhiyar	9925720957
432	VAGRA	Saran	Sana Kasam Rathod	
433	VAGRA	Sayakha	Rathoad Rajesh Raman	9925172468
434	VAGRA	Sutrel	Sikandar Khokhar	9904619513
435	VAGRA	Suva	Dinesh Rathod	6359817309
436	VAGRA	Trankal	Bharatbhai Vasava	9.17576E+11
437	VAGRA	Vachhnad	Maheshbhai Baudhqbhai	9662825506
438	VAGRA	Vagra	Dilawal Akuba Raj	9913700064
439	VAGRA	Vahiyal	Pradipsinh Raj	9978284481
440	VAGRA	Vastikhandali	Anup Babala Bakor	9032890951
441	VAGRA	Vengani	Gambhirbhai	9913330829
442	VAGRA	Vilayat	Saiyde Musahansn D.	9574283635
443	VAGRA	Vinchhiyad	Amirsha Mahmadsa Diwan	9558669064
444	VAGRA	Vorasamni	Arvind Keshur Vasava	9327881022

Annex- K List of Aapda Mitra : -

NO	Name Of Taluka	Name Of Village	Details Of Aapda Mitra	
			Name	Mobile Number
1	BHARUCH	Palej	Irfankhan Pathan	9978572611
2	BHARUCH	Bholav	Pankaj P. Ahir	9429411809
3	BHARUCH	Parkhet	Ranchhodbhai C. Vasava	9724881689
4	BHARUCH	Kanthariya	Raju Ambu Vasava	8160750170
5	BHARUCH	Nandelav	Ratilal B.Chauhan	9824939769
6	BHARUCH	Rahadpor	Gulamfarid Abdullah	-
7	BHARUCH	Chavaj	Sahdev Shantilal Vasava	9824185090
8	BHARUCH	Jhadeshwar	Bhadresh Bhai Parmar	9978200037
9	BHARUCH	Tavra	Pruthvirajsinh Narendrasinh Parmar	9898005227
10	BHARUCH	Manubar	Sehzadbhai Sabbirbhai	9924255786
11	BHARUCH	Shahpura	Baldev Ramanbhai Vasava	6355058093
12	BHARUCH	Kelod	Ambalal Mathurbhai Vasava	8141507914
13	BHARUCH	Tankariya	Safwan Yakub Bhuta	9737202724
14	BHARUCH	Mangleshwar	Bhupendrasinh N. Raj	9904048001
15	BHARUCH	Jhanor	Nileshbhai Maganbhai Machi	8128696211
16	BHARUCH	Hinglot	Salim Mahmud Duddhwala	9824345802
17	BHARUCH	Samlod	Jagdishbhai Dineshbhai Patel	9099697396
18	BHARUCH	Bambusar	Shamir Shabbir Patel	9054477214
19	BHARUCH	Angareshwar	Kiran Natvarlal Kaptan	9979876773
20	BHARUCH	Sindhot	Bharatbhai Kanjibhai Padhiyar	9737479201
21	BHARUCH	Kavitha	Mukesh Bhai Chotubhai Vasava	9723385036
22	BHARUCH	Nabipur	Sunil Chandu Vasava	-
23	BHARUCH	Varediya	Zuber Vali Gajara	8140689721
24	BHARUCH	Uprali	Sachinbhai Thakorbhai Patel	9904521496
25	BHARUCH	Pipaliya	Patel Yash B	9737608849
26	BHARUCH	Jhanghar	Idrishbhai Abdullah	9714010907
27	BHARUCH	Dehgam	Yakubbhai Manjara	9737820785
28	BHARUCH	Karela	Sandipkumar Tailor	9737837535
29	BHARUCH	Osara	Pravinbhai Sursangbhai Thakor	9773167137
30	BHARUCH	Vadadala	Nareshbhai Jesangbhai Ahir	7016909287
31	BHARUCH	Paguthan	Isrish Ibrahim Patel	7016164025
32	BHARUCH	Eksal	Mineshbhai Chandrasinh Barad	9825843530
33	BHARUCH	Manad	Sanjaysinh G Gohil	8780352307
34	BHARUCH	Kesrol	Jashvantbhai B. Raj	9714717444
35	BHARUCH	Navetha	Ashifbhai	73592 05100
36	BHARUCH	Umraj	Patel Ishmail Vali	9724990155
37	BHARUCH	SHERPURA	Patel mohsin yakub	8347478253
38	BHARUCH	DAYADARA	Jagdish Devjibhai Gohil	9714655025

39	BHARUCH	Derol	Aswinbhai Arvindbhai Rathod	9824062821
40	BHARUCH	Haladar	Sanjaybhai S Vasava	6351472770
41	BHARUCH	Haladarva	Rajeshbhai Maganbhai Patel	9898245076
42	BHARUCH	Segva	Saddik Umarji Natha	9825395166
43	BHARUCH	Sitpon	Javid Yakub Ughradar	9904061291
44	BHARUCH	Karmad	Imtiyaz Adam Patel	9624280645
45	BHARUCH	Kargat	Vinodbhai Patanvadiya	9737358920
46	BHARUCH	Bhadbhut	Tarakkumar Pandya	9714566173
47	BHARUCH	Dabhali	Naranbhai F Vasava	8401841168
48	BHARUCH	Karjan	Babubhai Ramanbhai Vasava	9099426218
49	BHARUCH	Padriya	Kanchanben Kanubhai Parmar	8141127072
50	BHARUCH	Kuvadard	Ravindrabhai Chandu Bhai vasava	9924757661
51	BHARUCH	Bori	Bhavinbhai Rameshchandra Patel	9428296389
52	BHARUCH	Adol	Poonambhai Vasava	9904072938
53	BHARUCH	Ghodi	Sarfaraz Adbul Lala	9824773453
54	BHARUCH	Kasva	Narendrasinh Pahadsinh Raj	9824127871
55	BHARUCH	Mahegam	Vanaraj K.Gohil	9638615444
56	BHARUCH	Kahan	Harish Parmar	9824966729
57	BHARUCH	Aamdada	Sukhdevbhai Ghela Vasava	9313776638
58	BHARUCH	Tralsa	Navin Parmar	9687467636
59	BHARUCH	Shankhavad	Sarfaraj Bhatti	9316999091
60	BHARUCH	Kothi	Yakubbhai Bhagyasali	9824134973
61	BHARUCH	Vahalu	Suhel Esha Patel	9924374319
62	BHARUCH	Luwara	Minhaj Daud Karcheniya	8160647170
63	BHARUCH	Sarnar	Zakir Abdullah Patel	9723785437
64	BHARUCH	Kamboli	Saifullah Ismail Patel	9904431503
65	BHARUCH	Bharthana	Ghanshyambhai Kantibhai Patel	9824287009
66	BHARUCH	Dashan /Vervada	Bipinbhai Patel	9824148917
67	BHARUCH	Vagusana	Rajeshbhai Ramsangbhai Patel	8128043805
68	BHARUCH	Kurla	Amit Devendra Patel	9714251013
69	BHARUCH	Shuklatirth	Nileshbhai Chandubhai Vasava	9426132505
70	BHARUCH	Vansi	Niyaj Idrish Malek	9904598583
71	BHARUCH	Simaliya	Sanjay Thakor Vasava	-
72	BHARUCH	Nikora	Dipak Aahir	9723127138
73	BHARUCH	Umara/Asuriya	Ramesh Bhai Magan Bhai Patel	7698610492
74	BHARUCH	Kukarwada	Ashishbhai Patel	9898809718
75	BHARUCH	Mahudhala	Irfan Bhai Yakub Pataravala	9824352807
76	BHARUCH	Tralsi	Mohsinbhai Rustam Patel	8200618994
77	BHARUCH	Vadvva	Ikbai Mohmmad Patel	7359219448
78	BHARUCH	Karmali	Mahendra Nagji Prankda	7284824187
79	BHARUCH	Bhuva	Navinbhai Patel	7359698565
80	BHARUCH	Manch	Mustak Mahmud Patel	7359984871
81	BHARUCH	Pariej	Makshudbhai Yakub Bala	9737233526
82	BHARUCH	Kishnad	Sunilbhai Patel	-
83	BHARUCH	Thikaria	Mafatbhai Patanvadiya	-
84	ANKLESHWAR	Amboli	1.Bipinbhai Solanki	982511748
85	ANKLESHWAR	Bakrol	Ankitbhai Rameshbhai Patel	8140488026

86	ANKLESHWAR	Bakrol	Mansukhbhai Manubhai Vasava	9879448372
87	ANKLESHWAR	Bhadi	Arif Tarki	9638525255
88	ANKLESHWAR	Bharan	Pradeep Singh GumanSingh Jadav	9825141754
89	ANKLESHWAR	Bharan	Rahul Arvindbhai Patel	9586379340
90	ANKLESHWAR	Borbhatha	Mukeshbhai Ramabhai Vasava	9898517767
91	ANKLESHWAR	Chhapra	Maheshbhai Jayantibhai Vasava	9909272326
92	ANKLESHWAR	Dhanturiya	Vijaybhai Patel	9727713389
93	ANKLESHWAR	Diva	Dharmeshbhai Melabhai Vasava	7383848304
94	ANKLESHWAR	Diva	Natwar Bhai Vasava	8140025712
95	ANKLESHWAR	Divi	Rajiv Bhai Vasava	9979101376
96	ANKLESHWAR	Kansiya	Manish Rameshbhai P.V.	9879258127
97	ANKLESHWAR	Kansiya	Pravinbhai Dahyabhai Vasava	9904069067
98	ANKLESHWAR	Kansiya	Nareshbhai Naginbhai Vasava	9726324420
99	ANKLESHWAR	Kansiya	Pravinbhai Punabhai Vasava	6353941212
100	ANKLESHWAR	Kosamdi	Salim Ahmed Bobat	9428026205
101	ANKLESHWAR	Kosamdi	Yakub Yusuf Nandhala	9265081249
102	ANKLESHWAR	Kosamdi	Chimanbhai N Vasava	9714226546
103	ANKLESHWAR	Kosamdi	Ziauddin Hussain Badat	9925131449
104	ANKLESHWAR	Kosamdi	Abul Ayubhaji Badat	7600773967
105	ANKLESHWAR	Mandvabhujarg	Navinbhai Arjunbhai Patel	9898879380
106	ANKLESHWAR	Sakkarapor	Rahul Kumar Mahendrabhai Ahir	7874485777
107	ANKLESHWAR	Sarfuddin	Sanabhai Revabhai Vasava	7576809500
108	ANKLESHWAR	Sisodra	Mukesh Singh D. Vashi	98792 90052
109	ANKLESHWAR	Sisodra	Sanketbhai Vakharia	72018 88588
110	ANKLESHWAR	Sisodra	Rameshbhai S. Patel	99251 86329
111	ANKLESHWAR	Survadi	Kaushikbhai R Sharma	8758371484
112	ANKLESHWAR	Survadi	Nareshbhai V Vasava	9913350436
113	ANKLESHWAR	Survadi	Pankajbhai B. Patel	9722928476
114	ANKLESHWAR	Taria	Rajeshbhai R. Ahir	9879815953
115	ANKLESHWAR	Taria	Vinod P. Patel	9924692019
116	ANKLESHWAR	Bhadkodra	Rajendrabhai Bhagubhai Patel	1.992523343
117	VALIA	Valia	Maheshbhai Vasava	9687740272
118	VALIA	Hirapor	Rajeshbhai B Vasava	7862986045
119	VALIA	Kondh	Rahulbhai M Vasava	7990422645
120	VALIA	Vatariya,Naldhari	Prakashbhai Chaturbhai Vasava	7559441196
121	VALIA	Siludi,Dodvada	Habib Yusuf Babar	9904592188
122	VALIA	Kara	Shailesh Bhai Vasava	9512076360
123	VALIA	Mera	Mayursinh Dodiya	9016939696
124	VALIA	Gandhu	Prahladbhai Vasava	8238671458
125	VALIA	Dansoli	Jitendrabhai K. Vasasa	8849523655
126	VALIA	Luna	Maneshkumar Arjunbhai Vasava	7874690800
127	VALIA	Pansoli	Harendrasinh Gohil	9909454104
128	VALIA	SINADA	Navinbhai P vasava	9638181703
129	VALIA	KANERAV	Shivrambhai R Vasava	9099036909
130	VALIA	KARSAD	Prakashbhai K Vasava	6356934733
131	VALIA	DUNGARI	Popatlal Chandubhai Vasava	9913658791
132	VALIA	GHODA ,JOLLY	Sukabhai Mandlabhai Vasava	6351324811

133	VALIA	Jabugam	Narendbhai Chhotubhai Vasava	9313242179
134	VALIA	Sodgam	Surendra Sinh Varachhiya	9408647775
135	VALIA	Desad	Jitubhai Dolubhai Vasava	9913329939
136	VALIA	Bhamadiya	Amitkumar Chhanabhai Vasava	9512091737
137	VALIA	Holakotar, Nikoli, Patal	Narendrabhai Vasava	9099813310
138	VALIA	Bharadiya	Satishbhai Bhagubhai Vasava	9328286166
139	VALIA	Rajgadh, Kosmadi	Ashokbhai Sukabhai Vasava	8238955004
140	VALIA	Dholgam	Ravjibhai Natvarabhai Vasava	9512348607
141	VALIA	Mokhadi	Vasava Vijaybhai Bhogilalbai	9904738502
142	VALIA	Rajpara	Vasava Mehulbhai Lavbhai	8980479496
143	VALIA	Daheli	Rajendrabhai Vechanbhai vasava	9512348607
144	VALIA	Pithor	Subhasbhai Mansibhai Vasava	9023884585
145	VALIA	Umargam	Vijaybhai Vasava	9913236074
146	VALIA	Vithhalgam	Yogeshbhai Vasava	9099268362
147	VALIA	Tuna	Rakeshbhai Maganbhai Vasava	9925652381
148	VALIA	Petiya	Chaudhari Kiritbhai Arjunbhai	9727550349
149	VALIA	Gundia	Vasava Asvinbhai Maganbhai	8469406314
150	VALIA	Sabariya	Chaudhari Sardulbhai Dinesh	9727698577
151	VALIA	Sevad	Dineshbhai V. Vasava	9313312261
152	VALIA	Rundha	Vasava Sureshbhai Hirabhai	9726776832 9316921774 9825838927
153	VALIA	Jamaniya, Mirapor	Vasava Babubhai Huniyabhai	9081341269 9979761120 9727023536
154	VALIA	Dolatpur	Vasava Desaibhai Chunilalbai	9723416347
155	VALIA	Shir	Vasava Navnitbhai Gumanbhai	9537240409
156	VALIA	Pathar	Pareashbhai Pravinbhai Vasava	8758402237
157	VALIA	Zokhla	Ajaybhai Mangalbai Vasava	8469763246
158	VALIA	Bhilod	Alpeshbhai Sukabhai Vasava	9099053911
159	VALIA	Vagalkhod	Samirbhai Vasava	9327024967
160	VALIA	Itakala, Kesargam, Singla, Navapara	Vijaybhai Mathurbhai Vasava	9879474271
161	NETRANG	Chasvad	Surendrabhai Chandrasinghbhai	8980937296
162	NETRANG	Zarna	Nagjibhai Champakbhai	5356036145
163	NETRANG	Kavachiya	Vipulbhai Sureshbhai	7096802410
164	NETRANG	Zarnawadi	Kanubhai Jinabhai	8347023730
165	NETRANG	Nana Jambuda	Arjunbhai Ravinbhai	8140081727
166	NETRANG	Pingot	Vijaybhai Karamsinghbhai	9428259084
167	NETRANG	Kakadkui	Arvindbhai Jalamsingh	8160131258
168	NETRANG	Mota Jambuda	Jitendrabhai Jasubhai	6347453197
169	NETRANG	Arethi Group	Sanjaybhai Dalpatbhai	8780528650
170	NETRANG	Netrang	Sunilbhai Gopalbhai	6352459852
171	NETRANG	Netrang	Dilipbhai Budhiyabhai	9428392150
172	NETRANG	Baldava	Niteshbhai Ganpatbhai	7069952102
173	NETRANG	Aatkhol Group	Prakashbhai Jayarambhai	7575894535
174	NETRANG	kambodiya	Kamleshbhai Ramanbhai	9687705769

175	NETRANG	Kelvikuwa Group	Dilipbhai Umeshbhai	9712005884
176	NETRANG	Bilothi	Vijaybhai Karamsinghbhai	9428259084
177	NETRANG	Koylimadvi	Shaileshbhai Babubhai	7069649705
178	NETRANG	Kamaliya	Sirajbhai Prathambhai	9427160323
179	NETRANG	Rajwadi	Maheshbhai Sureshbhai	7076802410
180	NETRANG	Thawa Group	Khanpadabhai Prathambhai	9409961087
181	NETRANG	Bilatha Group	Jitendrabhai Chaitarbhai	9408617905
182	NETRANG	Kharethha Group	Dilipbhai Budhiyabhai	9428392150
183	NETRANG	Anjoli Group	Sunilbhai Gopalbhai	6352459852
184	NETRANG	Galiba Group	Prahladbhai Chunilalbhai	9428392476
185	NETRANG	Timla Group	Ravidasbhai Dalpatbhai	9913821257
186	NETRANG	Chandravaan Group	Akshaybhai Chandrasinghbhai	8758388636
187	NETRANG	Moriyana Chiklota	Deepteshbhai Ganpatbhai	9727735087
188	NETRANG	Moriyana-Kuri	Chhatiyabhai Harisinghbhai	9512372992
189	NETRANG	Kantipada	Akshaybhai Chandrasinghbhai	8758388636
190	NETRANG	Bhenskheta Group	Maheshbhai Jayantibhai	9328004483
191	NETRANG	Dholekham Group	Kamleshbhai Revadasbhai	7874024205
192	NETRANG	Fokdi Group	Kamleshbhai Revadasbhai	7874024205
193	NETRANG	Vankhunta Group	Mukeshbhai Revlibhai	6353680991
194	NETRANG	Vankol Group	Ashwinbhai Raisinghbhai	7984215616
195	NETRANG	Motamalpore Group	Devendrbhai Vajilalbhai	6354379518
196	NETRANG	Ashnavi	Dilipbhai Umeshbhai	9712005884
197	JHAGADIA	Achhaliya	Machhi Ravisankarbhai Chimanbhai	9428687010
198	JHAGADIA	Jamboi	Machhi Thakorabhai Sukabhai	9824389020
199	JHAGADIA	Jespore	Pandya Rajendrakumar Vibhakar	6351522749
200	JHAGADIA	Anadhara	Machhi Pareshbhai Chandubhai	9898856935
201	JHAGADIA	Avidha	Vasava Arvindbhai Harisinghbhai	9429285626
202	JHAGADIA	Ranipura	Vasava Rakeshbhai Karshanbhai	9824477671
203	AMOD	Achhod	Zabir Bhudara	9664605944
204	AMOD	Denava	Sirish Solnki	6352508603
205	AMOD	Valipor	Jasvantsinh Parmar	9998168363
206	AMOD	Mangarol	Rathod Kiran Bharat	9316189086
207	AMOD	Dora	Rakeshbhai Thakorabhai	9904455488
208	AMOD	Malkinapura	Aravindbhai Vasava	8347427232
209	AMOD	Ikhar	JAVID ADAM DEKA	7096494712
210	AMOD	Vedacha	Maheshbhai F Thakor	7046176164
211	AMOD	Roja Tankariya	Sagarbhai Shailibhai Makwana	7202075938
212	AMOD	Kolavana	Huzefa S. Ghantiwala	8153091764
213	AMOD	Simartha	Parth Rameshbhai Patel	7202967041
214	AMOD	Vantarsa	Mukhtar Musa Jet	8347102585
215	AMOD	Sarabhan	parinkumar	9712391237
216	AMOD	Ranada	Indrajit Solanki	9687061414
217	AMOD	Anor	Pankajbhai Solanki	9978183108
218	AMOD	Telod	Jayeshbhai Thakor	9428887582
219	AMOD	Danda	Dharmesh Rathod	9328671859
220	AMOD	Suthodara	Dharmesh Rathod	9328671859
221	AMOD	Ochchhan	Vinod Bhai S Dhodkiya	8980459533

222	AMOD	Karena	Kanubhai Ranchhodbhai	9909599903
223	AMOD	Keravada	Jasav Dashrathbhai	99798 85088
224	AMOD	Bodaka	Bharatbhai Chaturbhai Parmar	9879573466
225	AMOD	Asnera	Ghanshyambhai Chaturbhai patel	9879624873
226	AMOD	Intola	Ayubbhai Pathan	8980304190
227	AMOD	Purasa	Najir Multani	6354679867
228	AMOD	Kankariya	Pravinbhai Thakor	9974717194
229	AMOD	Bhimpura	Anil P. Rathod	9909610251
230	AMOD	Chakalad	Vipulbhai Padhiyar	8160876023
231	AMOD	Matar	Kantibhai Paramar	9879089667
232	AMOD	Ajamanagar	Rameshbhai Vasava	8320888024
233	AMOD	Samani	Mineshbhai Jashubhai Patel	8200518016
234	AMOD	Sudi	Jayrajsinh Dabhi	6352952443
235	AMOD	Kesalu	Hetalkumar Patel	9909870851
236	AMOD	Kothi Vantarsa	Pratap Dahya Harijan	8980159636
237	AMOD	Rodh	Bhavikbhai Indravadan Patel	9737361326
238	AMOD	Shree Kothi	Ashokbhai Kesurbhai Patel	9574771385
239	AMOD	Ninam	Kartikbhai Rikeshbhai Patel	8200857576
240	AMOD	Tegava	Ashokbhai Lallubhia Vasava	9586212442
241	AMOD	Kurachan	Imranbhai Patel	9904566819
242	AMOD	Adavala	Arvindbhai Ramabhai Rathod	9316742373
243	AMOD	Vadiya	Mahendrbhai N Rathod	9723313290
244	AMOD	Ranipura	Ashokbhai Vasava	7405500561
245	AMOD	Buva	Hareshbhai Patel	9512827167
246	AMOD	Vasana	Chandrkanth J Patel	9925834113
247	AMOD	Kobla	Harjibhai Solanki	7359569825
248	AMOD	Dadapor	Naginbhai Parmar	9574040817
249	AMOD	Manjola	Rameshbhai Patel	9737672140
250	AMOD	Ghamanad	Raj Kiritbhai	7600604717
251	AMOD	Tanchha	Sidhdrajsingh Vansadiya	9913721276
252	JAMBUSAR	Dahri	Dilip Bhai Rameshbhai Patel	9429188774
253	JAMBUSAR	Kaliyari	Jaydip Patel	6351972256
254	JAMBUSAR	Zaamdi	Axay Chouhan	8905292754
255	JAMBUSAR	Jantran	Usman Mirsab	9979366510
256	JAMBUSAR	Nobar	Sindha Maganda Bhai Fakirbhai	-
257	JAMBUSAR	Nodhana	Patel Dharmendra Chimanbhai	-
258	JAMBUSAR	Runad	Tarunbhai D PARMAR	7285866297
259	JAMBUSAR	Thanava	Pravinbhai K Parmar	9925535564
260	JAMBUSAR	M.Kamboi	Vinubhai Kabhaibhai Parmar	6351034458
261	JAMBUSAR	Sigam	Mahavirsinh Mahobbatsinh yadav	9727455605
262	JAMBUSAR	Ha. Kanthariya	Alpeshsinh Chndrsinh Parmar	8469788392
263	JAMBUSAR	kavi	Farhan m. pathan	9624743369
264	JAMBUSAR	umra	kalpeshbhi dinesbhi thakor	9737234537
265	JAMBUSAR	Uber	Bharatbhai bhailal Thakor	8128117552
266	JAMBUSAR	Neja	Nareshbhai Ukedbhai Rathod	7016265650
267	JAMBUSAR	Piludara	Dineshbhai Kanji Bhai Solanki / Balvantbhai Pratapbhai	9904527451

268	JAMBUSAR	Tha. Talavdi	Ranchhod Chhagan Rathod	9028125681
269	JAMBUSAR	Ba. Timbi	Basirbhai Patel	9601717618
270	JAMBUSAR	Singarna	Vijaybhai Mansang Padhiyar	7434842474
271	JAMBUSAR	Tundaj	Prakashbhai Dahyabhai Parmar	9909460147
272	JAMBUSAR	Amanpur Nana	Ramanbhai Chaturbhai Barhaniya	9925748639
273	JAMBUSAR	Kangam	Sharadsinh Bharatsinh Rana	9879534809
274	JAMBUSAR	Vadadala	Ranvirsinh Yadav	9537969022
275	JAMBUSAR	Sambha	Satish Gohil	7859836721
276	JAMBUSAR	Khanpurdeh	Patel Ashraf	9691112203
277	JAMBUSAR	Bhodar	Rohitbhai Chimanbhai Patel	9.19715E+11
278	JAMBUSAR	Chhidra	Devendrainh Yadav	7874888676
279	JAMBUSAR	Dabha	Sabbirbhai Sardarbhai Bhatti	9722207860
280	JAMBUSAR	Uchchhad	Hasmukhbhai Parmar	9537432673
281	JAMBUSAR	Koteswar	Dipakbhai Patel	9.1814E+11
282	JAMBUSAR	Nahar	Jashvantsinh B Makwana	6351206859
283	JAMBUSAR	Kalak Group	Mahesh Bhai Parmar	9409128295
284	JAMBUSAR	Vedach	Dharmendrabhai Solanki	9974368169
285	JAMBUSAR	Sarod	Syed Ismail Dang	9624241181
286	JAMBUSAR	Dahegam	Moin Yusuf Malek	9998884282
287	JAMBUSAR	Kava	Sukhdevsinh Abhesinh Sindha	6359415005
288	JAMBUSAR	Karmad	Rahulbhai Visnubhai Patel	9099029478
289	JAMBUSAR	Limaj	Natubhai Shanabhai Sindha	7878866601
290	JAMBUSAR	Madafar	Addilbhai Basirbhai Raj	9724282704
291	JAMBUSAR	Asanvad	Sanjaybhai Padhiyar	7567370536
292	JAMBUSAR	Kora	Pravinsinh Amarsinh Gohil	9879398660
293	JAMBUSAR	Amanpor Mota	Hasmukhbhai Chimanbhai Parmar	7862914438
294	JAMBUSAR	Sindhav Group	Rajeshbhai Chandubhai Parmar	9725529002
295	JAMBUSAR	Devla	Farukh Bhai	9638208556
296	JAMBUSAR	Magnad	Indrasinh Vaghela	8511975466
297	JAMBUSAR	Bojadra	Hiral Surma	7096347135
298	JAMBUSAR	Nadiyad	Rafikbhai.A. Patel	8153816551
299	JAMBUSAR	Rampur	Girishbhai Udesang Parmar	9106621341
300	JAMBUSAR	Bhankhetar	Ankitbhai Patel	9909239503
301	JAMBUSAR	Panchakada	Shaileshbhai F Gohil	9099431078
302	JAMBUSAR	Malpur	Dilipbhai Thakorabhai Parmar	9725540793
303	JAMBUSAR	Kahanava	Ajitbhai D Parmar	9558703790
304	VAGRA	Akhod	Bhadresh Yadav	9723802214
305	VAGRA	Aladar	Baldev G Parmar	
306	VAGRA	Ambhel	Yadav Ranjitbhai	9638190013
307	VAGRA	Ambheta	Narendrasinh Chavda	9.19925E+11
308	VAGRA	Ankot	Alpeshbhai A. Rathod	9638071861
309	VAGRA	Aragama	Ibrahim Vali Patel	9727627939
310	VAGRA	Badalpura	Becharbhai	
311	VAGRA	Bhensali	Patel Nazir Vali	9824755204
312	VAGRA	Bhersam	Ratho Rajeshbhai Melabhai	814071503
313	VAGRA	Chanchvel	Minhaj Joly	9924005551
314	VAGRA	Galenda	Jayantibhai Rathod	7383298782

315	VAGRA	Gandhar	Arjunbhai Manaar	9913456548
316	VAGRA	Goladara	Yogeshbhai Makwana	9638427245
317	VAGRA	Jageshwar	Kamleshbhai Raysangbhai Pate	7698002611
318	VAGRA	Janiadara	Rana Mahendrasinh	8780630820
319	VAGRA	Kadodara	Chatrasang Parmar	7623871706
320	VAGRA	Kalam	Rathod Bhaylalbhai Dabhaybha	9265577188
321	VAGRA	Keshwan	Indravadan Joshi	9978254759
322	VAGRA	Khojbal	Raj Firoz Abdulaha	9913695547
323	VAGRA	Koliad	Hashamukhbhai	9106413350
324	VAGRA	Kothia	Vasav Zaver Nathubai	9924778215
325	VAGRA	Lakhigam	Satishbhai Jasvantbhai Gohile	9979875988
326	VAGRA	Limdi	Basir Alli Patel	9723251567
327	VAGRA	Mosam	Amrsang P Patel	9826760452
328	VAGRA	Muler	Pujabhai Padhiyar	9427143528
329	VAGRA	Nadarkha	Vasava Deepsand Jaga	
330	VAGRA	Nandida	Bhupatsinh Dolatsinh Chavda	9723822360
331	VAGRA	Narnavi	Vasav Sureshbhai Sanubhai	
332	VAGRA	Ochchhan	Patel Ekashanbhai	9824558052
333	VAGRA	Ora	Balubhai Chaturbhai Vasava	9687739357
334	VAGRA	Padariya	Dodiya Thakorabhai Kashibhai	9712090333
335	VAGRA	Pahaj	HAMID JISAHEB RANA	9714254989
336	VAGRA	Pakhajan	Hanif Y Patel	9714511990
337	VAGRA	Paldi	Kiritbhai Parmar	7623975691
338	VAGRA	Paniadara	Kiranbhai Jagadishbhai	9687560703
339	VAGRA	Pipalia	Hanif Musabhai Patel	9879506211
340	VAGRA	Aarifbhai Ali Patel	Ambubhai Soma Rathod	9904153037
341	VAGRA	Rahad	Patel Jyantibhai Chunilal	9913910990
342	VAGRA	Rahiad	Abhesangbhai Bhikhabhai Gohil	9979420395
343	VAGRA	Sachan	Rathod Chimanbhai Chhotubhai	9904195112
344	VAGRA	Sadathala	Bharatbhai N. Patel	99258 6221
345	VAGRA	Saladara	Ashokbhai G. Thakor	9.18348E+11
346	VAGRA	Sambheti	Jashvantbhai C Padhiyar	9909363905
347	VAGRA	Sayakha	Rathoad Chiaman Prabhat	9537106241
348	VAGRA	Sutrel	Laxman Vasava	9723880976
349	VAGRA	Suva	Mahesh Fatesang Gohil	9979069539
350	VAGRA	Trankal	Nareshbhai Gohil	8238310122
351	VAGRA	Vachhnad	Chuhan Kishansinh Bharatsinh	9724971054
352	VAGRA	Vadadla	Bhavinbhai Bhupatbhai Chauhan	8866881388
353	VAGRA	Vagra	Hareshabhai Patel	9824724844
354	VAGRA	Vahiyal	Arvindh Pratab	9924716132
355	VAGRA	Vastikhandali	Ayubbhai Amir Bhatti	8347652815
356	VAGRA	Vengani	Dharmendrabhai S Gohil	9558825056
357	VAGRA	Vilayat	Saiyad Mukhtyarali Alimiya	9714654724

Annex- L List of Volentiers :

No	Name Of Taluka	Name Of Village	Details Of Volentiers	
			Name	Mobile Number
1	BHARUCH	Palej	Wasimkhan Pathan	7016226137
2	BHARUCH	Bholav	Yuvrajsinh S. Parmar	9924046264
3	BHARUCH	Parkhet	Rajendra H. Vasava	7698064419
4	BHARUCH	Kanthariya	Raju Ambu Vasava	8160750170
5	BHARUCH	Nandelav	Gulam Vali Patel	9428686086
6	BHARUCH	Rahadpor	Ali Adam Patel	9974958740
8	BHARUCH	Jhadeshwar	Satyam Kumar Dave	9664509189
9	BHARUCH	Tavra	Hiteshbhai Bhimsangbhai Thakor	9913628806
10	BHARUCH	Manubar	Habibbhai Ishmailbhai Patel	9924260560
11	BHARUCH	Shahpura	Yogeshbhai Lakhjivan Patel	9714358603
12	BHARUCH	Kelod	Dilip Chhotu	9016491689
13	BHARUCH	Tankariya	Ikbal Musa Patel	9638166099
14	BHARUCH	Mangleshwar	Divyangkumar S. Patel	9054627687
15	BHARUCH	Jhanor	Mukeshbhai Babarbhai Vasava	9537220190
16	BHARUCH	Hinglot	Balu Mohan Rathod	9924717732
17	BHARUCH	Samlo	Shaileshbhai Amritbhai Vasava	9714406012
18	BHARUCH	Bambusar	Eliyashbhai Ibrahim Patel	9723106676
19	BHARUCH	Angareshwar	Kamlesh Bhikha Machhi	9023128887
20	BHARUCH	Sindhot	Minaxiben Mahant	8200527599
21	BHARUCH	Kavitha	Jaiminbhai Maheshbhai Patel	9924863521
23	BHARUCH	Varediya	Abhesing Parsottambhai Vasava	9510529499
24	BHARUCH	Pipaliya	Idhrish Ahmad Mansuri	9727419733
25	BHARUCH	Jhanghar	Vinodbhai Dhanjibhai Chauhan	7698989602
26	BHARUCH	Dehgam	Ashif Bhai Manjara	9998793206
27	BHARUCH	Karela	Ajay Dines Vasava	8141656276
28	BHARUCH	Osara	Dahyabhai Vithhalbhai Parmar	9824540672
29	BHARUCH	Vadadala	Narendrakumar Kantilal Patel	9825061719
30	BHARUCH	Paguthan	Sakirbhai	7016796269
31	BHARUCH	Eksal	Pavankumar Hathisinh	7874484062
33	BHARUCH	Manad	Niteshkumar R Gajjar	9879731316
34	BHARUCH	Kesrol	Jashvantsinh Chavda	8866515663
35	BHARUCH	Navetha	Mayankbhai Manubhai Parmar	9265622911
36	BHARUCH	Umraj	Dev Rajeshbhai Parmar	9913306109
37	BHARUCH	Sherpura	Patel Sikandar Aiyub	7487999638
38	BHARUCH	Dayadara	Javid Yakub Bordiwala	9725665037
39	BHARUCH	Derol	Thakorbhai Amrabhai Ahir	9558204021
40	BHARUCH	Haldar	Natubhai Veribhai Patel	9723613988
41	BHARUCH	Haldarva	Tarunbhai Santilal Patel	
42	BHARUCH	Segva	Ali Yusuf Natha	8140049060
43	BHARUCH	Sitpon	Abdulaziz Akubat	9924284034
44	BHARUCH	Karmad	Shejad Yakub Ravali	9723621771
45	BHARUCH	Kargat	Sauravsinh Chauhan	8200995986

47	BHARUCH	BHADBHUT	Atulbhai Kantibhai Machhi	7359784062
48	BHARUCH	Dabhali	Ganpat Kabhay Vasava	9537385557
49	BHARUCH	Karjan	Vikash N Vasava	8141784024
50	BHARUCH	Padriya	Kanubhai Murarbhai Parmar	8141127072
53	BHARUCH	Adol	Het Patel	7567087250
54	BHARUCH	Ghodi	Siraj Khojbariya	9824730430
55	BHARUCH	Kasva	Mahavirsinh V.Sindha	9725951593
57	BHARUCH	Mahegam	Narendrabhai G.Gohil	9824598656
58	BHARUCH	Kahan	Juber Sagir	8155982885
59	BHARUCH	Aamdada	Rakesh Patel	9825721813
60	BHARUCH	Tralsa	Champakbhai Paramar	9924487474
61	BHARUCH	Shankhavad	Shohel Bhatti	9978469337
62	BHARUCH	Kothi	Ishaq Ibrahim Namazi	9099899481
63	BHARUCH	Vahalu	Mahmad Najirahmad Patel	9624889221
64	BHARUCH	Luwara	Mustak Valli Patel	9824391469
65	BHARUCH	Sarnar	Makbul Yusuf Patel	8347373042
66	BHARUCH	Kamboli	Kalpesh Sukhdev Vasava	7284067130
68	BHARUCH	Bharthana	Patel Akshaybhai Chandrashekhar	9429073783
69	BHARUCH	Dashan /Vervada	Thanvendr V Parmar	9904738117
70	BHARUCH	Vagusana	Ashokbhai Jesangbhai Thakor	9825105441
71	BHARUCH	Kurla	Narendrabhai Shankarbhai Vasava	6359299332
72	BHARUCH	Shuklatirth	Jaydipsinh Gemalsinh Parmar	9426129547
73	BHARUCH	Vansi	Yakubbhai Patel	9924965712
74	BHARUCH	Simaliya	Dinesh Natvar Vasava	
75	BHARUCH	Nikora	Ambalal Dahyabhai Vasava	9898220761
76	BHARUCH	Umara/Asuriya	Alpesh Bhai Ramanbhai Patel	9727949829
77	BHARUCH	Kukarwada	Tajeshbhai Patel	7874584254
79	BHARUCH	Mahudhala	Maazbhai Yakub Agasiwala	7096916191
81	BHARUCH	Tralsi	Hasmukh Hirabhai Parmar	9737243129
82	BHARUCH	Vadva	Imran Ali Patel	9924782994
83	BHARUCH	Karmali	Punja Bhai Bhikhabhai Patanvadiya	9023985069
87	BHARUCH	Bhuva	Surendrabhai Gambhirbhai Patel	9723518120
88	BHARUCH	Manch	Mustak Mahmad Patel	7359984871
89	BHARUCH	Pariej	Vinodbhai Bharatbhai Rathod	9574079258
90	ANKLESHWAR	Amboli	Ajaybhai Vasava	9664627577
91	ANKLESHWAR	Bakrol	Balwantbhai A. Patel	9909388797
92	ANKLESHWAR	Bakrol	Durlabhai Deepabhai Vasava	8980137569
93	ANKLESHWAR	Bakrol	Jayantibhai Ranchodbhai Patel	9586702643
94	ANKLESHWAR	Borbhatha	Dineshbhai Ravjibhai Rathod	9316890866
95	ANKLESHWAR	Chhapra	Nareshbhai Patnavadiya	9773292996
96	ANKLESHWAR	Dhanturiya	Natvarbhai Patel	7874920195
97	ANKLESHWAR	Diva	Hirenabhai Narsinghbhai Parmar	9033184853
98	ANKLESHWAR	Diva	Hamid Bhai Kasam Patel	9974618008
99	ANKLESHWAR	KANSIYA	Jagdishbhai Narsinghbhai Vasava.	9925953306
101	ANKLESHWAR	KANSIYA	Thakorabhai Parasottambhai Vasava	9925685538
102	ANKLESHWAR	KANSIYA	Manish Rameshbhai P.V.	9879258127
103	ANKLESHWAR	KOSAMDI	Shehzad Samad Haslod	9898764398.

104			Junaid Ahmed Koya	9791013776
105	ANKLESHWAR	Kosamdi	Rahul Bharat Parmar	6351102558
106	ANKLESHWAR	Kosamdi	Basir Yakub Shah	9016627834
107	ANKLESHWAR	Mandvabhujarg	Arjunbhai Nanubhai Vasava	987913002
108	ANKLESHWAR	Mandvabhujarg	Dhansukhbhai Girdharbhai Patel	9898960561
109	ANKLESHWAR	Mandvabhujarg	Ranjitbhai Chaturbhai Vasava	9638636459
110	ANKLESHWAR	Mandvabhujarg	Jagadishbhai Ishwarbhai Vasava	9737005524
111	ANKLESHWAR	Sarfuddin	Babubhai Revabhai Vasava	9723126839
112	ANKLESHWAR	Sisodra	Dilipsinh G. Vashi	99250 23999
113	ANKLESHWAR	Sisodra	Hitendrasinh B. Matiyada	97237 05037
114	ANKLESHWAR	Sisodra	Shravan Dhiraj Kumar	63511 05972
115	ANKLESHWAR	Survadi	Kanubhai J Parmar	9429187307
116	ANKLESHWAR	Survadi	Gomanbhai R Vasava	9737314953
117	ANKLESHWAR	Survadi	Ravindrabhai D. Patel	9687981779
118	ANKLESHWAR	Taria	Nimesh Patel	7096345867
119	ANKLESHWAR	Taria	Manilal Patel	8140731367
120	ANKLESHWAR	Taria	Vasava Arvindbhai	7265802389
121	ANKLESHWAR	Taria	Patel Parasottambhai Ambalal	9737762432
122	ANKLESHWAR	Taria	Dineshbhai Chhotubhai	9265143582
123	ANKLESHWAR	Piraman	Ejaz Qasam Hatia	9727592181
124	ANKLESHWAR	Piraman	Vishnubhai Vasava	9638558381
125	ANKLESHWAR	Piraman	Sadiq Abbas Unya	9998182724
126	ANKLESHWAR	Pungam	Ishwarbhai Vaidhanbhai Vasava	8347420455
127	ANKLESHWAR	Pungam	Brijsh Kumar Parmar	8200805020
128	ANKLESHWAR	Pungam	Navinbhai Vasava	6351505783
129	ANKLESHWAR	Andada	Rakeshbhai L. Patel	7878565616
130	ANKLESHWAR	Andada	Premnath B Prasad	8866306883
131	ANKLESHWAR	Andada	Ashutosh Shukla	9723850109
132	ANKLESHWAR	Bhadrakodra	Pankajbhai Patel	9924592626
133	VALIA	Valia	Jigneshbhai Sukabhai Vasava	8980164564
134	VALIA	Valia	Savanbhai Somabhai Vasava	9712821261
135	VALIA	Valia	Digvijaybhai Suratia	9427116877
136	VALIA	Valia	Mukeshbhai Solanki	9979344571
137	VALIA	Valia	Vishal Kataria	9409803278
138	VALIA	Hirapor	Dineshbhai Vasava	7016747984
139	VALIA	Hirapor	Bharatbhai Vasava	9913696440
140	VALIA	Hirapor	Jayeshbhai Vasava	7434998556
141	VALIA	Hirapor	Dilipbhai Vasava	9537688479
142	VALIA	Hirapor	Lalubhai Vasava	7567866352
143	VALIA	Kondh	Dipakbhai J Vasava	9687248875
144	VALIA	Kondh	Sanjaybhai S Vasava	9624364951
145	VALIA	Kondh	Ayub A Kharodiya	9574805809
146	VALIA	Kondh	Mehul M Vasava	9714868026
147	VALIA	Kondh	NAVINBHA T VASAVA	9106892585
148	VALIA	Vatariya,Naldhar	Sudhirbhai Ajitbhai Vasva	6355586864

149	VALIA	Vatariya,Naldhar	Prakshbhai Barot	9723313155
150	VALIA	Vatariya,Naldhar	Natvarbhai Ishwarbhai Vasava	6352845980
151	VALIA	Vatariya,Naldhar	Jafar Abdulmajid Shah	8200201907
152	VALIA	Vatariya,Naldhar	Arvindbhai Thakorabhai Vasava	8780102531
153	VALIA	Siludi,Dodvada	Daud Habib Babar	9737312461
154	VALIA	Siludi,Dodvada	Kasim Yusuf Bawa	9106196605
155	VALIA	Siludi,Dodvada	Abhesing Vanmali Vasava	9727337911
156	VALIA	Siludi,Dodvada	Sufiyan Panchbhaya	7096232893
157	VALIA	Kara	Rajendra Singh Vash	7567558100
158	VALIA	Mera	Ishwarbhai Vasava	8780210398
159	VALIA	Gandhu	Ramanbhai Vasava	9978421361
160	VALIA	Dansoli	Jagdishbhai B. Vasava	8780845932
161	VALIA	Luna	Maneshkumar Arjunbhai Vasava	7874690800
162	VALIA	Pansoli	Wilsonbhai Bhagat	9909434084
163	VALIA	Sinada	Satishbhai Mangabhai Vasava	8758360166
164	VALIA	Sinada	Narendrabhai Arjunbhai Vasava	9510537153
165	VALIA	Kanerav	Mayurkumar S Vasava	7567909815
166	VALIA	Kanerav	Mayankkumar S Vasava	7984378511
167	VALIA	Kanerav	Harshadbhai D Vasava	9913843139
168	VALIA	Kanerav	Yogeshbhai B Vasava	9725142144
169	VALIA	Karsad	Kiranbhai K Vasava	9313176652
170	VALIA	Karsad	Dineshbhai P Vasava	7069261859
171	VALIA	Karsad	Pradipbhai J Vasava	9510528308
172	VALIA	Karsad	Mukeshbhai R Bharathaniya	8320559234
173	VALIA	Dungari	Sunilbhai R Vasava	8347559793
174	VALIA	Dungari	Jasvantbhai Mahida	6351221882
175	VALIA	Dungari	Bhailalbhai Vasava	7284981863
176	VALIA	Dungari	Dineshbhai R Vasava	9909238615
177	VALIA	Dungari	Anilbhai K Vasava	-
178	VALIA	Dungari	Mahamad Khalil Badat	-
179	VALIA	Ghoda ,Jolly	Vasava Dipakbhai B	9586652490
180	VALIA	Ghoda ,Jolly	Kosada Siddhrajsinh K	8140400036
181	VALIA	Ghoda ,Jolly	Patel Pratikkumar D	8780992656
182	VALIA	Jabugam	Vikeshkumar Vasava	9537547578
183	VALIA	Jabugam	Kaushik Sunilbhai Vasava	9586093096
184	VALIA	Jabugam	Vishal A Vasava	6353357516
185	VALIA	Jabugam	Mehul R Vasava	7874792011
186	VALIA	Jabugam	Sandeep J Vasava	7567372003
187	VALIA	Sodgam	Sarjanben Vasava	9426055091
188	VALIA	Jabugam	Surendrsinh Varachhiya	9408567775-
189	VALIA	Jabugam	Chandra Sinh Mahida	8401432385
190	VALIA	Desad	Ganpatbhai Somabhai Parjapati	7383757250
191	VALIA	Bhamadiya	Shaileshbhai Chandubhai Bhagat	9712396496
192	VALIA	Holakotar,Nikoli,Patal	Navinbhai Gamit	7573072531

193	VALIA	Bharadiya	Mayurbhai Tulsibhai Gamit	8347831087
194	VALIA	Rajgad, Kosmadi	Ashokbhai Vasava	8238955004
195	VALIA	Dholgam	Dipakbhai Budhiyabhai Vasava	9327433217
196	VALIA	Mokhadi	Vasava Kalpeshbhai Dineshbhai	9726404884
197	VALIA	Rajpara	Gamit Karnbhai	9023189101
198	VALIA	Daheli	Rizvan Kadiwala	9687344285
199	VALIA	Pithor	Baldevbhai Ukkadbhai	9727168208
200	VALIA	Umargam	Vijaybhai Vasava	9913236074
201	VALIA	Vithhalgam	Yogeshbhai Vasava	9099268362
202	VALIA	Tuna	Rakeshbhai Maganbhai Vasava	9925652381
203	VALIA	Petiya	Rineshbhai Kalidas Vasava	7574966299
204	VALIA	Petiya	Saurabhabhai Navinbhai	9313017351
205	VALIA	Petiya	Riteshbhai Aneshbhai	9979766746
206	VALIA	Petiya	Ajaybhai Arjunbhai	6352303148
207	VALIA	Petiya	Rajeshbhai Jamsihbhai	9727496674
208	VALIA	Gundia	Ravisankar Khusalbhai	9913240986
209	VALIA	Gundia	Arunbhai Vasava	9265759731
210	VALIA	Gundia	Ajaybhai A Chaudhari	9825709277
211	VALIA	Gundia	Avinash M Vasava	8799564230
212	VALIA	Gundia	Narendrabhai Y Vasava.	6359277040.
213	VALIA	Sabariya	Yogeshbhai Davjibhai Vineshbhai	8980249627
214	VALIA	Sabariya	Chaturbhai. Narendrabhai	7874307090
215	VALIA	Sabariya	Chhimanbhai Laljibhai Sonajibhai.	9825622987
216	VALIA	Sabariya	Mukeshbhai Ramanbhai	8141019785
217	VALIA	Sevad	Sarmukhbhai S Vasava	9638672571
218	VALIA	Rundha	Chaudhari Navneetbhai	6355956952
219	VALIA	Rundha	Vasava Vasudevabhai	9316921774
220	VALIA	Rundha	Vasava Rasikbhai	9825838927
221	VALIA	Jamaniya, Mirapor	Chaudhari Bharatbhai	9925345919
222	VALIA	Jamaniya, Mirapor	Vasava Bharatbhai	9979761120
223	VALIA	Jamaniya, Mirapor	Chaudhari Hirenabhai	9727023536
224	VALIA	Dolatpur	Vasava Bhupendrabhai R	9904265926
225	VALIA	Shir	Vasava Dayarambhai Mukeshbhai	8141037181
226	VALIA	Pathar	Satishbhai Arvindbhai Deshmukh	9727480151
227	VALIA	Zokhla	Manojbhai Mangalbhai Vasava	9537455808
228	VALIA	Bhilod	Apleshbhai Sukabhai Vasava	9099053911
229	VALIA	Vagalkhod	Samirbhai Manabhai Vasava	9327024967
230	VALIA	Itakala, Kesargam	Ajaybhai Ravilalbhai Vasava	9327029674,
231	VALIA	Singla, Navapara	Kanubhai Thakorabhai Vasava	9687162954,
232	VALIA	Singla, Navapara	Ravindrabhai Shankarbhai Vasava	9978103405,
233	VALIA	Singla, Navapara	Pareshbhai Ramchaturbhai Vasava	9712224946
234	VALIA	Singla, Navapara	piyushbhai manharbhai vasava	6355580799
235	NETRANG	Mauza	Satishbhai Rupabhai Vasava	9909135911
236	NETRANG	Mauza	Satishbhai Devjibhai Vasava	9427157918

237	NETRANG	Chasvad	Maheshbhai Vasava	9687081244
238	NETRANG	Kavachiya	Abhesingbhai Vasava	9586644616
239	NETRANG	Zarnawadi	Vasava Vansataben Hasmukhbhai	9909135911
240	NETRANG	Nana Jambuda	Pravinaben.D.Vasava	9586640157
241	NETRANG	Pingot	Nimishaben Maheshbhai Vasava	9825207542
242	NETRANG	Kakadkui	Mahendrabhai M.Vasava	9727791216
243	NETRANG	Mota Jambuda	Mahendrabhai M.Vasava	9727791216
244	NETRANG	Arethi Group	Pratapbhai Navjibhai Vasava	9106964412
245	NETRANG	Netrang	Dharmendrabhai Vadhela	9924002035
246	NETRANG		Jitubhai Rana	9427829338
247	NETRANG	Baldava	Jashubhai F. Tadv	9429035253
248	NETRANG	Aatkhol Group	Pratapbhai Navjibhai Vasava	9106964412
249	NETRANG	Kambodiya	Ramanbhai B. Vasava	9913600331
250	NETRANG	Kelvikuwa Group	Dharmendrabhai Vadhela	9924002035
251	NETRANG	Bilothi	Vijaysinh N. Vasava	6353693695
252	NETRANG	Koylimadvi	Nimishaben Maheshbhai Vasava	9825207542
253	NETRANG	Kamaliya	Vasava Vanstaben Hasmukhbhai	9909135911
254	NETRANG	Rajwadi	Abhesingbhai Vasava	9586644616
255	NETRANG	Thawa Group	Mahendrabhai M. Vasava	9727791216
256	NETRANG	Bilatha Group	Ishwarbhai K. Vasava	9664545266
257	NETRANG	Kharetha Group	Anilbhai Ratilalbhai Vasava	9429986085 9427535292
258	NETRANG	Anjoli Group	Nirmalaben Manubhai Vasava	9925504933
259	NETRANG	Galiba Group	Mrs. Shilaben Vasava	9265455174
260	NETRANG	Timla Group	S.Z. Vasava	9537947351
261	NETRANG	Chandravaan Group	Jashubhai F. Tadv	9429035253
262	NETRANG	Moriyana Chiklota	Ashwin B. Vasava	9998360876
263	NETRANG	Moriyana-Kuri	Ashwin B. Vasava	9998360877
264	NETRANG	Kantipada	S.Z. Vasava	9537947351
265	NETRANG	Bhenskhatar Group	Shri Kalyan Singh	9737758448
266	NETRANG	Dholekham Group	S.Z.Vasava	9537947351
267	NETRANG	Fokdi Group	Ashwin B.Vasava	9998360877
268	NETRANG	Vankhunta Group	Vlusing J. Vasava	9714655071
269	NETRANG	Vankol Group	Vlusing J. Vasava	9714655071
270	NETRANG	Motamalpore Group	Ashwin B.Vasava	9998360877
271	NETRANG	Ashnavi	Savitriben Bholabhai	9408834501
272	NETRANG	Sajanvav	Vlusing J. Vasava	9714655071
273	NETRANG	Chikhli	Maheshbhai Vasava	9687081244
274	NETRANG	Koliwada Group	Ashwin B.Vasava	9998360877
275	JHAGADIA	Achhaliya	Kaushikbhai Ravji	9687304906
276	JHAGADIA	Jamboi	Induben Ashwinbhai Vasava	6352062516
277	JHAGADIA	Jespore	Vasava Dineshbhai Badharbhai	6354598114
278	JHAGADIA	Anadhara	Jitendrabhai Ratilal	7016706981
279	JHAGADIA	Avidha	Komalben Jerambhai Vasava	8558585001
280	JHAGADIA	Ranipura	Desai Rutvik Prashantbhai	9428889322
281	JHAGADIA	Asha	Vasava Sandipkumar Bhulabhai	8238152723

282	JHAGADIA	S. Fichwada	Sumitraben Kalidasbhai Vasava	9624891451
283	JHAGADIA	Ambos	Sarojben Shaniyabhai Vasava	9427684935
284	JHAGADIA	Dharoli	Vasava Navinbhai Raymalbhai	9537279153
285	JHAGADIA	Amalzar	Jiviben Bachubhai Vasava	9510705675
286	JHAGADIA	Amod	Ranjanben Laxmanbhai Vasava	9978256594
287	JHAGADIA	Kadwali	Kalpanaben Jonibhai Vasava	7567812375
288	JHAGADIA	Indore	Anjanaben Hasmukhbhai Vasava	9023079331
289	JHAGADIA	Uchediya	Solanki Ashiskumar Mangabhai	8238918075
290	JHAGADIA	Uchchhab	Narmadaben R Vasava	9737304360
291	JHAGADIA	Kapat	Hetalben Roshanbhai Vasava	7874681894
292	JHAGADIA	Du. Haripura	Gunvantaben Maheshbhai Vasava	9638232935
293	JHAGADIA	Umadhara	Rajendrabhai Raysingbhai Vasava	9978370235
294	JHAGADIA	Umallā	Sarojben Dashrathbhai Vasava	9537897679
295	JHAGADIA	Or	Ratilalbhai Somabhai Vasava	8200311638
296	JHAGADIA	Kapalsadi	Hareshbhai	8128530644
297	JHAGADIA	Karad	Vasava Niteshbhai Arvindbhai	8141909038
298	JHAGADIA	Dholakuva	Jamanaben Satishbhai Vasava	9726036576
299	JHAGADIA	Kakalpor	Bhailalbhai Mohanbhai Vasava	9913827908
300	JHAGADIA	Sarsad	Maghuben Natubhai Vasava	8160006854
301	JHAGADIA	Du. Vaghpura	Mukeshbhai Ukkadbhai Vasava	7573967380
302	JHAGADIA	Mulad	Pintubhai Somabhai Vasava	8238601200
303	JHAGADIA	Kh. Bhilwada	Punamben Bharatbhai Vasava	9327866519
304	JHAGADIA	Kharchi	Sonalben Nileshbhai Vasava	9328876145
305	JHAGADIA	Raisingpura	Gajriben Bhavsing Vasava	9727267716
306	JHAGADIA	Prankad	Vasava Rajeshbhai Ratanbhai	9537255263
307	JHAGADIA	Khalak	Gitaben Devanbhai Vasava	7285802283
308	JHAGADIA	Tavdi	Arvindaben Devendrabhai Vasava	9737334314
309	JHAGADIA	Vala	Ranveersinh Ratansinh Vasava	8469693052
310	JHAGADIA	Govali	Sanjaybhai Manasangbhai Vasava	7621046950
311	JHAGADIA	Nana Sanja	Jashvantkumar Natvarlal Vasava	9328947773
312	JHAGADIA	Vanakpor	Rakshaben Vikrambhai Vasava	9624606450
313	JHAGADIA	Jarsad	Prakada Shivdattsinh Pratiksinh	9106656255
314	JHAGADIA	Jhagadia	Vasava Ankitbhai Madhavbhai	9574354224
315	JHAGADIA	Tothidara	Kantibhai Mangabhai Vasava	9727175823
316	JHAGADIA	Dabhal	Gulabbhai Jesingbhai Vasava	9979205950
317	JHAGADIA	Vali	Kishanbhai Babubhai Bhagat	9726912084
318	JHAGADIA	Tarsali	Saiyad Haidarali Mohammadali	9427144878
319	JHAGADIA	Mota Sorva	Kirtiben Nileshbhai Vasava	9913026487
320	JHAGADIA	Talodra	Urmilaben Vithalbhai Vasava	9913037033
321	JHAGADIA	Dadheda	Karunaben Jayeshbhai Vasava	9909763974
322	JHAGADIA	Limet	Varshaben Arjunbhai Vasava	9913383685
323	JHAGADIA	Du. Boridra	Ritaben Rakeshbhai Vasava	9574767329
324	JHAGADIA	Du. Malpor	Sangitaben Pravinbhai Vasava	9712593038
325	JHAGADIA	Vanthevad	Vasava Kishanbhai Sanjybhai	8401986981
326	JHAGADIA	Nanavasna	Tallikaben Dashrathbhai Vasava	8980662062
327	JHAGADIA	Padvaniya	Seemaben Umeshbhai Vasava	9106853880
328	JHAGADIA	Padal	Reenaben Kamaleshbhai Vasava	8758725860

329	JHAGADIA	Panetha	Rakeshbhai Arvindbhai Tadvi	9328773652
330	JHAGADIA	Kantol	Venilaben Subhash Vasava	9879883898
331	JHAGADIA	Pipadra	Sangitaben Hareshbhai Vasava	9624066045
332	JHAGADIA	Pora	Sejalben Akshaykumar Vasava	9099608348
333	JHAGADIA	Fulwadi	Ramubhai Shankarbhai Vasava	9979768352
334	JHAGADIA	Selod	Reshmaben Michaelbhai Bhagat	9714657474
335	JHAGADIA	Bamalla	Vasava Sukhdevbhai Kadavabhai	7201838176
336	JHAGADIA	Mahuvada	Sheniben Rajeshbhai Vasava	9913452884
337	JHAGADIA	Borjai	Rasilaben Sunilbhai Vasava	9726235049
338	JHAGADIA	Bhalod	Patel Vikashkumar Thaorbhai	9316717616
339	JHAGADIA	Motavasna	Chandubhai Melabhai Vasava	9099307602
340	JHAGADIA	Mota Sanja	Savitriben Rajubhai Vasava	9428689751
341	JHAGADIA	Limodara	Vasava Sanjay Babubhai	6352291300
342	JHAGADIA	Shiyali	Vasava Yogeshkumar Sundarbhai	9773217144
343	JHAGADIA	Moran	Vasava Pravinbhai R	9924763316
344	JHAGADIA	Razalvada	Hiteshbhai Kanubhai Vasava	7567525213
345	JHAGADIA	Pipalpan	Bharatbhai Chhatrasinh	9510466058
346	JHAGADIA	Ratanpor	Saritaben Birbalbhai Vasava	9537108830
347	JHAGADIA	Rajpardi	Kalidasbhai Maganbhai Vasava	9979483312
348	JHAGADIA	Vadhvana	Mukeshbhai Adiyabhai Vasava	9510265115
349	JHAGADIA	Rundh	Makwana Pravankuma Arjunsinh	9737304415
350	JHAGADIA	Vasna	Shitalben Rajendrabhai Vasava	9510243822
351	JHAGADIA	Velugam	Ranchhodbhai Fatabhai Vasava	9428815758
352	JHAGADIA	Sanjali	Vasava Jagdishbhai	7862043708
353	JHAGADIA	Sardarpara	Ajaybhai Navinbhai Vasava	8347432184
354	JHAGADIA	Sarsa	Pratik Vasava	9574979064
355	JHAGADIA	Khadoli	Komalben Jerambhai Vasava	8558585001
356	JHAGADIA	Rupania	Kirtiben Nileshbhai Vasava	9913026487
357	JHAGADIA	Nanasorva	Kirtiben Nileshbhai Vasava	9913026487
358	JHAGADIA	Bhimapor	Kalidasbhai Maganbhai Vasava	9979483312
359	JHAGADIA	Ambakhadi	Hiteshbhai Kanubhai Vasava	7567525213
360	JHAGADIA	Bhuri	Ranjanben Laxmanbhai Vasava	9978256594
361	JHAGADIA	Kunvarpara	Vasava Vinodbhai Ganpatbhai	7096250536
362	JHAGADIA	Rajpor	Shitalben Rajendrabhai Vasava	9510243822
363	JHAGADIA	Zazpor	Shilpaben Setulbhai Vasava	9710466058
364	JHAGADIA	Rumalpura	Sumitraben Kalidasbhai Vasava	9624891451
365	JHAGADIA	Kesharva	Gitaben Devanbhai Vasava	7285802283
366	JHAGADIA	Madhavpura	Kalidasbhai Maganbhai Vasava	9979483312
367	JHAGADIA	Simadhara	Piyankaben Niteshbhai Vasava	9069032194
368	JHAGADIA	Samarpada	Vasava Ranjit Somabhai	8160595279
369	JHAGADIA	Bilavada	Hiteshbhai Kanubhai Vasava	7567525213
370	JHAGADIA	Mandvi	Venilaben Subhash Vasava	9879883898
371	JHAGADIA	Jamoli	Venilaben Subhash Vasava	9879883898
372	JHAGADIA	Gundecha	Jiviben Bachubhai Vasava	9510705675
373	JHAGADIA	Maljipara	Ranjanben Laxmanbhai Vasava	9978256594
374	JHAGADIA	Choki	Vasava Vishalbhai Ganeshbhai	6355845918
375	JHAGADIA	Rampor	Shilpaben Setulbhai Vasava	9710466058

376	JHAGADIA	Andharkachhala	Vasava Rameshbhai Ramsingbhai	9727962611
377	JHAGADIA	Navagam Mota	Urmilaben Vithalbhai Vasava	9913037033
378	JHAGADIA	Randedi	Urmilaben Vithalbhai Vasava	9913037033
379	JHAGADIA	Bhojapor	Shitalben Rajendrabhai Vasava	9510243822
380	JHAGADIA	Sa.Boridara	Pramilaben Chandubhai Vasava	7874022664
381	JHAGADIA	Tejpor	Hetalben Roshanbhai Vasava	7874681894
382	JHAGADIA	Shir	Arvindaben Devendrabhai Vasava	9737334314
383	JHAGADIA	Dholi	Hiteshbhai Kanubhai Vasava	7567525213
384	JHAGADIA	Baleshwar	Ravindrabhai Laxmanbhai	7359079315
385	JHAGADIA	Untiya	Ajaybhai Navinbhai Vasava	8347432184
386	JHAGADIA	Panvadi	Rasilaben Sunilbhai Vasava	9726235049
387	JHAGADIA	Krushnapari	Mukeshbhai Adiyabhai Vasava	9510265115
388	JHAGADIA	Kantidara	Tarunbhai Anilbhai	9426972482
389	JHAGADIA	Parvata	Tallikaben Dashrathbhai Vasava	8980662062
390	JHAGADIA	Dhundha	Sumitraben Kalidasbhai Vasava	9624891451
391	JHAGADIA	Sa.Haripura	Rajeshbhai Ratanbhai Vasava	9537255263
392	JHAGADIA	Rajpara	Vasava Subhashbhai Ashokbhai	9601853065
393	JHAGADIA	Vaghpara Sa.	Rajeshbhai Ratanbhai Vasava	9537255263
394	JHAGADIA	Sultanpura	Vasava Vijaykumar Parvatbhai	9879540685
395	JHAGADIA	Damlai	Seemaben Umeshbhai Vasava	9106853880
396	JHAGADIA	Kharia	Jamanaben Satishbhai Vasava	9726036576
397	JHAGADIA	Patar	Ratilalbhai Somabhai Vasava	8200311638
398	AMOD	Achhod	Sajid Ali Patel	9328212044
399	AMOD	Denava	Chhatrasang Raaysang	9316973148
400	AMOD	Mangarol	Usman I Saleh	9574057901
401	AMOD	Dora	Babarbhai Shanabhai	6354632628
402	AMOD	Malkinapura	Ranjitbhai Chavda	9624375352
403	AMOD	Ikhar	TOSIF RAJA MALEK	9104819874
404	AMOD	Vedacha	Ajitsinh K. Padhiyar	9773218584
405	AMOD	Roja Tankariya	Ajitbhai Mohanbhai Chauhan	9924731107
406	AMOD	Kolavana	Yahya Z. Ughratdar	6357700193
407	AMOD	Simartha	Shailesh Kanubhai Patel	9624646496
408	AMOD	Vantarsa	Yasin Salim Chati	7621079357
409	AMOD	Sarabhan	Aary Patel	7984108701
410	AMOD	Ranada	Jayesh Thakor	9427544205
411	AMOD	Anor	Dharmendra Solanki	9099014951
412	AMOD	Telod	Sujitgir Goswami	9512679966
413	AMOD	Danda	Bhavesbhai Patel	6355041249
414	AMOD	Suthodara	Bhavesbhai Patel	6355041249
415	AMOD	Ochchhan	Drumil Patel	6351242979
416	AMOD	Karena	Natvarbhai Vithalbhai	9925645096
417	AMOD	Keravada	Sindhi Abidbhai	97731 62916
418	AMOD	Bodaka	Bharatbhai Chaturbhai Parmar	9879573466
419	AMOD	Asnera	Dattatreysinh Chhatrasinh Raj	9099242277
420	AMOD	Intola	Farid Mahamd	9265395729
421	AMOD	Purasa	Vijaybhai Rathod	7984129313
422	AMOD	Kankariya	Rajeshbhai Vasava	8320456108

423	AMOD	Bhimpura	Ajitbhai B. Rathod	9016904125
424	AMOD	Chakalad	Jitubhai Parmar	7284018215
425	AMOD	Matar	Babarbai	9725645883
426	AMOD	Ajamanagar	Ranjitbhai Vasav	9998712417
427	AMOD	Samani	Harshil D. Patel	9408026993
428	AMOD	Sudi	Shailendra Dabhi	9099241871
429	AMOD	Kesalu	Mitulbhai Patel	8980231137
430	AMOD	Kothi Vantarsa	Mubin Usman Kazi	7359393003
431	AMOD	Rodh	Kalpeshbhai Jadav	9722342202
432	AMOD	Shree Kothi	Vishalbhai Vasava	7698352092
433	AMOD	Ninam	Nayanbhai S Vasava	8156041148
434	AMOD	Tegava	MANharbhai C Gohil	9408027020
435	AMOD	Kurachan	Asif Aiyub Patel	9924697133
436	AMOD	Adavala	Pravin Bhai M Vankar	9898741704
437	AMOD	Vadiya	Vijaybhai D Parmar	8347602086
438	AMOD	Ranipura	Balubhai Sursang	7096431981
439	AMOD	Buva	Gauravbhai Patel	9712800755
440	AMOD	Vasana	Manoj M Thakor	9924800535
441	AMOD	Kobla	Dasarathbhai Bhutbhai Vasava	9913663996
442	AMOD	Dadapor	Roshnbhai Hasmukhbhai Thakor	7698125581
443	AMOD	Manjola	Hiteshbhai Patel	9913164187
444	AMOD	Ghamanad	Vasava Dilipbhai Somabhai	9737759818
445	AMOD	Tanchha	Raj JAYdipsinh	9913615979
446	JAMBUSAR	Dahri	Dilupbhai Rameshbhai Patel	9429188774
447	JAMBUSAR	Kaliyari	Jaydip R Patel	6351972256
448	JAMBUSAR	Zaamdi	Dasrathbhai R Chouhan	8849511505
449	JAMBUSAR	Jantran	Saddam Gulam Khilji	9724471448
450	JAMBUSAR	Nobar	Hitesh F Patel	9909417436
451	JAMBUSAR	Nodhana	Parmar Pravinbhai Parsotam	9824742482
452	JAMBUSAR	Runad	Arjunbhai J PARMAR	9925652045
453	JAMBUSAR	Thanava	Arunbhai B Gohil	9586663331
454	JAMBUSAR	M.Kamboi	Hitesh Bhai Shankar Bhai Patel	9904395672
455	JAMBUSAR	Sigam	Kishorsinh Mahendrasinh Yadav	6355565698
456	JAMBUSAR	Ha. Kanthariya	Virendr D . Patel	9979786191
457	JAMBUSAR	Kavi	Salimbhai Jamadar	9573921663
458	JAMBUSAR	Umra	Ranchodbhi Thakor	
459	JAMBUSAR	Uber	Rajendrabhai A Padhiyar	9909870970
460	JAMBUSAR	Neja	Dilipbhai Babarbai Patel	9726342504
461	JAMBUSAR	Piludara	Bhavi Bhai Solanki	
462	JAMBUSAR	Tha. Talavdi	Ranchhod Chhagan Rathod	9028125681
463	JAMBUSAR	Ba. Timbi	Basirbhai Patel	9601717618
464	JAMBUSAR	Singarna	Vijaybhai Mansang Padhiyar	7434842474
465	JAMBUSAR	Tundaj	Hanif Mahmud Atbha	8758026132
466	JAMBUSAR	Amanpur Nana	Ilyas Yakubbbhai Ghanchi	9327450894
467	JAMBUSAR	Kangam	Chandubhai Ranchod Prajapati	7436054527
468	JAMBUSAR	Vadadala	Manish Thakor	9054272028
469	JAMBUSAR	Sambha	Gohil Nilesh	7623092128

470	JAMBUSAR	Khanpurdeh	Patel Mohsin	7096308435
471	JAMBUSAR	Bhodar	Pratik Patel	9638544191
472	JAMBUSAR	Chhidra	Jayendsinh Chhastiya	9726393585
473	JAMBUSAR	Dabha	Sumanben Dilipbhai Makwana	7567866559
474	JAMBUSAR	Uchchhad	Vijaybhai Raj	9726575179
475	JAMBUSAR	Koteshwar	Jayeshbhai Chauhan	9825340527
476	JAMBUSAR	Nahar	Satyajitsinh K Mori	7984782169
477	JAMBUSAR	Kalak Group	Lakshamnabhai Chhotabhai Rathod	9924849919
478	JAMBUSAR	Vedach	Pravinbhai Parmar	9737862480
479	JAMBUSAR	Sarod	Ikabal Bhana	8320623326
480	JAMBUSAR	Dahegam	Sabbirbhai Malek	6353525062
481	JAMBUSAR	Kava	Parmar Harisang Naharsang	7861072614
482	JAMBUSAR	Karmad	Narsibhai Ravajibhai Rathod	6352953215
483	JAMBUSAR	Limaj	Abhisek Vithalbhai Patel	8141852003
484	JAMBUSAR	Madafar	Sakir Abdulreman Raj	7600392587
485	JAMBUSAR	Asanvad	Sanjaybhai Padhiyar	7567370536
486	JAMBUSAR	Kora	Mahesh Punjabhai Chauhan	6355744671
487	JAMBUSAR	Amanpor Mota	Ashwinbhai Patel	9664742691
488	JAMBUSAR	Sindhav Group	Dharmendra Bhai	6351040727
489	JAMBUSAR	Devla	Samad Bhai	9664878184
490	JAMBUSAR	Magnad	Ganpatsinh Raj	9726749727
491	JAMBUSAR	Bojadra	Jaypalsinh Parmar	6354179430
492	JAMBUSAR	Nadiyad	Kalpeshbhai. S.Rathod	7283822290
493	JAMBUSAR	Rampur	Balvant Madhavsang Parmar	9825549232
494	JAMBUSAR	Bhankhetar	Piyush V. Patel	9638813424
495	JAMBUSAR	Panchakada	Kiritbhai Bhavsang Gohil	6351774570
496	JAMBUSAR	Malpur	Jagmalbhai Parmar	9687461255
497	VAGRA	Akhod	Ghanyamsinh Yadav	9904292833
498	VAGRA	Ambhel	Raju Bhai Vasava	9925172341
499	VAGRA	Ambheta	Laxmanbhai Rathod	7046793148
500	VAGRA	Ankot	Hareshbhai V. Padhiyar	9737184159
501	VAGRA	Aragama	Aiyubbhai Patel	9723796779
502	VAGRA	Badalpura	Navneet Parmar	
503	VAGRA	Bhensali	Ikabal Pate	8140732265
504	VAGRA	Bhersam	Patel Alpeshbhai Jagdishbhai	9825594789
505	VAGRA	Chanchvel	Sikandar Musa Bapu	8347257984
506	VAGRA	Galenda	Ishaqbhai R Khan	8488087553
507	VAGRA	Gandhar	Nagji Gohil	9712957947
508	VAGRA	Jageshwar	Kiranbhai Kanubhai Patel	9979894933
509	VAGRA	Janiadara	Vasava Rameshbhai	9586205513
510	VAGRA	Kadodara	Arvind Bhai Parmar	8347652810
511	VAGRA	Kalam	Gohil Pravibhai Parsottam	9870091279
512	VAGRA	Keshwan	Surendrsinh Rana	9824962925
513	VAGRA	Khojbal	Asique Bai Mohamad Bhai	9979936423
514	VAGRA	Koliad	Manjuben	9909662467
515	VAGRA	Kothia	Chandrakant H Patel	9427413064
516	VAGRA	Lakhigam	Jigneshbhai Parmar	7405129065

517	VAGRA	Limdi	Rustam Abdul Patel	9723383280
518	VAGRA	Luvra	Parmar Sapnaben G	9909267309
519	VAGRA	Muler	Vinod Vasava	7096804370
520	VAGRA	Nandida	Anirudhsinh Yadav	9106613298
521	VAGRA	Narnavi	Isvarbhai	9879826378
522	VAGRA	Ochchhan	Divyesh Prajapati	9904659441
523	VAGRA	Ora	Balubhai Chaturbhai Vasava	9687739357
524	VAGRA	Pahaj	Ali Ibrahim	7359973054
525	VAGRA	Pakhajan	Patel Hanif	9737615988
526	VAGRA	Paldi	Yogesh Bhai Gohil	8200769513
527	VAGRA	Pipalia	Iqbal Pratapsang Raj	9723804831
528	VAGRA	Aarifbhai Ali Patel	Harun Mahmmad Patel	9924425375
529	VAGRA	Rahad	Vijaybhai Ramanbhai	9909570583
530	VAGRA	Rahiad	Jayeshbhai Rameshbhai Baraiya	8140872885
531	VAGRA	Sachan	Rathod Laxmanbhai Meljibhai	9737908909
532	VAGRA	Sadathala	Raj Shabbirbhai Amarasang	9913784474
533	VAGRA	Saladara	Rajkamal A. Thakor	9.17286E+11
534	VAGRA	Samatpor	Jayendra U.Parmar	9913852504
535	VAGRA	Sayakha	Raj Dharmendra M	7623873490
536	VAGRA	Sutrel	Budhabhai Rathod	8347273133
537	VAGRA	Suva	Rajeshbhai Gohil	7567502577
538	VAGRA	Trankal	Bharatbhai Vasava	7575838210
539	VAGRA	Vachhnad	Jaydevsinh Parakramsinh Chauhan	9723881642
540	VAGRA	Vagra	Mohsin Raj	-
541	VAGRA	Vahiyal	Harvant N. Raj	9924682765
542	VAGRA	Vastikhandali	Faizan Ayub Bhatti	8156039240
543	VAGRA	Vav	Shaileshbhai Thakorbhai Modi	9586653301
544	VAGRA	Vengani	Mehulbhai Shanubhai	-
546	VAGRA	Vilayat	Patel Rajendra Bhai	9909415546
547	VAGRA	Vinchhiyad	Patel Umarji Ismail	976789234
548	VAGRA	Vorasamni	Sufiyan Bhana	9601469606

Annexure

Annexure: - M

MAJOR HOSPITAL AND RESOURCES

No	Name	Speciality	Owner Name	No. Of Beds	Taluka	Mobile Number
1	Sewashram Hospital	Multispeciality	Dr Kiran hania	135	Bharuch	9601851609
2	Patel Welfare Hospital	Multispeciality	Dr Khalid Patel	135	Bharuch	9824141681
3	Bharuch orthopaedic hospital	Orthopaedic	dr abhishek darjee	27	Bharuch	9723812400
4	Adarsh ENT surgical hospital	ENT	Dr Ali Gulegulzar	3	Bharuch	9824177980
5	General Hospital Bharuch managed by KMCRI	Multispeciality	Dr Mitesh Shah	728	Bharuch	8780466505
6	SPARSH HOSPITAL UNIT OF JHS MEDICARE LLP	Gynaec	DR JIGESH MEHTA	12	Bharuch	9712981771
7	Narayan eye hospital	Ophthalmic	Dr Chetan Parikh	1	Bharuch	9723819460
8	PALMLAND HOSPITAL	Multispeciality	WASIM AYYUB RAJ	50	Bharuch	9925802555
9	CARE AND CURE HOSPITAL A UNIT OF TAPURIAH ASSOCIATES	Gynaec	DR ABHISHEK TAPURIAH	15	Bharuch	9328891170
10	URMEEL HOSPITAL AND ICCU CARE	Medicine	DR JYOTESH T GHEEWALA	15	Bharuch	9824120487
11	Yashojay hospital	Ophthalmic & Gynaec	Ashish Trivedi	5	Bharuch	9824331176
12	Little Star Children Hospital and NICU	Pediatric	Mohammadnaeem Shaikh	13	Bharuch	7698818673
13	Aagman Hospital	Gynaec	Dr Nirav Diwan	10	Bharuch	9426559238

No	Name	Speciality	Owner Name	No. Of Beds	Taluka	Mobile Number
14	Rose Maternity and Children Hospital	Gynaec & Pediatric	Dr Vidya Lakshmi Kachhela		Bharuch	9099927095
15	TEJSHAV CHILDREN HOSPITAL	Pediatric	DR BAJRANG SINGH RATHORE	22	Bharuch	9227436440
16	The Remedy Krishnashray Hospital	Multispeciality	Pankaj Hariyani	43	Bharuch	9924102797
17	Isha Clinic	Medicine & Gynaec	Chirag Vinaybhai Desai	5	Bharuch	9825277243
18	Care and Cure Hospital A Unit of Vamika Healthcare	Multispeciality	Dr Chintan Joshi	12	Bharuch	8871081087
19	PUSHTI HOSPITAL	Medicine & Gynaec	SAURABH DASEDA	18	Bharuch	7874103430
20	MOTHER CARE HOSPITAL	Gynaec	DR CHINTAN THAKKAR	20	Bharuch	9824325617
21	PRIYDEEP EYE HOSPITAL PVT LTD	Ophthalmic	Dr SANDIP SURESH THAKAR	3	Bharuch	9824702563
22	Swami Madhav Nursing Home	Gynaec	Dr Gautam Patel	20	Bharuch	9825821956
23	BARODA HEART MULTISPECIALITY HOSPITAL	Multispeciality	JANAK PATEL	50	Bharuch	9727701996
24	City Orthopedic Hospital	Orthopaedic	Lukman Nizamuddin Sheth	2	Bharuch	9725749191
25	SWAR ENT CLINIC	ENT	PRADIPKUMAR PATEL	3	Bharuch	9824137632
26	AANVI ENDOSCOPY AND SURGERY CENTRE	Surgical	DR RASHMIKANT CHAUDHARI	12	Bharuch	9824120966
27	CF SHETH MEMORIAL HOSPITAL	Orthopaedic	DR JAYESH JAGDISHCHANDRA SHETH	6	Bharuch	9763943999

No	Name	Speciality	Owner Name	No. Of Beds	Taluka	Mobile Number
28	APEX Multispeciality and Trauma Centre	Multispeciality	Harmony Medicare Pvt Ltd	50	Bharuch	9099984196
29	ASHA NURSING HOME	Gynaec	DR PRAKASH SEJWANI	10	Bharuch	7016451370
30	ADARSH HEART AND SUPERSPECIALITY HOSPITAL A UNIT OF NARMADA HEALTH MISSION PVT LTD	Multispeciality	BHOI SUKDEO SENU	30	Bharuch	8850835587
31	AATMIYA CARE HOSPITAL	Multispeciality	DR BHAVESH CHAUDHARI	18	Bharuch	7405232292
32	Shifa Hospital	Gynaec	Dr M Aslam Jahan	15	Bharuch	9427585163
33	Child Care Hospital	Pediatric	Dr Nimesh Dr Prashant Vasava	23	Bharuch	9016289495
34	KASHIMAA HOSPITAL	Pediatric	NEEL RASHMIKANT SONI	25	Bharuch	7020581015
35	AMAX MEDICAL CENTER	Ophthalmic	YUVRAJ PRIYADARSHI	1	Bharuch	9099607782
36	JAI JHULELAL HOSPITAL	Multispeciality	MANISH OMPRAKASH THAKUR	25	Bharuch	9429651237
37	APEX Multispeciality and Trauma Centre	Multispeciality	Harmony Medicare Pvt Ltd	40	Bharuch	8980006839
38	CITYCARE HOSPITAL	Multispeciality	DR SUHEL VAJA	35	Bharuch	9033160955
39	Narayan Hospital and Research Institute	Multispeciality	Mr Hemant Prajapati	49	Bharuch	7226018900
40	JEEVAN JYOT HOSPITAL AND ICU CENTRE	Multispeciality	DR KETAN S DOSHI	25	Bharuch	9825027016
41	7X MULTI SPECIALITY HOSPITAL	Multispeciality	MR NISHIDH AGRAWAL	35	Bharuch	9978354020

No	Name	Speciality	Owner Name	No. Of Beds	Taluka	Mobile Number
42	Shivani surgical and ENT Hospital	Surgical & ENT	Dr Jitendrakumar V Patel	12	Bharuch	7600535909
43	SHROFF NURSING HOME	Gynaec	DR AARTI SAMIR SHROFF	15	Bharuch	9824768768
44	Eva Maternity Home	Gynaec	Pragati Barot	5	Bharuch	9428175116
45	VEDANT HOSPITAL	Surgical & Medicine	DR KAUSHAL J PATEL	15	Bharuch	9558804324
46	VARIA HOSPITAL AND ICU PRIVATE LIMITED	Multispeciality	DR DUSHYANT VARIA	25	Bharuch	8866287322
47	EYE Q VISION PVT LTD	Ophthalmic	EYE Q VISION PVT LTD	1	Bharuch	8469267582
48	Shree Rang Nursing Home	Gynaec	Dr L R Gohil	5	Bharuch	9824101255
49	KINKHAB ORTHOPAEDIC AND SURGICAL HOSPITAL	Orthopaedic & Surgical	DR PARTH DIPAK KINKHABWALA	11	Bharuch	8469884298
50	MUNSHI CHILDERN HOSPITAL	Pediatric	DR SHROFF PRUTHUL SAMIBHAI	10	Bharuch	7096518156
51	Maple Hospital Unit of Broach Lifecare Hospital Limited	Cardiac	Dr Jay Vyas	25	Bharuch	9173595549
52	SWASTHYAM HOSPITAL NTPC	Medicine	NTPC LIMITED	15	Bharuch	9054488001
53	Sankalp Hospital	Multispeciality	DR Manish Gupta	25	Bharuch	9374721088
54	ESIC Hospital Ankleshwar	Multispeciality	–	100	Anklesvar	9925956804
55	Jayaben Modi Hospital	Multispeciality	Dr Aatmi Deliwala	120	Anklesvar	9724328649

No	Name	Speciality	Owner Name	No. Of Beds	Taluka	Mobile Number
56	Sardar Patel Hospital	Multispeciality	Dr.Vivek Gupta	100	Anklesvar	9825651234
57	CARE ANDCUREHOSPITAL	Gynaec	DRSHARDAKAMALKUMARTAPURIAH	12	Anklesvar	9099894443
58	DEVPUSHP WOMENS HOSPITAL	Gynaec	DR HIMIL GHEEWALA	15	Anklesvar	9662038173
59	Dr Ajmeris surgical and maternity hospital	Surgical & Gynaec	Ajmeri Mohammad Isaad	12	Anklesvar	9427105026
60	NAVJIVAN MULTI SPECIALITY HOSPITAL	Multispeciality	DR CHINATAN N SHAH	25	Anklesvar	7622992994
61	Ankleshwar Hospital And ICU Center	Multispeciality	Dr Azharuddi Aiyub Topia	25	Anklesvar	9899663867
62	Nityanand hospital	Multispeciality	Dr Nilesh J Desai	25	Anklesvar	9825114126
63	PATEL MULTISPECIALITY HOSPITAL AND ICU	Multispeciality	VASIM MEMON	30	Anklesvar	9982965856
64	MAMTA CHILDREN HOSPITAL	Pediatric	DR NIRAJ GUPTA	45	Anklesvar	8980963023
65	ABC+ CHILDREN HOSPITAL	Pediatric	DR TUSHAR SAVALIYA	17	Anklesvar	8980959285
66	WELCARE HOSPITAL KHAROD	Multispeciality	MEHMOOD AHMED BHAIYAT	100	Anklesvar	9377231130
67	SONI CLINIC	Gynaec	MAHENDRA JAYANTILAL SONI	18	Anklesvar	9925029334
68	ANJANI MATERNITY HOME	Gynaec	DR HARSHESH DAVE	14	Anklesvar	9909504940
69	Rudraksh Polyclinic And nursing Home	Gynaec	Yogesh Patil	15	Anklesvar	7405448385
70	DR BHUMIKA PATELS WOMENS HOSPITAL	Gynaec	DR BHUMIKA PATEL	18	Anklesvar	9974493535
71	TEESHA ORTHOPEDIC HOSPITAL	Orthopaedic	DR TARAL SHAH	20	Anklesvar	7984502246

No	Name	Speciality	Owner Name	No. Of Beds	Taluka	Mobile Number
72	TRILOKI HOSPITAL	Medicine	KETUL MEHTA	35	Anklesvar	8735874681
73	RB GENERAL HOSPITAL	Multispeciality	AJEET KUMAR SINGH	20	Anklesvar	6351767696
74	NETRAM EYE HOSPITAL	Ophthalmic	Pratik Savalia	1	Anklesvar	9909255516
75	AARAV ORTHOPAEDIC HOSPITAL	Orthopaedic	DR CHIRAGKUMAR BHARATBHAI PATEL	15	Anklesvar	9925473994
76	Ansh Surgical Hospital	Surgical	Dr Ankur H Patel	20	Anklesvar	9978981596
77	Thadhani eye hospital	Ophthalmic	Ashok Thadhani	6	Anklesvar	9825692824
78	Sunrise Hospital and ICU	Multispeciality	Dr Ankit Vakil	25	Anklesvar	9909926239
79	Nidhi Hospital	Gynaec	Dr Neeraj N Trivedi	15	Anklesvar	9825184434
80	YASH ORTHOPAEDIC HOSPITAL	Orthopaedic	DR MAHESH SONI	17	Anklesvar	9898045752
81	NAVJEEVAN HOSPITAL	Medicine & Gynaec	DR NARENDRA G SHAH	14	Anklesvar	7622992993
82	Shree Rang Children Hospital	Pediatric	Dr Mehul Modi	17	Anklesvar	8238035789
83	J B Hospital and Maternity	Medicine & Gynaec	DR JUNED BILAL JEEVA	20	Anklesvar	9873683867
84	ORANGE MULTISPECIALITY HOSPITAL AND ICU	Multispeciality	DR PRATIK PATEL AND DR JIGAR JARIWALA	31	Anklesvar	9099944104
85	AMI SURGICAL HOSPITAL	Surgical	SATISHKUMAR HARILAL MISTRY	8	Anklesvar	9824114604

No	Name	Speciality	Owner Name	No. Of Beds	Taluka	Mobile Number
86	Mehta Fracture and Orthopedic Hospital	Orthopaedic	RAJKUMAR NATVERLAL MEHTA	18	Anklesvar	9824029726
87	RHYTHM MULTISPECIALITY HOSPITAL	Multispeciality	DR PRASHANT GAUSWAMI	30	Anklesvar	8734840487
88	PADMASIDDHA HEALTHCARE	Multispeciality	MISS ARTI BALDEVBHAI PRAJAPATI	45	Anklesvar	9898302990
89	Dave Orthopedic Centre	Orthopaedic	Dr Charanjeet singh Ajmani	5	Anklesvar	9426120404
90	KAKA BA HOSPITAL	Multispeciality	DR BHARAT CHAMPANERIA	53	Hansot	9427328622
91	Shreeji Hospital And Prasuti Gruh	Gynaec	Dipak Jayantilal Rathod	30	Jambusar	9825198595
92	Almehmud General Hospital	Multispeciality	Dr Ajvad Khania	100	Jambusar	7405060773
93	Akshar Hospital	General medicine	Rakeshkumar Kantibhai Patel	5	Jambusar	9879017098
94	JAMBUSAR GENERAL HOSPITAL A UNIT OF AATMAJ HEALTHCARE LIMITED	Multispeciality	AATMAJ HEALTHCARE LIMITED	100	Jambusar	8401672656
95	Sevarural Hospital	Multispeciality	Dr.Pankaj Shah	200	Jhagadia	9426120316
96	DR BHATT HOSPITAL	General medicine	DR VYOMESH BHATT	12	Jhagadia	9925050001
97	Narmada Hospital	General medicine	Dr Bhavesh Machhi	12	Jhagadia	7984460697
98	Arogya Health Care Hospital	Multispeciality	Copper Jan Seva Trust	10	Vagra	9816014880
99	Amax Medical Center	Multispeciality	YUVRAJ PRIYADARSHI	25	Vagra	9327703283
100	Vighnahara Hospital	General medicine	Himali Dipakkumar Rajgadhi	16	Valia	9601994448

Annex-M 1 Other District Major Hospitals

Sr.No	Name of Hospital	Contact Details	
		Mobile	Office
1	Kiran Multi Speciality Hospital, Surat	9033870241	9726432756
2	Shalby Hospital, Surat	9033976680	9898961386
3	SMIMER Medical College, Surat	9724984008	8320439442
4	New Civil Hospital, Surat	8238729096	8799371357
5	Tricolor Hospital, Vadodara	9724995882	
6	Dhiraj Hospital , Vadodara	7874025533	
7	Cross Road Hospital, Vadodara	7573011524	
8	BAPS Hospital, Vadodara	7069032127	

Annex- M 2 BHARUCH DISTRICT BLOOD BANKS

Sr No	Name	Address	Phone No.
1	Red Cross Blood Bank	Sevarasm Hospital Campus, Bharuch	02642 - 243603
2	KMCRI Blood Bank	3rd Floor, Civil Hospital, Bharuch	9898799753
3	Unity Blood Bank	Ground Floor, Near Bandhan Bank, Bharuch	9662453811
4	Kumar Pal Blood Bank	Omkar Complex, Valia Road, Near Shree Rang Hospital, Ankleshwar	02646 - 224530

Annexure:-N

BHARUCH DISTRICT NGO CONTACT LIST:-

Sr. No	Name of NGO	Name of Person	Office Phone Number	Residence Number	Mobile Number	Activity
1	Rotary Club	Ketanbhai shah	02642 243612		9825226803	Social
2	President of Lions Club	President Balavansinh			9428887185	Social
3	President of Indian Medical Association.	Prashant Vasava	02642 263290		9537567853	Health & Social
4	President of Patel Welfare Hospital	Mohmad patel A.V.Matadar	(02642) 244880 244881 241044	02642241 044	9824148002 9824854416 9099028169	Health & Socail Activity
5	President of Bharuch District Drugs & Chemical Association	Bharatbhai shah	02642243 559		9925554930	Social
6	G.N.F.C. (NARDESH)	Anurag Srivastava (Project Manager)	(02642) 663480		9429003857	Social
7	N.T.P.C	-	(02642) 287414			Social Activity
8	Videocon, Chavaj	Niraj Saxsena	(02642) 240803		9227196168	Socail Activity
9	CLP India (formerly known G.P.E.C)	General Manager	(02642) 671101 288502		9824008075	Welfare Activity
10	Jan-Education, Bharuch (Jan-Gan Sanstha)	Retul saiyaad fardishben mansuri	02642 260082	02642 265365	9825304175	Education
11	President Jalaram Temple, Ankleshvar	Arvindbhai T Rana Hasmukhbhai M Rana	(02646) 696339		9429478840	Socail & Religious
12	Ankleshvar GIDC	President	02646 251111			Industry related activity

Sr. No	Name of NGO	Name of Person	Office Phone Number	Residence Number	Mobile Number	Activity
13	Kakaba & Kalbadh Public Cheritable Trust, Hansot	President bharatbhai Alpeshbhai	02646 262003 262069		9909031760 9427328622	Health & Socail Activity
14	Gardha Foundation	President	02646 250305	02646254 562	9687979399 9099910901	Social activity
15	Narmada Nagar Industrial Association, Bharuch	President Kirti Patel	02642 228093 245596	02642 227162	9979896160	Welfare activity
16	Bharuch District Civil Eng. Forum, Bharuch	President	02642 241574	02642 226773	9377413049	Social
17	Eklavya Manav Seva Trust.Bharuch.	President Sangitaben Raj	02642 325388		9427105356	Education
18	Narmada Edu.& Scientifics Research Soc.Bharuch	President of	02642 663599 2470011			Education & Socail Activity
19	Gurukul Nahiyer, Amod.	Devkishor swami Bhakti Swami	02641 245511	02641 245511	9687190004 9427101948	Education & Social
20	President Santigram Tancha,Amod	Rohitbhai patel			9726865098	Social Welfare
21	Vikas Agency Development, Amod	President	02641 220580		9428324355	Social& Education
22	President Sramik Vikas Sansthan Vagra	Ramanbhai K Chaucha	02641 225453	94271599 19		Education
23	Birla Cooper . Dahej, Vagra.	Satish Bhavir	(02641) 256004 to06		9904705975	Social activity
24	Munsi Manubarwala Cheritable Trust	S.A.Patel	(02642) 256908 256909			Education & Socail Activcity
25	A.K.R.S.P- Netrang	Ramanbhai Patel	02643		9925239320	Women's Empowerment And Economic development & Socil

Sr. No	Name of NGO	Name of Person	Office Phone Number	Residence Number	Mobile Number	Activity
27	Jhagadia Industrial Accociation	Ashok Panjvani Anil jain Mr. bhatt	(02645) 226087		9909994902 9909994941	Industries & Social welfare Environm ent safety
28	Welfare Hospital & Research Center	Dr.Suketu Dave	(02642) 241044 244881 244880		9824141681 9428025009	Health
29	Human Welfare, Environment & Seafy Association	Gitaben P Thakar			9924395509	Human Welfare & Environm ent safety
30	World Vision India	Ronald John			9867611675	Social
31	Bharuch Dist Mahila Pramukh	Vinaben T.Rana			9904176335 7984342244	Womens Welfare
32	Krishna Manav Seva Traust	Jyotsna N.Machchhar			9898233702	Women welfare
33	Gram Nirvan K.Mandal Thava Netrang	Mansing mangrola Narendrasigh			9426439170 9925035956	Education & Social activity

Annexure –O FCI & Civil Supply Godowns in the Bharuch District

Sr.No	Agency Name	Address	Contact Number
1	Gujarat Co-Operative Markating Society Ltd.	Vagusana NH/8 Tal : Bharuch	02642-231255
2	Civil Supplies Godown	Jambusar	02644-220036
3	Civil Supplies Godown	Amod	02641-2454120
4	Civil Supplies Godown	Vagra	02641-225259
5	Civil Supplies Godown	Bharuch	02642-395188
6	Civil Supplies Godown	Ankleshvar	02646-395695
7	Civil Supplies Godown	Hansot	02646-262525
8	Civil Supplies Godown	Jhagadia	02645-220048
9	Civil Supplies Godown	Valia	02643-270679

Annexure P

List of Panjarapol

Sr.No	Agency Name	Address	Contact Number
1	Bharuch Panjrapol. Saktinath Modi Park near Bharuch	Sureshbhai I Shah. Sonari MahelBharuch	02642-653885 9824157170
2	Panjrapol Kava Bhagol Jambusar	Bhalchandra C Shah.N/R Police Station – Jambusar	02 644-220031

Annexure-Q													
DETAILS OF HELIPAD													
Fmn / Units	Name of location	GPS coard of helipad in lat / long.	Heli pad elev ation in mtr & feet	Exca ct size of helip a d i mtr	Surface of helipad i.e. black top/ concret e / kachha	Gener al wind patter n i.e. South Westerly / Easterly etc.	Avlb of fire figtinh equip., refuelli ng, med facility and wind sock.	Obst within 200 mtr oof Helipa d with height & aproox bearin g from helipad .	No two helip ad sho ul d have sam e nam e .	Controlling Agncy (Army / BSF/Civ Adm) if clv adm., pt incl the name / appt and tele No. of the office controlling.	Regd . Or not	Last landing date (incl type of heptr)	Remark s (Any other info)
1	G.N.F.C „ Bharuch	Latitude 21°-43'-23.6" Longitude 73°-01'-25.2"	-	Crick et Groun d	Kachha (Grass)	-	-	No	-	G.N.F.C. Co.Ltd. , Bharuch	-	-	-
2	Videoc on, Chavaj	Latitude 21°-44'-35.9" Longitude 72°-59'-47.1"	-	12 mtr dia	Concrete	-	-	No	-	Videocon Co.Ltd. , Chavaj	-	-	-
3	G.P.E.C „ Paguth an	Latitude 21°-46'-52.3" Longitude 72°-58'-37.3"	-	19 mtr dia	Concrete	-	-	No	-	G.P.E.C., Paguthan	-	-	-
4	Nikora	Latitude 21°-46'-52.1" Longitude 73°-07'-42.9"	-	19 mtr dia	Concrete	-	-	No	-	Nikora (Private)	-	-	-

Fmn / Units	Name of location	GPS coord of helipad in lat / long.	Heli pad elevation in mtr & feet	Excact size of helipad in mtr	Surface of helipad i.e. black top/ concrete / kachha	General wind pattern i.e. South Westerly / Easterly etc.	Avlb of fire fighting equip., refuelling, medical facility and wind sock.	Obst within 200 mtr oof Helipad with height & aproox bearing from helipad	No two helipad should have same name .	Controlling Agency (Army / BSF/Civ Adm) if clv adm., pt incl the name / appt and tele No. of the office controlling.	Regd . Or not	Last landing date (incl type of heptr)	Remarks (Any other info)
5	O.N.G.C., Ankleshwar	Latitude 21°-38'-17.9" Longitude 73°-00'-49.3"	-	25 mtr dia	Asphalt	-	-	No	-	O.N.G.C. Ltd., Ankleshwar	-	-	-
6	Pandvai Sugar Factory	Latitude 21°-28'-58.4" Longitude 72°-55'-19.1"	-	20 mtr dia	Concrete	-	-	No	-	Pandvai Sugar Factory	-	-	-
7	G.A.C.L., Dahej	Latitude 21°-42'-25.3" Longitude 72°-35'-59.7"	-	19 mtr dia	Concrete	-	-	No	-	G.A.C.L., Dahej	-	-	-
8	Reliance (I.P.C.L.), Dahej	Latitude 21°-41'-29.4" Longitude 72°-34'-39.6"	-	30 mtr dia	Asphalt	-	-	No	-	Reliance Co.Ltd. (I.P.C.L.), Dahej	-	-	-

Fmn / Units	Name of location	GPS coord of helipad in lat / long.	Helipad elevation in mtr & feet	Exact size of helipad in mtr	Surface of helipad i.e. black top/ concrete / kachha	General wind pattern i.e. South Westerly / Easterly etc.	Avlb of fire fighting equip., refuelling, medical facility and wind sock.	Obst within 200 mtr of Helipad with height & approx bearing from helipad	No two helipad should have same name	Controlling Agency (Army / BSF/Civ Adm) if civil adm., pt incl the name / appt and tele No. of the office controlling.	Regd. Or not	Last landing date (incl type of helipad)	Remarks (Any other info)
10	Welspun, Dahej	Latitude 21°-43'-06.8" Longitude 72°-38'-13.4"	-	20 mtr dia	Concrete	-	-	No	-	Welspun Co. Ltd., Dahej	-	-	-
11	Birla Century Jhagadia GIDC	Latitude 21°-40'-10.00" Longitude 73°-08'-12.7"	-	22 mtr dia	Concrete	-	-	No	-	Birla Century Jhagadia GIDC, 826, GIDC Industrial Estate	-	-	-
12	Sakata Inks Co. Ltd.	Latitude 21°-33'-01.2" Longitude 72°-59'-51.2"	-	22 mtr dia	Concrete	-	-	No	-	Sakata Inks Co. Ltd. Panoli, Ta. Ankleshwar Dist. Bharuch	-	-	-

Annexure :- R

List of Bharuch District MAH Units:-

Sr.	NAME OF FACTORY AND ADDRESS	Hazardous Chemicals Handled & Quantity	Name and Contact Number
1	Aarti Industries Limited Plot no. Z/103/C, SEZ-II, Dahej, Tal-Vagra, Dist- Bharuch, Gujrat, 392130	2,5 Di-chloro nitro benzene 54.72 Metric Tons (MT)	Occupier: Mr. Ajay Kumar Gupta Phone: +91 998953992
2	Alkyl Amines Chemical limited PLOT NO: D2/CH/149/2, GIDC Dahej- 2,TA:Vagra,Dist:Bharuch, Gujarat – 392130	Methanol-869 KL*2 tanks (80% Storage Only) Anhydrous Ammonia-155 KL*2 tanks (80% Storage Only) HCL-160 KL*2 tanks Acetic Acid-240 KL*2 tanks Caustic Lye 46%-24 KL Methylamines (Mono, Di, Tri)-155 KL*4 tanks (496 KL storage only) Amine Hydrochloride-200 KL*2 tanks (320 KL storage only) Acetonitrile-150 KL6 tanks (640KL storage only) Sodium Acetate-38 KL (30 KL storage only)	Occupier: Rakesh Goyal 02267488225 Mobile:9819265922
3	Anshika polysurf ltd Plot no : C-383/1, Argama industrial estate, Saykha GIDC, Ta: Vagra, Dist : Bharuch	Ethylene oxide – 7 MT Propylene oxide – 7 MT Butadiene – 10 MT	Occupier: Anubhav Jain Phone: 9810747272
4	Anugrah Industries Private Limited Plot No. D3-26/1&2, GIDC Dahej – 392130, Tal. Vagra, Dist. Bharuch	Toluene Diisocyanate – 250 MT Chlorine Tonner 156nos	Occupier: Mr. Ambalal Patil 6352432642

5	Apcotex Industries LtdDungariBharuch-393 135	Acrylonitrile - 100 MT 1,3-Butadiene - 290 MT	Factory Manager- Mr. Uday Desai (M) 9825320805
6	Atul Ltd (Aromatics Business) Plot no 297, 297/1, GIDC estate, Ankleshwar, Dist- Bharuch	1. SO3- 100 MT SO2- 20 MT	Occupier: Mr. Vivek Gadre Office: 02632 230000 Mobile: 98241 13349
7	Bharat Rasayan Limited 42/4, GIDC Dahej-Amod Road,Dahej-392130	Chlorine-18 MT Bromine-8 MT Solvent -Class A-300 kl Solvent -Class-B-160 kl DiMethylSulphate-40 kl Hydrogen gas-3200 m3 DiMethylAmine-24 kl Acrylonitrile-40 kl Toluene Di iso cyanate-40MT Methyl Diao cyanate-15 MT Isobutylene-32 kl Ethion-10 MT	Occupier: Mr. Ajaykumar Gupta Office: 02642696684 Mobile: 7046500020
8	Birla Cellulosic (A Unit of Grasim Industries Ltd) Birladham, Village – Kharach, Near Kosamba, Tal – Hansot, District – Bharuch.	Carbon Di Sulphide (Maximum that can bestored-720 MT) Actually stored (including in process & handling 300MT)	Occupier: Himanshu Kapania Phone: 02646 270001-005 Office: 02646 270001-005
9	Bodal Chemicals Limited Plot No. 301 to 430+433 to 440/1, Juned Bhersam Estate, GIDC, Saykha TA: Vagra, Bharuch, Gujarat - 392140	Chlorine 268 Nos Tonner (311400 Kg), Benzene – 426 KL,	Occupier: Mr. Rajarshi Ghosh Mobile 9909950907

10	Borosil Renewables Limited Ankleshwar–Rajpipla Road, Village – Govali, Bharuch, Gujarat	LPG 32 MT × 2 Tanks = 64 MT 5MT × 3 Tanks = 15 MT Total Capacity = 80 MT	Occupier: Shri. Sunil Roongta Phone: 02645-258150
11	Century ENKA Ltd. (Unit: Rajashree Polyfil), Rajashree Nagar, Post: Umalla, Tal: Jhagadia, Dist: Bharuch – 393120	LNG- 35 MT	Occupier: Shri.Suresh Sodani Office: +91 2066127301
12	Chemieorganic Chemicals (I) Pvt. Ltd. Plot No. 758 G.I.D.C. – Jhagadia.Tal.: Jhagadia, Dist. Bharuch, Gujarat-393110	Cl ₂ , H ₂ S/ Cyanide Poisoning, Chloroaniline, Benzene & its Derivatives, Sulphuric/ Nitric/ HCl acids	Occupier:Sh. Mayank J. Shah Land line no. 022-42551201-02
13	Cheminova India Ltd. 27,28 GIDC Phase IvBharuch, Panoli-394 116	Chlorine - 96 T	Factory Manager- Mr. Yogesh Trivedi, (M) 9825323541
14	Clp India Pvt Ltd Paguthan Bharuch-392 015	Chlorine-11 T Naphtha - 16 T	Occupier: Mr. Jensih Bhai (M) 9824008075
15	Clp India Pvt Ltd Vill: Naphtha Storage Terminal Post-Haldar	Naptha - 48 T	Occupier: Mr. Jensih Bhai (M) 9824008075
16	Cohizon Life Sciences Limited, Plot No 6102-03, 6117-19, GIDC Ankleshwar – 393002 Gujarat - India	Chlorine – 164 MT per month	Occupier: Mr. CB Bhardwaj Office: 6357684904 Residence: 6357684904

17	Coromandel International Ltd, Ficom Chowkadi, Ankleshwar	Bromine – (24*3) 72 KL	Factory Manager: Mr Pravin Jain Mobile:989800149
18	Covestro (India) Pvt. Ltd. 3501-15, 6301-13 & 16 mtr road/B2, GIDC Industrial Estate, Ankleshwar – 393 002	Toluene Diisocyanate – 250 MT	Occupier: 7304989685
19	DCM Shriram Ltd (Unit: Shriram Alkali & Chemicals) Plot no. 749, GIDC, Industrial estare, Jhagadia, Bharuch, Gujarat	Sodium hydroxide: 1100M3X 3 1923M3X 2 Chlorine: 100 MT x 4 Chlorine tonners: 900Kg x 2016nos. Hydrogen cylinders: 1528 Cylinder Hydrochloric acid : 125M3 x 4 265 M3x 2 225M3 X 2 Sodium Hypo chlorite 132.7 M3 X 2Nos. 265 M3 X 1Nos. 225 M3 X 2Nos. Aluminium Chloride : 2200 MT Epichlorohydrin : 1500 M3 x 01Nos. H2O2 : 500 M3 x 2 Nos. 220 M3 x 1 Nos. Sulfuric acid (98 %) :	Occupier: K K Sharma Phone: 9968660606

		75.4M3X 1 75.5M3 X 1	
20	Deepak Chem Tech Limited Plot No. D-II/ 6/1 & D-II/6/1 ^a , Dahej- II Industrial Estate, Dahej, Village: Rahiyad, Tal: Vagra, Dtist: Bharuch – 392130, Gujarat, India	1. Chlorine 2. Anhydrous Hydro Fluoride	Occupier: Mr. Sandesh Kumar AnandOffice: 0265- 2765200/2765500Mobile: 6354784607
21	Dharti Enterprise, D-2 / CH-326, Near ONGC Corridor, Vill. Jolwa, Dahej Ta. Vagra, Dt. Bharuch	Ethylene Oxide – 14 MT. Propylene Oxide-14 Mt. Aniline oil- 150 MT. Sulphuric Acid -150 MT.	Occupier: Milanbhai D. Patel Residence Mob. 9904850026
22	Elantas Beck India Ltd. Plot 1 & 122, GIDC, AnkleshwarBharuch	Formaldehyde - 23 MT	Factory ManagerMr.Janak Ramani (M) 9607928711
23	Epigral Limited CH1, CH2, CH/1+2B GIDC Industrial Estate, Dahej, Tal. Vagra, Bharuch - 392 130 Gujarat, India	Chlorine Gas335 MT Hydrogen Gas120 Cylinder Methyl Chloride39.94 KL Methanol1425 MT Cyclohexane174 KL O-Xylene185 KL Toluene570 KL	Occupier: Mr. Kaushal Soparkar Mobile: 9825308047

24	Expanded Polymer Systems Pvt.Ltd	Ethylene Oxide-; 28 MT Propylene Oxide:144 MT Acrylonitrile: -55 MT	Occupier: Mr.Mukesh Bhuta Phone: 8511179298
25	Flourescent Chemical Industries Pvt. Ltd. Plot No. 311, G.I.D.C., Panoli	Chlorine - 25 MT	Factory Manager- Mr.Dinesh Bhai Kakadiya (M) 9067056656
26	GACL-NALCO Alkalies And Chemicals Pvt. Ltd. Plot No D/II/9/1 & D/II/9/2, GIDC Dahej, Taluka: Vagra, Dist – Bharuch, Gujarat	500 MT in Storage tank + 250 MT in Cylinde Total 750 MT	Occupier: Mr. Nikhil Bhargava Phone: 99090 29496 Office: 99090 29496
27	Gail (India) Limited, Gandhar, Po. - Rozatankaria, Tal.Amod, Dist.Bharuch, Gujarat, Pin- 392140	Sulfuric Acid - 13 KL Ethyl Mercaptan - 6.4 KL Chlorine - 400 Kgs Methanol - 22 KL	Occupier: Arindam Das Office: 2641-231002, Ext No.: 871510 Residence: 2641-231002, Ext No.: 77510 Mobile: 7086023407
28	GNFC D-2/8, GIDC Vill Rahiyad	TDI	Factory Manager- Mr. V C Bhatt (M) 9898063460
29	Grasim Industries Limited Plot No.1. GIDC Vilayat, Tal-Vagra, Dist-Bharuch	Chlorine -105.30 MT	Factory Manager- Mr. Sanjay Dhar (M) 9904409127

30	Gujarat Chemical Port Limited P.O.- Lakhigam, Via- Dahej, Tal- Vagra, Dist- Bharuch, Gujarat-392130.	Naphtha- 13350 M3 (14 series) Naphtha- 19280 M3 (14 series) Propane- 45000M3 Butane- 27000 M3 LPG- 2310 M3 P.O- 2970 M3 Para Xylene- 37640 M3 Ortho Xylene- 4400 M3 Ethane- No storage, only pipeline transportation, pipeline volume- 5252 KL, PY Gas- 9218 M3 Styrene- 5702 M3 Acetic Acid- 8000 M3	Occupier: Pawan Mishra Phone: 02641-261002 Mobile: 9998011567
31	Gujarat Fluoro Chemicals Limited Plot No D-2-CH-173 + D-2-CH-222 Village- Jolva GIDC Dahej Industrial Estate Taluka: Vagra Distt: Bharuch 392130 Gujarat	1.Chlorine – 26 Tonners	Occupier: Mr. Niraj Kishor Agnihotri Mobile: 9909013721
32	Gujarat Fluorochemicals Limited, 12/A GIDC Dahej Industrial Estate, Taluka Vagra, District Bharuch 392130, Gujarat	Liquid Chlorine – Max: 315 m ³ Actual: 179 Hydrogen Gas – Max: 100000 Nm ³ Actual: NA Anhydrous Hydrofluoric Acid (AHF) – Max: 18.07 MT Actual: 13	Occupier: Mr. Niraj Agnihotri Phone: 02641 618031 Residence 7861812701
33	Gujarat Guardian Ltd. State Highway – 13, Valia Road, Ankleshwar, Dist. Bharuch, Gujarat – 393001	LPG – 240 MT (04 bullets – 60 MT each)	Occupier: Mr. A. M. Surana Phone: 2643257200 Mobile: +91 98989 08707

34	Gujarat Narmada Valley Fertilisers Co. Ltd.P.O. NarmadanagarBharuch-392015	Ammonia -20093 T Chlorine- 18000 T LPG - 45 T Methanol - 7290 T Naphta - 144 T	Factory Manager- Mr. V C Bhatt (M) 9898063460
35	Gujarat Narmada Valley Fertilizers & Chemicals Ltd. (GNFC) Address: GNFC, Narmadanagar, Bharuch – 392015, Gujarat, India.	Methanol – 1,85,000 MTPA TDI – 67,000 MTPA Aniline - 40,000 MTPA	Occupier: D C Rana Office 3650 Residence :230897 Mobile: 9898030897
36	Hikal Limited Plot No. 629/630-B GIDC Estate, Post: Panoli.	Bromine 50 MT	Factory Manager: Mr. Subrat Satpathy Address: Plot No. 629/630-B Gidc Estate, Post: Panoli. Phone: 02646 302100. Ext. 5201
37	Hindalco Ind. Ltd. Unit: Birla Copper, P.O. Dehej Lakhigam, Dist. Bharuch Bharuch-392 130	Propane - 292 MT Nephtha- 440 MT Ammonia- 10000 MT	Factory Manager-Mr. Anil Tipne (M) 8722804677
38	Hindustan Petroleum Corpn., Ltd. Piludra, Nr. Ongc Ctf Unit Ankleshwar, Bharuch	LPG - 777 T	

39	Hunts Mann Performance Product India Pvt Ltd 321, G.I.D.C., Panoli Dist. Bharuch	Ethylene Oxide 30 MT	Factory Manager-Mr. Kalpit Pandya (M) 9714006899
40	Impro Interchem Pvt. Ltd. Plot No.414, GIDC Panoli, Bharuch	Ethylene Oxide - 7 MT	Factory Manager- Mr. Modi (M) 9427518021
41	Indian Oil Corpn. Ltd.Village Rojatankaria DistBharuch, Amod-392 410	LPG - 2000 MT	Factory Manager-Mr. Ramarao (M) 9426416092
42	Indo Baijin Chemicals Pvt. Ltd. Plot No. Z/7/1, SEZ-1 Area, Dahej SEZ Ltd. Tal - Vagra, Dist - Bharuch - 392130, Gujarat, India.	3217 M3 X 01 Nos90 M3 X 02 Nos	Occupier: Mr. Kaushal Bisen Phone: 02641 277200 Factory Manager: Mr. Milind Vaidya Phone: 02641 277204 Mobile 8980042784
43	Indorama Vevnture OxidesAnkleshwar Pvt. Ltd.Plot No. 321, GIDC Panoli, Ankleshwar, Bharuch.	1. Ethylene Oxide 2. Propylene Oxide	Occupier: Mr. Chad Alan Anderson Phone: 8097721935Office: 02646-660729Mobile: 8097721935
44	Indorama Vevnture OxidesAnkleshwar Pvt. Ltd.Plot No. 321, GIDC Panoli, Ankleshwar, Bharuch. Dai-Ichi Karkaria Limited,Plot No. D2 / 20, GIDC Dahej-2, Taluka: Vagra, Dist.: Bharuch, Gujarat	EO- 38 MT PO- 38 MT	Occupier: Mrs. S.F Vakil. Office 2222077087 Factory Manager: Mr. Shrutikant Agnihotri Phone: (02616) 723504

45	Industrial Solvent & Chemical Pvt Ltd.	SO3 : 210 MTD	Occupier: B J Pandit Phone: 02646 249549 Mobile 9327353253
46	Ion Exchange (India) Limited, Plot No. 5811-12-13 GIDC Estate, Ankleshwar	Oleum (Sulphur Trioxide) Qty: 120 MT	Occupier: Mr. Indraneel Dutt Mobile 8800677229
47	Jal aqua international llp, Plot no:620 road no.06, GIDC estate panoli, Dist- Bharuch	Chlorine – 62 MT	Occupier: Mr. Suresh Patoliya Mobile: 9825128111
48	Jayshree Aromatics Limited Plot No. 4703,4704,4705/1/2,3&4, GIDC, Ankleshwar, Gujarat-393002	Chlorine (43200 Kg) Toluene (100 KL) Methanol (20 KL) Ethanol (20 KL) HCL (150 KL) Bnezy Chloride (250 KL) Hydrogen (212 Nos.) Acetaldehyde (20 KL)	Occupier: Hasmukhbhai J Patel Phone: 9825031253 Office 9825031253
49	Jubilant Ingrevia Limited & Jubilant Infrastructure Limited	Chlorine tonner – 134 nos. of 900 Kg each Ammonia gas storage – 220 MT Highly flammable liquied – 4000 KL	Occupier: Mr. Vijay Kumar Shrivastava Phone: 01204958033 Office: 01204958033
50	KLJ Organic Limited Plot No-759, GIDC Estate, At&Po: Jhagadia,Ta:Ankleshwar Dist-Bharuch	Chlorine - 90 MT	Occupier: Shri Shantilal Dugar Phone: 011-25459706

51	Krishna Antioxidants Pvt Ltd Plot No.: D-3/24/1, GIDC Dahej Phase – III, Village Samatpor, Taluka Vagra Dahej, Dist. Bharuch (Gujarat) – 392130	Ethylene Oxide – 39 MT Styrene – 41 MT	Occupier: Sanjay Jotiba Wandre Mobile: 9833871950
52	Kurlon Enterprise Ltd. 902/4, GIDC Jhagadia, Dist.-Bharuch	TDI- 120 MT	Factory Manager-Mr. Vivek Mishra (M) 9712918943
53	LANXESS India Pvt. Ltd, Plot No. 748/2/A, 748/3 & 748/4/B +748/4/A/1, GIDC Estate, Jhagadia – 393110, Dist. Bharuch.	Oleum 65%, 50 Tons, Acrylonitrile, 75 Tons	Occupier: Mr. Balaram Govind Khot Mobile: 8657554120
54	M/ S Superform Chemistries Limited (Unit – 92) Plot No- D 3 / 6 Gidc I I I, Kadodara Ta-Vagara, Dist. Bharuch (Gujarat)- 392110	Ammonia (125 KL* 3) Sodium cyanide (70 KL* 2) Cl 2 (204 * 9 TON)	Occupier: Mr. Raj Kumar Tiwari Phone: 9930829725

55	M/s BVC Specialities Pvt. Ltd Plot D3/5/1 & D3/5/2, GIDC Estate, Dahej-III, Bharuch, Gujarat – 392130	Formaldehyde (37%) -100 MT Methyl Chloride -3 MT Hydrogen gas -0.9 MT Methanol -40 KL Acetone -10 KL Toluene – 40 KL Cyclohexane - 30 KL Ethanol -45 KL Butyraldehyde-50 KL 1-Heptyne-6.5 KL 1-Octyne-6.5 KL Tetrahydrofuran-60 KL Methyl Tetrahydrofuran- 60 KL N Chloro pentane – 5 KL Methyl Cyclo Hexane – 7KL Isobutryldehyde – 9 KL Butyraldehyde – 20 KL Diesel – 23.85 KL Acetic acid -35 Kl Anisole – 70 kl E2MB – 62 KL Pamelol Acetal-20 KL Propionic Acid- 80	Factory Manager: Mr. Jignesh Patel Phone: - 9033013791
56	M/S Clairvoyance Industries Pvt Ltd D2 Ch 29 Phase II Dahej	Methanol 20 MT EO 17.5 MT	Occupier: Mahesh Chauhan Phone: 8000005303 Mobile 8000005303

57	M/s Coromandel International Limited, Dahej Plot No. Z – 103/G, Dahej SEZ – II, Dahej – 392130, Tal. Vagra, Dist – Bharuch, Gujarat (India)	150 KL CS2	Occupier: Mr. S Sankara subramanian Mobile: 9959022121
58	M/s Deepak Phenolics Limited, Plot No. 12/B/1 + 12/B/2/2, GIDC Dahej, Village: Ambetha, Taluk: Vagra, District: Bharuch, 392130, Gujarat.	Phenol: - 6756 M3 Acetone: - 4864 M3 Iso Propyl Alcohol: - 2220 M3 Cumene: - 5342 M3 Alpha Methyl Styrene: - 15 M3 Heavies: - 357 M3 Poly iso propyl benzene: - 20 M3. Propene: - 2444 M3 Benzene: - 6254 M3 Propylene: - 7298 M3	Occupier: Mr. Kishor Jhalaria Phone: 0265 276 5500 Mobile: 7575050850
59	M/s Galaxy Surfactants Ltd. Plot No. 892, Jhagadia Industrial area, Tal: Jhagadia, Dist: Bharuch, Gujarat-393 110	Ethylene Oxide (76 MT)	Occupier: Mr. Vaijanath Kulkarni Phone: 9867253987
60	M/s Jay Chemical Industries Pvt. Ltd., Saykha (Unit-IX) Plot No. DP - 49 to 52, Saykha Industrial Estate, Tal. Vagra, Dist. Bharuch, Gujarat, India - 392160.	Acrylonitrile- 50 KL Ethylene Oxide- 30 MT Propylene Oxide- 10 MT Formaldehyde- 50 KL	Occupier: Mr. Ravi Kabra Phone: 079-61947200 Mobile: 9925204411

61	M/S Linde India Ltd. Plot No. D-2/ 19, Dahej - li/19, Dahej, G.I.D.C Industrial Estate, Village: Suru, Taluka -Vagra, Dist.- Bharuch - 392 130	Liquid oxygen-140 TPD Liquid nitrogen-103 TPD Liquid Argon-7 TPD	Occupier: Milan sadhukhan Mobile: - 9007014710
62	M/s Meridian Chem-Bond Private Limited Plot No. 3209, GIDC Estate, Ankleshwar – 393002, Dist. Bharuch, Gujarat	Chlorine – 55 MT Acetic Acid – 200 MT HCl- 300 MT	Occupier: Mr. S.K Nair Office 02646-225131 Mobile- 932746740
63	M/S Shiva Pharmachem Limited Dahej	Chlorine - 23.4 Hexane - 22 Hydrogen cylinder - 32 Methanol - 22 Propylene - 39.8 Sulphur Dioxide - 23.4 Sulphuric Acid - 10 Thionyl Chloride - 96 Toluene - 22	Occupier: Mr. Jagmohan Jalani Phone: 9825040747
64	M/s Styrenix Performance Materials Limited, 4-G.I.D.C Dahej, Tal: Vagra Dist: Bharuch	Styrene – 5562 KL Ethyle Benzene- 50 M3	Occupier: Mr. Ravishankar Mobile: 9825033214
65	M/s Styrenix Performance Materils Limited, 4-G.I.D.C Dahej, Tal: Vagra Dist: Bharuch	Styrene – 5562 KL Ethyle Benzene- 50 M3	Occupier: Mr. Ravishankar Mobile : 9825033214
66	M/s TML Industries Limited At & post-Piludra-391810, Tal-Jambusar, Dist-Bharuch	Sulphur Dioxide- 45 Tonners	Occupier: Mr. Avtar Singh Office: 9558819257Mobile: 98726 00005

67	M/s. Aarti Industries Limited Plot No: 758/1, 2 & 3, Survey No. 359, 360, 364, 358, 357, 356, 345, 348 GIDC Jhagadia, Dist-Bharuch, Gujarat - 393110	Methanol- 154.84 MT Toluene - 337.12 MT Benzene- 511.56 MT	Occupier: Mr. Ajaykumar Gupta Phone: 9998953992
68	M/S. Amal Speciality Chemicals Limited. Plot No. 136/137, GIDC Estate, Ankleshwar, Dist.: Bharuch, Gujarat, Pin: 393002	Sulfur trioxide: 90 MT	Occupier: Mr. Rajeev Kumar Mobile: +91 9833960369
69	M/S. Aries Colorchem Pvt Ltd Plot No: DP-56 & DP-57, Saykha GIDC, Saykha Tehsil: Vagra, Dist: Bharuch Gujarat, 392 140	Ethylene Oxide-20 KL Methanol-25KL Oleum 65%-90KL	Occupier: Mr. Arish K Patel Residence: Ahmedabad, GujaratMobile: 9909993191
70	M/S. Cohizon Life Sciences Limited (Unit – 2) Plot No. 5809 - 5810, GIDC Estate, Ankleshwar, Gujarat - 393002	Hydrogen Fluoride in Tonner (Anhydrous)(Qty. 66.6,) Chlorine Gas in Tonner (Qty. 75.6)	Occupier: Mr. CB Bhardwaj Office: 6357684904 (Ext. no. 102) Residence: 6357684904 Mobile: , 6357684904
71	M/s. Deepak Fertilisers and Petrochemical Corporation Limited Address: Plot No. D/II/7/A, Dahej GIDC Area, Village Rahiyad, Taluka Vagra, District Bharuch – 392130 (Gujarat).	Liquid Ammonia – 600 MT	Occupier: Madhumilan Parshuram ShindeMobile: 9920092035
72	M/S. Dhanveen Pigments Pvt. Ltd Plot No.: 3105/06/07, GIDC Estate, Phase III, Panoli, Dist. – Bharuch, Gujarat, India.	Chlorine Tonner	Occupier: Mr. Bhupatbhai Ramolia Mobile: 99252 31700

73	M/s. Ganesh LPG Bottling Plant At & Post Plot No.19, Gidc Panoli, Gidc, Akleshwar, Bharuch, Gujarat-394116.	LPG Gas	Occupier: Jagmalbhai Maradiya Mobile. 98258 02092
74	M/s. Grasim Industries Limited, Cellulose Division Plot No. 1, GIDC Industrial Estate, Vil. Vilayat, Tal. Vagra, Dist. Bharuch, Gujarat	Carbon Disulphide- 3400 MT	Manager:Mr. R Ramkumar Mobile:99989 87086
75	M/S. Hemani Industries Limited. Unit 2 Plot No. 3207/A & B, 3208/1&2, 3202/A/1, GIDC Industrial Estate, Ankleshwar - 393002, Gujarat	Bromine: 70 MT Hexane: 25 MT	Occupier: Mr. Ramachandrudu Phone: 9687021707 Mobile: 9687021707
76	M/S. Hemani Industries Limited. Plot No: CH/5, GIDC Industrial estate Dahej Tehsil: Vagra, Dist.: Bharuch Gujarat, 392130	Bromine: 90 MT Chlorine: 50 MT.	Occupier: Mr. Ramachandrudu Phone: 9687021707
77	M/s. Indofil Industries Limited (Unit-1) Plot No. Z-8, SEZ-1, GIDC, Dahej, Tal. – Vagra, Dist: Bharuch, Gujarat - 392130, India.	1. Carbon Di- Sulphide-100 MT	Occupier:Mr. Ramakrishnan SRG Phone: +91 8657031592
78	M/s. Kanoria Chemicals & Industries Ltd. Plot No. 3407, GIDC Industrial Estate Ankleshwar, Dist. Bharuch, Gujarat – 393001	Formaldehyde 1600 kl	Occupier:R.V.Kanoria Mobile :9904097239

79	M/S. Neogen Chemicals Limited. Plot No: Z-109, Special Economic Zone (Part-II), Dahej, Tehsil: Vagra, Dist: Bharuch Gujarat, 392 130	Bromine: 79.2 Tons Anhydrous Hydrogen Fluoride: 18 Tons	Occupier: Mr. T C N Sai Krishnan Mobile: +91 9870034900
80	M/S. Payal Polyplast Pvt. Ltd Plot No. 2, Dahej 2, Bharuch - Dahej Rd, Gujarat 392130	Chlorine: 69 Tonners Per Tonners 900Kgs	Occupier: Mr. Surendra Singh Negi Phone: --- 9825095432
81	M/s. PI Industries Ltd 237, GIDC Estate Panoli 394 116 Dist. Bharuch, Gujarat	Chlorine- 10.8 MT Formaldehyde- 20 MT Bromine- 42.76 MT Ethion-205 KL	Factory Manager: Mr.Ram Murti Rai Office:02646618278 Residence :922756233 Mobile : 922756233
82	M/S.Piramal Pharma Limited Plot No. D-2/11/A1, GIDCIndustrial Estate,Phase-II,Vil:Dahej, Ta:Vagra 392130,Bharuch,Gujrat,India	Anhydrous Hydrogen Fluoride 40 M	Occupier: Vivek Valsaraj Office: 02641679866
83	Meghmani Organic Ltd Plot No.-5001/B,GIDC,Ankleshwar	Acrlonitrile- 52 KL	Factory Manager- Mr. M.A. Haniya (M) 9979882207
84	Merchem Limited 24,24/1,GIDC Panoli, Tal-Ankleshwar,Dist- Bharuch	Cs2- 120 KL	
85	Meridian Chem Bond Private Limited Plot No-5906/04 GIDC Ankleshwar	Chlorine-300 MT Mono Chloro Acetic Acid -1000 MT	Occupier:Mr.S.K.Nair Phone: (02646)22513) Mobile: 9586110808

86	Minol Acids And Chemicals Pvt. Ltd. Plot No. 5904/1, Nr. Kanoria Chemicals, G.I.D.C., Ankleshwar.	Oleum 65% - 15kl	Occupier: Mr. Sanjay P. Shah Mobile 9825028238
87	Mohan Polyfab Pvt. Ltd. Plot No.6510, GIDC Ankleshwar,Bharuch	Chlorine -10 T	Factory Manager-Mr.Sandip Agrawal (M) 9662035661
88	National Thermal Power Corporation Ltd. Village : JhanorBharuch	Chlorine - 10 T100 T	Factory Manager- Mr.Manoranjan Sarangi (M) 9437107884
89	Navjeevan-O-Chem 5903/1, GIDC Estate ankleshwar, Bharuch-393 002	Chlorine - 20 T	Factory Manager- Mr.Kirit Patel (M) 9825039426
90	New India Acid (Baroda) Pvt. Ltd.	Hydrochloric Acid : 3744 Mt/Year Dilute Sulphuric Acid : 800 Mt/Year Mother Lique of MCA : 650 Mt/Year	Occupier: Mr. Anjesh R. Patel Residence : Vadodara Mobile : 9327917533 Factory Manager: Mr. Sukhdevsinh Gohil Residence : Vav, Dahej Mobile : 9374865339
91	Omkar Chemical Industries Pvt Ltd Plot No.406, GIDC.Estate, Panoli-394116, Ankleshwar,Dist. Bharuch.	Ethylene Oxide-30kl Propylene Oxide-27kl	Occupier:Mr. Bhima shanker Patil Residence - Green Ambe Ankleshwar GIDC Mobile: +91 9898078763

92	ONGC Petro additions Limited Plot #Z-1 & Z-83 C/o, Dahej SEZ Ltd., P.O Dahej, Taluka Vagra, District Bharuch, Gujarat – 392130, India	Ethylene, Propylene, Butadiene, Butene-1, , Benzene, fuel Gas, C9+ fraction, C6+, Pyrolysis Gasoline	Occupier: Shri Gurinder Singh Office: (02641)667001 Mobile: 6357167333
93	Organic Industries Pvt. Ltd S/163. GIDC, Dahej, Vagra, Bharuch	Chlorine – 16000 MT per Month	Occupier: Anand Monappa Shetty Phone: 6358025670
94	Panoli Products Pvt. Ltd.	Chlorine = 60 Tanners HCL = 200 Mt (Storage Capacity)	Occupier: Mr. Amit Sharma Mobile : 72111-62221
95	Panoli Intermediates (India) Pvt Ltd, Plot No 778/1 & 756/1, GIDC Jhagadia, Dist- Bharuch	Chlorine-225 Mt Hydrochloric Acid-350 Mt Dichloro Nitro Benzene-600 Mt Benzene-450 Mt	Occupier: Surendra Kumar Goyal Phone: 9377226697 Mobile: 937226697
96	Panorama Aromatics Ltd. Plot No. 2908- 2911, Phase-II, GIDC Panoli-394116, Tal.- Ankleshwar, Dist.-Bharuch	Liq. Chlorine 19.800 Mt	Occupier: Patel Mukesh Kumar Atmaram Office : GIDC Panoli Residence : Ankleshwar Mobile :- 9825033576
97	Payal Petrochem Pvt Ltd Plot No.D-2/Ch- li, Dahej GIDC , Tal-Vagra, Dist-Bharuch	Chlorine- 600 MT	Factory Manager-Mr.Damodar Patil (M) 7574851684

98	Petronet LNG Limited. Dahej Terminal	Liquefied Natural Gas (LNG)/ Natural Gas Handling with LNG storage tank capacity of 12,72,000 m3 in 8 Nos. of LNG full containment storage tanks and Terminal Regasification name plate capacity is 22.5 MMTPA, including regasification expansion project.	Occupier: Mr. Pramod Narang (Director- Technical) Phone: Office: 011-71233508
99	PI Industries Ltd. Plot No: SPM 28, Sterling SEZ, At – Sarod, Ta – Jambusar, Dist. – Bharuch	Bromine – 81.12 MT Chlorine - 19.8 MT Formaldehyde - 56 MT Isobutylene – 10.336 MT Monomethyl Amine (MMA) – 8.1 MT Methyl Chloride (MeCl) – 12 MT	Occupier: Mr. Rajnish Sarna Phone: 91-124 -6790000 Office : 0124-5081244
100	PI Industries Ltd. SPM 29/2, Sterling SEZ, At – Sarod, Ta – Jambusar, Dist. – Bharuch	Isobutylene: -23.16 MT Chlorine: - 30.6 MT Liquified Natural Gas (LNG): - 97.47 MT.	Occupier: Mr. Rajnish Sarna Phone: 124 – 6790000 Office: 0124-5081244
101	Privi Speciality Chemicals Limited, Plot No. 765, Road No.2, GIDC Jhagadia – 393 110 Dist. Bharuch	CS2133	Occupier: Mr. D B Rao Office: 9979888841 Mobile: 9979888841

102	Reliance Industries Ltd. Dahej Manufacturing Division Dahej, Bharuch	Naphtha – 56147 – Fire/Explosion Ethane – 165000 – Fire/Explosion Ethylene Oxide – 252.8 – Toxic/Fire/Explosion Propylene – 6705 – Fire/Explosion Chlorine – 282 – Toxic/Fire/Explosion VCM – 6000 – Toxic/Fire/Explosion EDC – 6800 – Toxic/Fire/Explosion Ethylene – 23192 – Fire/Explosion Propane – 1596 – Fire/Explosion Para Xylene – 10800 – Fire/Explosion	Occupier: Mr. Hital R. Meswani
103	Sanghvi Organics P. Ltd Plot no. 3516, phase III, GIDC, Panoli (Gujarat)	Benzyl chloride -600ton/month Raw material Toluene- 340MT Chlorine – 70 Tonners	Occupier: Jigenesh A Shah Office: 9724079044
104	Savla Chemicals Ltd. Plot No: 26-A, GIDC, Industrial Estate, Panoli-394116, Ankleshwar, Dist- Bharuch, Gujarat.	1) Methyl Tert- Butyl Ether: 1500 m3 (02 tanks) 2) Isobutylene: 175 m3 (02 tanks) 3) Methanol : 50 m3 (01 tank) (By Product) 4) High Purity Methyl Tert- Butyl Ether: (50 m3 -02 tanks and 20 m3-01 tank)	Occupier: Mr. Narendra C Trivedi Mobile 9323878999
105	Shivam Incorporation Plot No 521, L-1801, L-1802 & 665, GIDC Estate, Panoli, Dist.: Bharuch, Taluka: Ankleshwar, Gujarat-394116	Chlorine (Cl ₂) – 40 MT (Stored in Tonners under PESO Licensed Facility)	Occupier: Gabani Rameshbhai Devjibhai Mobile: 93775 22525
106	Shree Sulphuric Ltd. 2801, GIDC, Ankleshwar Dist. Bharuch	Oleum (Sulphur Trioxide) – 172MT	Occupier: Mr. A K Gandhi (M) 9374672334

107	Shri Ganesh Khand Udhyog Sahkari Mandali Ltd. Vataria, Valia	Industrial Alcohol - 1193 KL Ethanol - 1190 KL	Factory Manager-Mr.Raju bhai (M) 9408703081
108	Shri Khedut Sahakari Khand Udiyog Mandli Ltd At-Pandvai, Tal- Hansot, Dist-Bharuch	Industrial Alcohol – 1193 KL Ethanol- 1190 KL	Factory Manager-Mr.Iswarbhai Patel
109	Shyam Chemicals Pvt.ltd 6004, GIDC Ankleshwar	Chlorine 20MT	Occupier: Mr. Vishal somani Phone: 9820047767
110	Siddhi Samrat Dye-Chem Pvt. Ltd. Pl.No.6450, GIDC Estate, Ankleshwar	Ethylene Oxide- 8 T	Occupier: Mr.Nilesh Bhai (M) 9824106450
111	Solvay Specialities India Pvt Ltd, Panoli Plot No: 3526-27, G.I.D.C., Panoli, District: Bharuch, Gujarat (394116	Sulphur Trioxide (SO ₃) 36.3 MT (Storage: 29.4MT In process: 6.9MT)	Occupier:Mr. Amlanabha Das Phone: +91 22 6663 7104

112	SRF Limited D-2/1, GIDC Phase II , PCPIR, Dahej , District Bharuch, Gujarat - 392 130.	Chlorine - 700 MT(in Bullet) & 291 MT(in Tonnes) Anhydrous Hydrofluoric Acid (AHF)- 2218 KL (Bullet) & 6.24 KL (in Tonnes) Anhydrous Hydrochloric Acid (AHCl)- 6 MT Ethylene dichloride- 407.15 KL Bromine- 96 MT (48 MT x 2 tanks) Carbon disulphide HSD - 140 KL Methanol - 62 KL (31 KL x 02 tanks) Ethanol - 33 KL Acetone - 50 KL Toluene - 70 KL Hexane - 35 KL Heptane - 70 KL (35 KL x 02 tanks) Xylene - 70 KL (35 KL x 02 tanks) Methanol -1184 KL (740 KL x 02 tanks) Methyl Chloride – 63.6 MT (01 tank) R32 – 225 MT (02 tanks – 84 MT & 141 MT) R600a – 29.5 MT R142b – 376 MT (04 tanks x 94MT)	Occupier: Pramod Gopaldas Gujarathi Mobile 9825143794
113	Sterling Auxiliaries Pvt.Ltd,Dahej,Taluka – Vagra,Dist-Bharuch	Ethylene Oxide Cap - 30 Mt Propylene Oxide Cap - 18 Mt Acrylonitrile Cap - 15 Mt Methyl Methacrylate Cap - 35 Mt Mma Anhydrous / Monomethylamine 100% Cap - 60 Mt Styrene Monomer Cap - 28 Mt Phosphorous Trichloride (Pcl3) Cap - 1 Mt Formaldehyde Cap - 25 Mt Methyl Di Ethanol Amine – 340 Mt Phenoxy Ethanol – 150 Mt Cppd – 12 Mt	Occupier: Nikhil Agrawal Mobile 9909287465 Factory Manager: Amit Kumar Mobile 7211109772

114	Styrolupion India Pvt. Ltd. Dahej,Vaghra Taluka Bharuch	Styrene Monomer - 2000 MT	Occupier: Mr.Kavishwar Kalambe(M)7226008457
115	Sudarshan Gujarat MFG Private Limited, Unit-1, Plot No. 9002-9010, Phase VI, GIDC Estate, Ankleshwar – 393002, Gujarat, India	Tonner & 117Nos MSGL Tank & 22KL MS Tank & 70KL	Occupier:Mr. D K Rana (O) 02646 – 222083 /153 (R)9879533460
116	Sudashan Colour Ltd.Plot No.9003 To 9010, GIDC Indl. Estate Ph.Vi,Ankleshwar	Chlorine -105.30 MT	Factory Manager- Mr.Hetal Bakre (M) 9879533475
117	Sukha chemicals Industries Unit -II 2925,Village/Town - Panoli, City- Ankleshwar,District-Bharuch,State - Gujarat-394116	Liquid Chlorine tonner 55 nos	Occupier: Dharmesh Dobaria Office : 9924275444 Mobile: 9924275444
118	Sun Chloride Pvt. Ltd. 603, GIDC,Panoli Bharuch	Chlorine- 20 T	Occupier: Mr.Lav Patel (M) 9825466444
119	Tagros Chemicals India Pvt. Ltd. Plot no.43/1, Amod Road, GIDC Dahej-1,Tal: Vagra, Dist: Bharuch-392130	Chlorine – 64 Tonner- 57.6 MT	Occupier: Mr. Sunish K Nair Phone: 7043999575Mobile 9377687000
120	Thermax Limited 903/1, GIDC Jhagadiya	Formaldehyde25 MT	Occupier: Mr. Bhavesh Patel (M) 9377818889
121	Unitop Chemicals Pvt Ltd. D2/CH-342,343, GIDC Phase II, Vill. Jolwa, Dahej, Bharuch	Ethylene Oxide - 38 KL Petroleum Class A in bulk- 30 KL Petroleum Class B in bulk - 75 KL	Occupier: Mr. Prasad Gadkari Phone: 9979874629
122	Vardhman Acrylics Ltd. 755 GIDC Mega Estate Jhaghadia, Dist. Bharuch	Acrylonitrile- 2160 T	Occupier: Mr.Jignesh Parmar (M)8128652905

123	Superform Chemistries Limited. Plot No.746/750, GIDC, Jhagadia, Dist- Bharuch, 393110, Gujarat, Inida	Chlorine –400MT Carbon disulphide --2300 MT Acrylonitrile – 30 MT Hydrogen -2122 Acrolein – 60 MT Chloroacetal Chloride200 MT Methyl Chloride –175 MT Phosphorous – 3200MT Phosphorous Oxychloride – 100MT Phosphorous Trichloride – 300 MT Sodium Cyanide –276 MT Sulphuric Acid – 100 MT Hydrochloric Acid –150 MT NaOH – 400 MT	Occupier:Mr. Raj Kumar Tiwari Phone: 022-26049109
124	Videocon Industries Ltd Village Chavaj Dist. Bharuch 392 002	LPG- 280 T	
125	Viswaat Chemicals Limited, D-3/10, Dahej Phase III, GIDC, Dahej, Taluka – Vagra, Dist. – Bharuch, Gujarat – 392130	Ethylene Oxide (19 MT * 2 Tanks)	Occupier: Mr. Vinesh Shetty Phone: 022 – 6909 5430 Office : 022 – 6909 5430 Mobile: 98210040081
126	Wanksons Chemical Industries Pvt. Ltd. Plot No. 518, GIDC Panoli Tal. Ankleshwar, Bharuch	Chlorine - 50 T	Factory Manager- Mr.I H Parmar (M) 7878844736
127	Yashashvi Rasayan Pvt.Ltd Plot No. Z/96/E, SEZ-II, Dahej Industrial Estate, Village Luvara, Taluka Vagra, District Bharuch, Gujarat, 392130	SO2-47 Nos Tonners	Occupier: Harsh Patel Phone: 9825142515 Mobile: 9825142515

Annexure :- S

industrial and chemicals disaster Trained personnel at Taluka level & chemicals experts / technicians

Sr.	Expert Name	Expertise Details, Qualification, Designation	Address	Phone Number (O,R,M)	Remarks
1	2	3	4	5	6
1.	Mr. Pritesh Patel	Fire prevention, Dpmc head	Fire Station, Notified Area, Gidc, Ankleshwar	(O) (02646) 220229 9925979798	
2.	Mr. P S keeshwani	Chemical accident	GNFC Ltd Bharuch	9428722726	
3.	Mr.Somnath Sarkar	Chemical accident	Opal Ltd Dahej	9099007516	
4.	Mr.Jignesh Patel	Chemical accident	Relience Industries Dahej	9998001088	
5.	Mr.M B Patel	Chemical accident	Dahej Industries Association, Dahej	9909029646	
6.	Dr.Mahesh Vashi	Chemical accident	ColorTax Industries Vilayat	9898014675	
7.	Mr.Dharmesh Soni	Chemical accident	P I Idustries Jambusar	9998212979	
8.	Mr.Jarvik Munshi	Chemical accident	UPL Ltd Jhagadiya	9825280799	

Annexure :-T**List of Doctors in MAH Industries**

S.no	Factory name	Address	Medical Offi.	Qualification	Phone no
1	2	3	4	5	6
1	Aarti Industries Limited	Plot no. Z/103/C, SEZ-II, Dahej, Tal-Vagra, Dist-Bharuch, Gujrat, 392130	Dr.Vinay dhar Muralee dharan	MBBS & AFIH	998953992
2	Alkyl Amines Chemical limited	PLOT NO: D2/CH/149/2,GIDC Dahej-2,TA:Vagra,Dist:Bharuch, Gujarat – 392130	Dr.Krunal Khunt 8320673396	MBBS, CIH	2641350706
3	Anshika polysurf ltd	Plot no : C-383/1, Argama industrial estate, Saykha GIDC, Ta: Vagra, Dist : Bharuch	chetan morthana 9725685683	MBBS, AFIH	9725685683
4	Anugrah Industries Private Limited	Plot No. D3-26/1&2, GIDC Dahej – 392130, Tal. Vagra, Dist. Bharuch	Dr. Harnish Patel 9313599721	MBBS CIH	6352432642
5	Apcotex Industires Ltd	Dungari Bharuch-393135	Dr Chetan Morthana	MBBS , CIH	9924715326
6	Atul Ltd (Aromatics Business)	297, GIDC ANKLESHWAR BHARUCH	Mr Vilash Patel	M, F	9909995931
7	Bharat Rasayan Limited	42/4,GIDC Dahej-Amod Road,Dahej-392130	Dr.Harnish Patel	MBBS	02642696684 7046500020
8	Birla Cellulosic (A Unit of Grasim Industries Ltd)	Birladham, Village – Kharach, Near Kosamba, Tal – Hansot, District – Bharuch.	Dr.Amit Shah 9824150384	MBBS	02646678801/ 02/03/52/99
9	Bodal Chemicals Limited	Plot No. 301 to 430+433 to 440/1, Juned Bhersam Estate, GIDC, Saykha TA: Vagra, Bharuch, Gujarat - 392140	Dr Aartik 8929595334	MBBS CIH	9909950813

Annexure

S.no	Factory name	Address	Medical Officer	Qualification	Phone no
10	Borosil Renewables Limited	Ankleshwar–Rajpipla Road, Village – Govali, Bharuch, Gujarat	Dr. Hemant Chauhan 9879798414	MBBS, CIH	9925236834
11	Century ENKA Ltd.(Unit: Rajashree Polyfil)	Rajashree Nagar, Post: Umalla, Tal: Jhagadia, Dist:Bharuch – 393120	Dr. Akash Prajapati	MBBS & CIH	2645208644
12	Chemieorganic Chemicals (I) Pvt. Ltd.	Plot No. 758 G.I.D.C. – Jhagadia.Tal.: Jhagadia, Dist. Bharuch, Gujarat-393110	Dr.Tejash mehta 9924108257	MBBS	9898062206
13	Cheminova India Ltd.	27,28 GIDC Phase IvBharuch, Panoli-394116	Dr. Komal Patel 8866775601	MBBS, CIH	8980040821
14	Clp India Pvt Ltd	Paguthan Bharuch-392015	Dr.Tushar Patel 9825064857	MBBS DGO CIH	7016169468
15	Clp India Pvt Ltd	Vill: Naphtha Storage Terminal Post-Haldar	Dr.Tushar Patel 9825064857	MBBS DGO CIH	7016169468
16	Cohizon Life Sciences Limited,	Plot No 6102-03, 6117-19,GIDC Ankleshwar – 393002 Gujarat - India			6357684904
17	Coromandel International ltd	Ficom Chowkadi, Ankleshwar	Chirag Gowaliwala	MBBS	989800149
18	Covestro (India) Pvt. Ltd.	3501-15, 6301-13 & 16 mtr road/B2, GIDC Industrial Estate, Ankleshwar – 393002	Dr. Mahesh M Mistry 9825282789	MBBS, CIH	02646 35211
19	DCM Shriram Ltd (Unit: Shriram Alkali &Chemicals)	Plot no. 749, GIDC, Industrial estare, Jhagadia, Bharuch, Gujarat	Dr. Kalpesh Vasava, Contact no, 8488935631	MBBS	9426811536 / 9558824857
20	Deepak Chem Tech Limited	Plot No. D-II/ 6/1 & D-II/6/1 ^a , Dahej- II Industrial Estate, Dahej, Village : Rahiyad, Tal: Vagra, Dtist: Bharuch – 392130, Gujarat, India	Dr. Santosh	MBBS, CIH	6354784607

Annexures U3**Other Emergency Resources – Antidote Suppliers**

Sr.	Toxic Chemicals Handled in District (esp. In mah units)	Antidotes Required	Antidote Supplier* Name with Address And Phone:- Numbers, Contact persons	Quantity of antidotes Available	Remarks
1	Chlorine	Oxygen	Bhupat bhai Shriji entreprize, (02646) - 25207(M) 98250 40093 Heubach colour	3oxygen cylinders	
2	Chlorine		Mr. Sanjaybhai, Vijay medico 01/riddhi siddhiarcadeNew colony,Gidc nkleshwer, (o) 250634		
3	Cs2	Oxygen & symptomatic treatment	Aims industries ltd. G-5, paris plaza, M. G. Road no.#9, Udhna - udhyognagar, udhna, surat.		
4	Aniline & nitrobenzene	Methylene blue Inj usp 10 ml	▪ Vulcan laboratories p ltd, p-36, kasba ind estate, phase - iii, kolkata-700107 ▪ Troika pharmasuiticals ltd, Om tower, settelite road, Ahmedabad. Ph 079 26856242/43/44/45 ▪ Walker's pharma pvt. Ltd, Gate no.285- b, kasar amboli, Tal. Mulshi dist. Pune. Pin- 411004 ▪ Sajjan india limited ▪ Gnfc ltd ▪ Omnova solutions india private limited ▪ Industrial solvents & chemicals pvt.ltd. Ankleshwar.	▪ 4 ampules ▪ 103 ampules ▪ 1 ampules ▪ 40 impulse	

Annexure

Sr.	Toxic Chemicals Handled in District (esp. In mah units)	Antidotes Required	Antidote Supplier* Name with Address And Phone:- Numbers, Contact persons	Quantity of antidotes Available	Remarks
5	Acid , oleum	Milk of magnesia	▪ Vijay medico, nr. Manav mandir, ankleshwar. ▪ Deys medical stores manufacturing ltd., 62-bindel road, culcutta, 700019. ▪ At main gate of shree sulphurics pvt.limited ▪ Industrial solvents & chemicals pvt.ltd. Ankleshwar.	▪ 250 ml x 3 ▪ 340ml x 1	
6	Chlorine	Injection atropine, injection pam	Mr. Anil joshi (m) 94282 68024 (r) 02646 - 210227	Inj. Atropine -40 vials, Inj. Pam - 20	
7	Acid exposure	Universal charcoal	West-coast pharma work ltd	500 tabltes	
8	Snake bite	Antisnake venom	Gnfc ltd	- 10 nos.	
9	Chlorine Ammonia	▪ Atropine amp. ▪ Adrenaline ▪ Pam inj. ▪ Anti snack vial. ▪ Xylocain ▪ R c crom vial ▪ Avil vial ▪ T.t vial ▪ Phenargen ▪ Deriphyline.	▪ Mr. Sanjaybhai M/s. Vijay medical stores, Ankleshwar. (o) 02646 - 250634 (m) 98983 94090 - Shriram alkali & chemicals Plot no. 749, gidc , Jhagadia industrial estate, jhagadia, Dist. Bharuch. Phone no. 02645-226021-23	▪ 10 nos. ▪ 2 nos ampul ▪ 1 no. ▪ 1 nos. ▪ 1 nos. ▪ 1 nos. ▪ 5 nos. ▪ 11 nos. ▪ 5 nos. Ampul ▪ 10 nos ampul	

Annexure: - V

List of Evacuation Information – Sheltering

No	Name Of Taluka	Name Of Village	List of Evacuation Information Sheltering		
			Evacuation area location	Capacity of peoples	Details of Contact Persons
1	BHARUCH	Palej	Primary Boys School	250	9825345760
2	BHARUCH	Bholav	Prathmic Shala Bholav	120	9928111533
3	BHARUCH	Parkhet	Misra Shala Parkhet	400	9624337957
4	BHARUCH	Kanthariya	Kumar Shala Kanthariya	600	9998572230
5	BHARUCH	Nandelav	Ambedkar Bhavan Nandelav	200	9824939769
6	BHARUCH	Rahadpor	Primery School Rahadpor	300	9824390055
7	BHARUCH	Jhadeshwar	Prathmik Kumar Shala	500	7984734403
8	BHARUCH	Tavra	Pm Shri Prathmik Shala	500	9429126553
9	BHARUCH	Manubar	High School	500	9924260560
10	BHARUCH	Shahpura	Primary School	250	8200994303
11	BHARUCH	Kelod	Primary School	500	9429188628
12	BHARUCH	Tankariya	Primary School	500	9909451452
13	BHARUCH	Mangleshwar	Primary School	500	7201957173
14	BHARUCH	Jhanor	Primary School	500	8128696211
15	BHARUCH	Hinglot	Primary School	500	9428326267
16	BHARUCH	Samlod	Primary School	500	9974318606
17	BHARUCH	Bambusar	Primary School	400	9725074857
18	BHARUCH	Angareshwar	Primary School	100	8238075245
19	BHARUCH	Sindhot	Primary School	500	9638932535
20	BHARUCH	Kavitha	Primary School	500	9978768426
21	BHARUCH	Varediya	Primary School	500	9898285543
22	BHARUCH	Uprali	Primary School	500	9429036291
23	BHARUCH	Pipaliya	Primary School	500	9909502892
24	BHARUCH	Jhanghar	Highschool	250	9824732923
25	BHARUCH	KARELA	Praimary School	200	9737837335
26	BHARUCH	OSARA	Praimary School	200	9898042061

27	BHARUCH	VADADALA	Praimary School	200	9023196017
28	BHARUCH	Paguthan	Praimary School	250	7016158477
29	BHARUCH	Eksal	Primary School	200	9427117640
30	BHARUCH	Manad	Primary School	150	9316315570
31	BHARUCH	Kesrol	Primary School	200	9428722964
32	BHARUCH	Navetha	Primary School	300	78745 09351
33	BHARUCH	Umraj	Primary School	300	9998793528
34	BHARUCH	Sherpura	Primary School	600	7405143320
35	BHARUCH	Dayadara	Primary School	500	9104023843
36	BHARUCH	Derol	Primary School	250	9824062821
37	BHARUCH	Haladar	Primary School	250	8320720970
38	BHARUCH	Haladarva	Primary School	300	7211132226
39	BHARUCH	Segva	Primary School	200	9825395166
40	BHARUCH	Sitpon	Praimari School	500	9974615732
41	BHARUCH	Karmad	Primary School	300	9428321395
42	BHARUCH	Kargat	Primary School	200	9687274493
43	BHARUCH	Bhadbhut	Primary School	500	7698323083
44	BHARUCH	Dabhali	Primari School	500	99980025050
45	BHARUCH	Karjan	Primary School	350	8980042800
46	BHARUCH	Padriya	Praimarishcool	200	7228978899
47	BHARUCH	Adol	Primary School	300	7448227721
48	BHARUCH	Ghodi	Primary School	300	8849810522
49	BHARUCH	Kahan	Primary School	200	9904754782
50	BHARUCH	Aamdada	Primery School	200	9825800141
51	BHARUCH	Tralsa	Primary School	200	9104452305
52	BHARUCH	Kothi	Primary School	200	8866982605
53	BHARUCH	Vahalu	Primary School	350	9924374319
54	BHARUCH	Luwara	Primary School	250	9978921207
55	BHARUCH	Sarnar	Primary School	250	9723785437
56	BHARUCH	Kamboli	Primary School	270	9512308420
57	BHARUCH	Bharthana	Primary School	200	9426843202
58	BHARUCH	Dashan/Vervada	Primary School	200	9624414649
59	BHARUCH	Vagusana	Primary School	250	8320814341
60	BHARUCH	Kurla	Primary School	500	9624071212
61	BHARUCH	Shuklatirth	Primary School	300	9428815767
62	BHARUCH	Simaliya	Primary School	150	8140185262
63	BHARUCH	Nikora	Primary School	150	9723127138
64	BHARUCH	Umara/Asuriya	Primary School	200	9426699513
65	BHARUCH	Mahudhala	Primary School	200	8849637866
66	BHARUCH	Tralsi	Primary School	150	9904010176

67	BHARUCH	Karmali	Primary School	200	8758383872
68	BHARUCH	Bhuva	Primary School	200	8128986042
69	BHARUCH	Manch	Madresa	300	9904140863
70	BHARUCH	Pariej	primary school	300	8511940689
71	BHARUCH	Kishnad	Primary School	150	..
72	BHARUCH	Thikaria	Primary School	150	..
73	ANKLESHWAR	Adadara	Primary School Adadara	200	..
74	ANKLESHWAR	Adol	Primary School Adol	300	..
75	ANKLESHWAR	Alunj	Primary School Alunj	250	..
76	ANKLESHWAR	Amboli	Primary School Amboli	300	..
77	ANKLESHWAR	Amratpura	Primary School Amratpura	200	..
78	ANKLESHWAR	Avadar	Primary School Avadar	200	..
79	ANKLESHWAR	Bakrol	Primary School Bakrol	150	..
80	ANKLESHWAR	Bhadi	Primary School Bhadi	200	..
81	ANKLESHWAR	Bharan	Primary School Bharan	200	..
82	ANKLESHWAR	Boidra	Primary School Boidra	300	..
83	ANKLESHWAR	Borbhatha	Primary School Borbhatha	200	..
84	ANKLESHWAR	Borbhatha Bet	Primary School Borbhatha Bet	200	..
85	ANKLESHWAR	Chhapra	Primary School Chhapra	100	..
86	ANKLESHWAR	Dadhal	Primary School Dadhal	200	..
87	ANKLESHWAR	Dhanturiya	Primary School Dhanturiya	300	..
88	ANKLESHWAR	Diva	Primary School Diva	300	..
89	ANKLESHWAR	Divi	Primary School Divi	200	..
90	ANKLESHWAR	Hajat	Primary School Hajat	200	..
91	ANKLESHWAR	Haripura	Primary School Haripura	250	..
92	ANKLESHWAR	Jitali	Primary School Jitali	300	..
93	ANKLESHWAR	Kansiya	Primary School Kansiya	300	..
94	ANKLESHWAR	Kanwa	Primary School Kanwa	100	..
95	ANKLESHWAR	Kapodra	Primary School Kapodra	200	..
96	ANKLESHWAR	Kararvel	Primary School Kararvel	200	..
97	ANKLESHWAR	Karmali	Primary School Karmali	200	..
98	ANKLESHWAR	Kharod	Primary School Kharod	350	..
99	ANKLESHWAR	Kosamdi	Primary School Kosamdi	300	..
100	ANKLESHWAR	Mandvabhujarg	Primary School	300	..
101	ANKLESHWAR	MATIED	Primary School Matied	200	..
102	ANKLESHWAR	MOTALI	Primary School Motali	100	..
103	ANKLESHWAR	MOTVAN	Primary School Motvan	150	..
104	ANKLESHWAR	NANGAL	Primary School Nangal	200	..
105	ANKLESHWAR	NAUGAMA	Primary School	200	..

106	ANKLESHWAR	PANOLI	Primary School Panoli	300	..
107	ANKLESHWAR	PARDIINDRIS	Primary School	150	..
108	ANKLESHWAR	Sajod	Primary School Sajod	300	..
109	ANKLESHWAR	Sakkarapor	Primary School	300	..
110	ANKLESHWAR	Samor	Primary School Samor	300	..
111	ANKLESHWAR	Sengpur	Primary School Sengpur	200	..
112	ANKLESHWAR	Sarfuddin	Primary School	100	..
113	ANKLESHWAR	Sarthan	Primary School Sarthan	200	..
114	ANKLESHWAR	Sisodra	Primary School Sisodra	200	..
115	ANKLESHWAR	Survadi	Primary School Survadi	300	..
116	ANKLESHWAR	Taria	Primary School Taria	300	..
117	ANKLESHWAR	Telva	Primary School Telva	100	..
118	ANKLESHWAR	Uchhali	Primary School Uchhali	100	..
119	ANKLESHWAR	Umarvada	Primary School	300	..
120	ANKLESHWAR	Untiyadra	Primary School	100	..
121	ANKLESHWAR	Pardimokha	Primary School	100	..
122	ANKLESHWAR	Piprod	Primary School Piprod	200	..
123	ANKLESHWAR	Piludra	Primary School Piludra	200	..
124	ANKLESHWAR	Piraman	Primary School Piraman	300	..
125	ANKLESHWAR	Pungam	Primary School Pungam	200	..
126	ANKLESHWAR	Ravidra	Primary School Ravidra	200	..
127	ANKLESHWAR	Sarangpur	Primary School	200	..
128	ANKLESHWAR	Andada	Primary School Andada	300	..
129	ANKLESHWAR	Bhadkodra	Primary School	300	..
130	ANKLESHWAR	Gadkhol	Primary School Gadkhol	300	..
131	ANKLESHWAR	Sanjali	Primary School Sanjali	200	..
132	VALIA	Valia	Primary School,	500	Viralbhai Patel 9408265932
133	VALIA	Hirapor	Primary School Hirapor Primary School Bandabeda	200	Jignashaben Vansadiya Divyesh
134	VALIA	Kondh	Primary School Kondh	200	REKHABEN 9879977701
135	VALIA	Vatariya, Naldhari	Primary School Vatariya	200	Hitndrasinh Vansiya 9925383719
136	VALIA	Siludi,Dodvada	Primary School Siludi	200	9979980789
137	VALIA	Kara	Primary School	200	Principal-Netalben 88491 98717
138	VALIA	Mera	Primary School	200	Hitendrasinh 99244 92383

139	VALIA	Gandhu	Primary School	200	Sangitaben 70697 61008
140	VALIA	Dansoli	Primary School	200	Amichand Dansoli 9979278664 Kalpanaben 879938145
141	VALIA	Luna	Primary School Luna	200	Principal - Hareshbhai - 9979344650
142	VALIA	Pansoli	1.Primary School Pansoli 2.Fadkoi Primary School	200	Vijaybhai 6355283924 Shobhnaben- 780078872
143	VALIA	Sinada	Primary School Sinada	200	Chanchalben - 9023260927
144	VALIA	Kanerav	Primary School Kanerav And Temple	200	Ritaben - 7623804535 Kamleshbhai- 9979344707
145	VALIA	Karsad	Primary School Karsad And Temple	200	Kapilaben- 8830622963 Narendra Bodana - 9909453935
146	VALIA	Dungari	Primary School Dungari	200	Ketanbhai - 9925895917
147	VALIA	Ghoda ,Jolly	Primary School, Ghoda And Joli	200	Sukabhai Ghoda 6351324811 Jasvantbhai Joli - 7984279001
148	VALIA	Jabugam	Primary School	200	Nileshbhai Chandubhai Vasava 9099684784
149	VALIA	Sodgam	Sodgam Primary School	200	Chetnaben Atodroya 9498689181
150	VALIA	Bhamadiya	Primary School , Madhyamik School	200	Bharatbhai Ramubhai Vasava- 9924736144
151	VALIA	Holakotar, Nikoli,Patal	Primary School	200	Shilaben Chaudhari- 9537998959
152	VALIA	Bharadiya	Primary School	200	Dharmendrabhai Karshanbhai

					Vasava - 6353224958
153	VALIA	Rajgadh, Kosmadi	Rajgadh Mukhy Shala	200	Ashokbhai Vasava 8238955004
154	VALIA	Dholgam	Primary School Chamariya, Dholgam	150	-
155	VALIA	Daheli	Sharda Mandir Haigh School, Daheli	250	Parul Dumadiya- 9427335594
156	VALIA	Pithor	Prathmik Shala Pithor	150	Jayeshbhai Vasava- 8469843135
157	VALIA	Umargam	Umargam Prathmik Shala	150	Vijaybhai Vasava 99132 36074
158	VALIA	Vithhalgam	Vitthalgam Prathmik Shala	200	Yogeshbhai Vasava 9099268362
159	VALIA	Tuna	Primary School Tuna	200	Ushaben -Teacher 9408130761
160	VALIA	Gundia	Primary School Gundiya	500	Rana Gajendrasihi- 9727773619
161	VALIA	Sabariya	Primary School Sabariya	300	Chaudhari Jatinbhai- 8153947812
162	VALIA	Sevad	Primary School Sevad	200	Denishbhai Mo.9909453916
163	VALIA	Rundha	Primary School Rundha	150	-
164	VALIA	Jamaniya, Mirapor	Primary School Jamaniya & Mirapor	150	-
165	VALIA	Dolatpur	Primary School Dolatpur	150	Surendra Bhai- 9913910132
166	VALIA	Shir	Primary School Shir, Primary School Devanagar	200	Kalpanaben- 8200809143 Mukeshbhai- 9265212387
167	VALIA	Pathar	Primary School Pathar	200	Lataben 8160267405
168	VALIA	Zokhla	Primary School Zokla	200	Dharmeshbhai 9624866402
169	VALIA	Bhilod	Madhyamik School Bhilod	200	Jagruti Patel 9558826783
170	VALIA	Vagalkhod	Eklavya Model Residencial School Vagalkhod	1000	Principal 9413210833

171	VALIA	Itakala, , ,	Primary School Itakla	250	Ushaben Dattubhai Vasava- 8980949555.
172	VALIA	Kesargam	Primary School Kesargaam	150	Sonalben Vasava- 81419 29096
173	VALIA	Singla	Primary School Singla	150	Anjanaben Patel - 7984138669
174	VALIA	Navapara	Primary School Navapara	150	Dilipbhai Chaudhary-98792 84960
175	JHAGADIA	Achhaliya	Primary School Achhaliya	200	9924078295
176	JHAGADIA	Jamboi	Primary School Jamboi	150	7359069881
177	JHAGADIA	Jespore	Primary School Jespore	100	9879255410
178	JHAGADIA	Anadhara	Primary School Anadhara	150	9726553167
179	JHAGADIA	Avidha	Primary School Avidha	100	9978815047
180	JHAGADIA	Ranipura	Primary School Ranipura	150	9408263930
181	JHAGADIA	Asha	Primary School Asha	100	7265869620
182	JHAGADIA	S. Fichwada	Primary School S. Fichwada	200	9979132285
183	JHAGADIA	Ambos	Primary School Ambos	150	8980887854
184	JHAGADIA	Dharoli	Primary School Dharoli	100	9978478091
185	JHAGADIA	Amalzar	Primary School Amalzar	150	9638354606
186	JHAGADIA	Amod	Primary School Amod	100	8000371744
187	JHAGADIA	Kadwali	Primary School Kadwali	150	7698317007
188	JHAGADIA	Indore	Primary School Indore	100	9327495720
189	JHAGADIA	Uchediya	Primary School Uchediya	150	7096626742
190	JHAGADIA	Uchchhab	Primary School Uchchhab	100	9904811182
191	JHAGADIA	Kapat	Primary School Kapat	200	9712412666
192	JHAGADIA	Du. Haripura	Primary School Du. Haripura	150	9904811182
193	JHAGADIA	Umadhara	Primary School Umadhara	100	9574437911
194	JHAGADIA	Umalla	Primary School Umalla	150	9727526167
195	JHAGADIA	Or	Primary School Or	200	7359125382
196	JHAGADIA	Kapalsadi	Primary School Kapalsadi	150	9913224077
197	JHAGADIA	Karad	Primary School Karad	100	7069397406
198	JHAGADIA	Dholakuva	Primary School Dholakuva	150	9099334559
199	JHAGADIA	Kakalpor	Primary School Kakalpor	100	9978174903
200	JHAGADIA	Sarsad	Primary School Sarsad	150	8980628403
201	JHAGADIA	Du. Vaghpura	Primary School Du. Vaghpura	100	9909611668
202	JHAGADIA	Mulad	Primary School Mulad	200	9427583653

203	JHAGADIA	Kh. Bhilwada	Primary School Kh. Bhilwada	150	9687089888
204	JHAGADIA	Kharchi	Primary School Kharchi	100	9106493457
205	JHAGADIA	Raisingpura	Primary School Raisingpura	150	9879541392
206	JHAGADIA	Prankad	Primary School Prankad	100	9727598682
207	JHAGADIA	Khalak	Primary School Khalak	150	9909563502
208	JHAGADIA	Tavdi	Primary School Tavdi	100	9714852565
209	JHAGADIA	Vala	Primary School Vala	150	9825818197
210	JHAGADIA	Govali	Primary School Govali	100	9427329984
211	JHAGADIA	Nana Sanja	Primary School Nana Sanja	200	9081407242
212	JHAGADIA	Vanakpor	Primary School Vanakpor	150	8980133033
213	JHAGADIA	Jarsad	Primary School Jarsad	100	8469660140
214	JHAGADIA	Jhagadia	Adarsh Nivasu Shala Jhagadia	250	9427807811
215	JHAGADIA	Tothidara	Primary School Tothidara	150	9427464328
216	JHAGADIA	Dabhal	Primary School Dabhal	100	9723549857
217	JHAGADIA	Vali	Primary School Vali	200	9724944888
218	JHAGADIA	Tarsali	Primary School Tarsali	150	7874224307
219	JHAGADIA	Mota Sorva	Primary School Mota Sorva	100	9723545098
220	JHAGADIA	Talodra	Primary School Talodra	150	7567954153
221	JHAGADIA	Dadheda	Primary School Dadheda	100	7567625834
222	JHAGADIA	Limet	Primary School Limet	150	9687630079
223	JHAGADIA	Du. Boridra	Primary School Du. Boridra	100	9913018101
224	JHAGADIA	Du. Malpor	Primary School Du. Malpor	150	7567134995
225	JHAGADIA	Vanthevad	Primary School Vanthevad	100	9429109021
226	JHAGADIA	Nanavasna	Primary School	200	8347432143
227	JHAGADIA	Padvaniya	Primary School	150	8347199833
228	JHAGADIA	Padal	Primary School Padal	100	9978575276
229	JHAGADIA	Panetha	Primary School Panetha	150	9265335921
230	JHAGADIA	Kantol	Primary School Kantol	200	9913219281
231	JHAGADIA	Pipadra	Primary School Pipadra	150	9662517837
232	JHAGADIA	Pora	Primary School Pora	100	9427161769
233	JHAGADIA	Fulwadi	Primary School Fulwadi	150	8238107312
234	JHAGADIA	Selod	Primary School Selod	100	7874402453
235	JHAGADIA	Bamalla	Primary School Bamalla	150	9978233321
236	JHAGADIA	Mahuvada	Primary School	100	9712091979
237	JHAGADIA	Borjai	Primary School Borjai	200	8238706907
238	JHAGADIA	Bhalod	M G Vidhyalay Bhalod	250	9429828823
239	JHAGADIA	Motavasna	Primary School	100	7990643781
240	JHAGADIA	Mota Sanja	Primary School	150	9426921374
241	JHAGADIA	Limodara	Primary School Limodara	100	7574892702

242	JHAGADIA	Shiyali	Primary School Shiyali	150	9904030126
243	JHAGADIA	Moran	Primary School Moran	100	9979303816
244	JHAGADIA	Razalvada	Primary School Razalvada	150	9909101600
245	JHAGADIA	Pipalpan	Primary School Pipalpan	100	9925445472
246	JHAGADIA	Ratanpor	Primary School Ratanpor	200	9974003294
247	JHAGADIA	Rajpardi	Primary School Rajpardi	150	7202957673
248	JHAGADIA	Vadhvana	Primary School	100	9909222962
249	JHAGADIA	Rundh	Primary School Rundh	200	9428685874
250	JHAGADIA	Vasna	Primary School Vasna	150	8469671808
251	JHAGADIA	Velugam	Primary School Velugam	100	9429038084
252	JHAGADIA	Sanjali	Primary School Sanjali	150	9825458332
253	JHAGADIA	Sardarpara	Primary School	100	9428108302
254	JHAGADIA	Sarsa	Primary School Sarsa	150	9909678603
255	JHAGADIA	Khadoli	Primary School Khadoli	100	9687250359
256	JHAGADIA	Rupania	Primary School Rupania	200	9723549870
257	JHAGADIA	Nanasorva	Primary School	150	9723545098
258	JHAGADIA	Bhimapor	Primary School Bhimapor	100	9913452776
259	JHAGADIA	Ambakhadi	Primary School	150	9825857009
260	JHAGADIA	Bhuri	Primary School Bhuri	100	9512943850
261	JHAGADIA	Kunvarpara	Primary School	150	9913068068
262	JHAGADIA	Rajpor	Primary School Rajpor	100	8469671808
263	JHAGADIA	Zazpor	Primary School Zazpor	150	7567709750
264	JHAGADIA	Rumalpura	Primary School	100	8153008940
265	JHAGADIA	Kesharva	Primary School Kesharva	200	7359138030
266	JHAGADIA	Madhavpura	Primary School	150	7202957673
267	JHAGADIA	Simadhara	Primary School	100	9428111489
268	JHAGADIA	Samarpada	Primary School	100	9825118092
269	JHAGADIA	Bilavada	Primary School Bilavada	150	7698548616
270	JHAGADIA	Mandvi	Primary School Mandvi	100	9712302702
271	JHAGADIA	Jamoli	Primary School Jamoli	200	9904079695
272	JHAGADIA	Gundecha	Primary School Gundecha	150	9537615245
273	JHAGADIA	Maljipara	Primary School Maljipara	100	9726016303
274	JHAGADIA	Choki	Primary School Choki	150	8469722378
275	JHAGADIA	Rampor	Primary School Rampor	100	9428175942
276	JHAGADIA	Andharkachhal a	Primary School	150	9909633605
277	JHAGADIA	Navagam Mota	Primary School	100	9824329456
278	JHAGADIA	Randedi	Primary School Randedi	200	9714409658
279	JHAGADIA	Bhojapor	Primary School Bhojapor	150	9687892837
280	JHAGADIA	Sa.Boridara	Primary School	100	9925353028

281	JHAGADIA	Tejpor	Primary School Tejpor	150	7069175886
282	JHAGADIA	Shir	Primary School Shir	100	9979761196
283	JHAGADIA	Dholi	Primary School Dholi	150	9512394472
284	JHAGADIA	Baleshwar	Primary School	100	9913628057
285	JHAGADIA	Untiya	Primary School Untiya	150	9727745634
286	JHAGADIA	Panvadi	Primary School Panvadi	100	9408553166
287	JHAGADIA	Krushnapari	Primary School	200	9510265115
288	JHAGADIA	Kantidara	Primary School Kantidara	150	9978569456
289	JHAGADIA	Parvata	Primary School Parvata	100	8347432143
290	JHAGADIA	Dhundha	Primary School Dhundha	200	9913695140
291	JHAGADIA	Sa.Haripura	Primary School	150	8238146173
292	JHAGADIA	Rajpara	Primary School Rajpara	100	9726438734
293	JHAGADIA	Vaghpara Sa.	Primary School	150	9429282059
294	JHAGADIA	Sultanpura	Primary School	100	9426125184
295	JHAGADIA	Damlai	Primary School Damlai	150	9924185608
296	JHAGADIA	Kharia	Primary School Kharia	100	8140440314
297	JHAGADIA	Patar	Primary School Patar	200	9638452025
298	AMOD	Achhod	High School Achhod	500	Usman Bhai Sutariya
299	AMOD	Denava	Primary School Denva	200	Sirishbhai 6352508693
300	AMOD	Mangarol	Primary School Mangrol	100	Malilal Prajapati 9664734985
301	AMOD	Dora	Primary School Dora	500	Rakeshbhai Thakorbhai 9904455488
302	AMOD	Malkinapura	Primary School Malkinapura	100	Kiran Parmar- 9914273535
303	AMOD	Ikhar	PRIMARY SCHOOL And HIGH SCHOOL	800	MUBARAK BHAD 8128929228
304	AMOD	Vedacha	Primary School Vedcha	50	Patel Amitaben 9106554127
305	AMOD	Roja Tankariya	Primary School Roza	300	Vipul D Parmar - 6351828898
306	AMOD	Kolavana	Primary School Kolavana	200	Patel Ismail Hasan: 9925722243
307	AMOD	Simartha	Primary School	100	JYOTIBEN BHARAT PATEL 9712885258
308	AMOD	Vantarsa	Primary School Vantarsa	100	Patel Binalben 9586113116
309	AMOD	Sarabhan	R N Patel School	100	-

310	AMOD	Ranada	Primary School Ranada	80	Kanchankumari Tiwari 9023707740
311	AMOD	Anor	Primary School Anor	150	Virabhai Vankar 6355017993
312	AMOD	Telod	Primary School	140	Hansaben 9998746217
313	AMOD	Danda	Primary School Danda		-
314	AMOD	Suthodara	Primary School Suthodara		-
315	AMOD	Karena	Primary School Karena	150	Natvarbhai Vithalbhai 9925645096
316	AMOD	Keravada	Primary School Kervada	130	Sanjaysinh 99791 56475
317	AMOD	Samiyala			-
318	AMOD	Bodaka	Primary School Bodka	70	Narendrabhai 63527 25078
319	AMOD	Asnera	Primary School Asnera	50	Kalpnaben 9909564116
320	AMOD	Intola	Primary School	70	Harshadbhai 9638673432
321	AMOD	Purasa	Primary School Pursa	100	-
322	AMOD	Kankariya	Primary School Kankariya	70	-
323	AMOD	Bhimpura	Primary School Bhimpura	30	Shakilbhai Patel 9924383299
324	AMOD	Chakalad	Primary School	200	9737279702
325	AMOD	Matar	Primary School And Madhmik School	400	9427365915
326	AMOD	Ajamanagar	Primary School	250	9898684923
327	AMOD	Samani	Primary School	350	9723734459
328	AMOD	Sudi	Primary School	200	9913267555
329	AMOD	Kesalu	Primary School	150	8140541002
330	AMOD	Kothi Vantarsa	Primary School Kothivantarsa	200	Imtiyaz Ghungad- 9904167590
331	AMOD	Rodh	Primary School	50	7016205564
332	AMOD	Shree Kothi	Primary School	60	9825620502
333	AMOD	Ninam	Primary School	80	
334	AMOD	Tegava	Primary School	100	Thakorabhai Gohil
335	AMOD	Vadiya	Primary School Nva Vadiya	80	Makbool P Rana 9898356044
336	AMOD	Ranipura	Primary School Ranipura	100	7862934311
337	AMOD	Buva	Primary School	100	Hareshbhai 9712827167

338	AMOD	Vasana	Mahadev Temple	100	Chandr Kant Patel 9925834113
339	AMOD	Kobla	Primary School Kobla	200	9886353025
340	AMOD	Dadapor	Primary School Dadapor	250	7436005036
341	AMOD	Manjola	Sadashiv Mahadev Temple	250	9737672140
342	AMOD	Ghamanad	Primary School	300	7265031137
343	AMOD	Tanchha	School	100	9574235313
344	JAMBUSAR	Dahri	Primary School	290	Dilipbhai Rameshbhai Patel
345	JAMBUSAR	Kaliyari	Primary School	300	Svetaben Desmukh
346	JAMBUSAR	Zaamdi	Primary School	250	Rajendrasinh V Yadav
347	JAMBUSAR	Jantran	Primary School	250	-
348	JAMBUSAR	Nobar	Primary School	100	Patel Hitesh Bhai Fakirbhai
349	JAMBUSAR	Nodhana	Primary School	120	-
350	JAMBUSAR	Runad	Community Hall	200	-
351	JAMBUSAR	Thanava	Primary School Thavana	200	-
352	JAMBUSAR	Sigam	Primary School Sigam	200	-
353	JAMBUSAR	Ha. Kanthariya	Primary School	40	-
354	JAMBUSAR	Kavi	Primary School No. 4	350	-
355	JAMBUSAR	Umra	Prprimary School Umra	250	-
356	JAMBUSAR	Uber	Primary School Uber	250	-
357	JAMBUSAR	Neja	Primary School	150	-
358	JAMBUSAR	Piludara	Rain Basera , Primary School	250	Balvantbhai Aasha Bhai Rathod
359	JAMBUSAR	Tha. Talavdi	Primary School	150	Ranchhod C Rathod
360	JAMBUSAR	Ba. Timbi	Primary School Ba. Timbi	200	Basirbhai Patel
361	JAMBUSAR	Singarna	Primary School Singarna	200	Vijaybhai M Padhiyar
362	JAMBUSAR	Tundaj	Praimary School Tundaj	250	P D Parmar- 9909416147
363	JAMBUSAR	Amanpur Nana	Community Hall	60	Maqbulbhai Ganchi
364	JAMBUSAR	Kangam	Primary School	250	-
365	JAMBUSAR	Vadadala	Primary School Vadadala	200	-
366	JAMBUSAR	Sambha	Primary School Sambha	200	-
367	JAMBUSAR	Khanpurdeh	Mpcs Hall	650	Yunus Suba
368	JAMBUSAR	Bhodar	Primary School Bhodar	200	Rohitbhai C Patel

369	JAMBUSAR	Chhidra	Adrsh Pratmik Shala	500	Mayurasinh Chudashama
370	JAMBUSAR	Dabha	Prathmik Shala.. Dabha	400	Dilipbhai Prajapati (Acharya - Prathmik Shala Dabha
371	JAMBUSAR	Uchchhad	Primary School	200	-
372	JAMBUSAR	Koteshwar	Primary School Koteshwar	400	Dipakbhai Patel
373	JAMBUSAR	Nahar	Primary School & G P Office Nahar	300	Narendrasinh U Mori
374	JAMBUSAR	Kalak Group	PRIMARY SCHOOL KALK	250	KIRANSINH RAAJ - 8140174951
375	JAMBUSAR	Vedach	Primary School Vedach	500	-
376	JAMBUSAR	Nada			-
377	JAMBUSAR	Dahegam	Primary School	350	-
378	JAMBUSAR	Kava	Primary School Kava	150	Rajubhai Prabhatbhai Parmar
379	JAMBUSAR	Karmad	Primary School Karmad	300	Digeshbhai Vasantbhai Patel Acharya- 8200064420
380	JAMBUSAR	Limaj	Primary School Limaj	300	Haribhai Jambu Acharya - 8849100092
381	JAMBUSAR	Madafar	Prathmik School Madafar	300	-
382	JAMBUSAR	Asanvad	Prathmik School Aasanvad	175	Ramanbhai Deshai
383	JAMBUSAR	Kora	Primary School	150	-
384	JAMBUSAR	Amanpor Mota	Prathmik Shala	350	Jashwantbhai Padhiyar - 8140075988
385	JAMBUSAR	Sindhav Group	Primary School Sindhav	150	Dharmendra Bhai- 6351040727
386	JAMBUSAR	Devla	Primary And High School Devla	500	Yusuf Bhai- 9106350506
387	JAMBUSAR	Magnad	Primary School Magnad	300	Devdatt Patel- 9033905348
388	JAMBUSAR	Bojadra	Primary School	200	Megha Sharma- 8780246923
389	JAMBUSAR	Nadiyad	Primary School	80	-
390	JAMBUSAR	Rampur	Primary School Rampur	250	Girishbhai Udesang Parmr- 9106621341

391	JAMBUSAR	Bhankhetar	Primary School And Community Hall	300	Jagdishbhai Patel-Sarpanch-9909588757
392	JAMBUSAR	Panchakada	Primary School Panchakada	200	Virsangbhai S Gohil-9978568337
393	JAMBUSAR	Malpur	Primary School And Community Hall	200	Ajitbhai Parmar-6351130672
394	VAGRA	Akhod	Community Hole	150	9099960305
395	VAGRA	Ambhel	P.Sala	100	7575837328
396	VAGRA	Ambheta	P.S SHALA	150	7046793148
397	VAGRA	Ankot	Pra.Shala Ankot	200	9638071861
398	VAGRA	Aragama	Pri School	100	9723786779
399	VAGRA	Atali	Navi Nagri	100	9714202304
400	VAGRA	Badalpura	Primary School	250	9725307339
401	VAGRA	Bhersam	Primary School	500	8140371751
402	VAGRA	Dahej	Pra.Shala Dahej	100	8511124948
403	VAGRA	Galenda	Community Hall	100	9574167346
404	VAGRA	Gandhar	Primay School	150	6355321040
405	VAGRA	Jageshwar	Primary School	100	8320144283
406	VAGRA	Jolva	Clture Hall	400	7698495594
407	VAGRA	Juned	Prathmik Shala	100	8140371751
408	VAGRA	Kaladara	Prathmicsara	200	9723778530
409	VAGRA	Koliad	Primary School	200	9723190776
410	VAGRA	Lakhigam	Community Hall	300	9904168098
411	VAGRA	Luvara	Primary School	200	9023297872
412	VAGRA	Mosam	Primry School	210	9624783415
413	VAGRA	Muler	Primary School	100	9924121222
414	VAGRA	Nadarkha	Prathmik Shala	50	7559329013
415	VAGRA	Pipalia	Primary School Pipaliya	50	7359054049
416	VAGRA	Rahad	Prathmik Shala Rahad	100	8155930315
417	VAGRA	Rahiad	Rahiyad Gam Cyclone Center	500	7202068605
418	VAGRA	Saran	Pra.Shala Saran	100	9824410084
419	VAGRA	Sayakha	Primary School	500	9879282971
420	VAGRA	Vagra	Primary School	185	9924425313
421	VAGRA	Vastikhandali	Prathmikshra	200	8347652815
422	VAGRA	Vav	Community Hall	200	9586085386
423	VAGRA	Vilayat	Old Primary School	700	9725128716
424	VAGRA	Vorasamni	Primary School	300	9974402963

- List of Evacuation Information – Sheltering (Nagarpalika)

No	List of Evacuation Information – Sheltering Bharuch Nagarpalika		
	Evacuation area location	Capacity of peoples	Details of Contact Persons
1	Lal Bazar Main Mishra School	120	9725944069
2	Navadera Mishra School-1	200	9925909294
3	Dandiya Bazar Mishra School-1	180	9427831438
4	Kasak Mishra -1	75	7227099235
5	Station Road Mishra School-1(M)	75	9428887844
6	Chhipwad Branch Kumar School	60	7575823909
7	Lmidi Chowk Mishra School -1	120	9727808324
8	Munda Faliya Gujarati Kumar School	50	9898662684
9	Ta. M. Mahila Mu. Kanya School	135	9276204260
10	Vejalpur Branch Kanya School	160	9879490069
11	Station Road Branch Mishra School	180	9427449080
12	Lahori Godawn Mishra School	80	9558820524
13	Santoshi Nagar Mishra School	160	9624910303
14	Police Head Quarter Mishra School	160	9428326848
15	Vejalpur Mishra School	180	7383889085
16	Gayatri Nagar Mishra School	120	9033549818
17	Tadia Mishra School	80	9898592034

Annexure

Annexure W

List of Overtopping Roads of Bharuch R & B Department (State) in heavy rain

List of Overtopping Roads of Bharuch R&B Department (State) in heavy rain		
Sr. No	Route Information	Affected Route in KM.
1	Derol Vagra Gandhar Road	4.2 to 4.8
2	Amod RozaTankariya Muler Dahej Road	0.980 to 2.0
		2.4 to 3.8
		4.5 to 5.2
		7.6 to 8.0
3	Ilav Kharach Kosamba Road	3.8 to 4.0
		33.2 to 33.4
4	Dayadara Nabipur Road	5.2 to 5.6
5	Valia Mangrol Road	6.4 to 6.6
6	Bharuch Tanakriya Palej Road	24.0 to 25.0
7	Bharuch Manubar Vansi Kalla Cholad Amleshwar Road Km (MDR) 0/00 to 19/60	6.0 to 7.0
8	Valia Vadi Road km 0/00 to 21/200	3.20 to 3.40
9	Nahiyer Buva Kervada Vagra Road	3.40 to 3.60 to 6.10
10	Limaj Karmad Rampur Road km 0/0 to 3/475	0.0 to 3.475
11	Tanchha Anor Dhamnad Road km 0/00 to 11/200	0/0 to 11.200
12	Vedach Piludra Road (Dandi Road) km 0/00 to 3/20	0.0 to 3.20

Annexure: - W1

List of Overtopping Roads of Bharuch R & B Department (Panchyat) in heavy rain

Details of roads being overtopped						
Panchayat (Ma.M.) Department, Bharuch						
No	District	Taluka	Road name	Level	Length	Affected villages
1	Bharuch	Jhaghadiya	Tothidara Tarsali Road	V.R.Plan	3.8	Tothidara, Tarsali
2	Bharuch	Jhaghadiya	Madhi Zagdia Road	At.G.Ma	4.2	Madhi, Zagdia
3	Bharuch	Jhaghadiya	Limodara Approach Road	At.G.Ma	2	Limodara
4	Bharuch	Jhaghadiya	Rajpardi Bhalod Road	At.G.Ma	7.2	Bhalod
5	Bharuch	Jhaghadiya	Or faliya Road	V.R.Plan	1	Or faliya
6	Bharuch	Jhaghadiya	Vanakpore Prakad Road	V.R.Plan	3	Vanakpore Prakad
7	Bharuch	Jhaghadiya	Kushnapuri Apoch Road	V.R.Plan	4.9	Kushnapuri
8	Bharuch	Jhaghadiya	Seemdhara Avidha Road	V.R.Plan	4.5	Seemdhara Avidha
9	Bharuch	Jhaghadiya	Waghpora Karad Avidha Road	V.R.Plan	6.65	Waghpora Karad Avidha
10	Bharuch	Jhaghadiya	Zagdia Motasaja Ranipura Uchedia Road	V.R.Plan	5.4	Fought Motasaja Ranipura Uchediya
11	Bharuch	Jhaghadiya	Big Vasana Apoch Road	V.R.Plan	3.6	Large vessel
12	Bharuch	Jhaghadiya	Bhavpura Apoch Road	V.R.Plan	2	Bhavpura
13	Bharuch	Jhaghadiya	Zagdia Gayatri Mandir Road	V.R non.Plan	0.8	Fought
14	Bharuch	Jhaghadiya	Rudh Apoch Road	V.R non.Plan	2	Custom
15	Bharuch	Jhaghadiya	Zagdiyamadhi Limodara Ladwawad Road	V.R non.Plan	3	Fought Limodara
16	Bharuch	Jhaghadiya	Gowali Cremation Road	V.R non.Plan	2	Gowali
17	Bharuch	Jhaghadiya	Ranipura Cremation Road	V.R non.Plan	2	Ranipura
18	Bharuch	Jhaghadiya	Madhi to Ladwawad to Kabirwad Road	V.R non.Plan	4.5	Fought
19	Bharuch	Jhaghadiya	Asha Panetha Road	V.R non.Plan	2	Hope Panetha
20	Bharuch	Ankleshwar	Amartpara Apoch Road	V.R.Plan	0.85	Amartapara
21	Bharuch	Ankleshwar	Old Chapra Old Kansia Road	V.R.Plan	3.4	Old roofs, old bronze
22	Bharuch	Ankleshwar	Road connecting Ankleshwar Dudhiyadev Mandir to Old National Highway	V.R.Plan	1	Ankleshwar
23	Bharuch	Ankleshwar	Sajod-wadinath Road	Gr.Ma	2	Sajod-wadinath
24	Bharuch	Ankleshwar	Sajod-nangal Road	Gr.Ma	2.5	Sajod-nangal
25	Bharuch	Ankleshwar	Diwa-amboli Road	Gr.Ma	1	Diwa-amboli
26	Bharuch	Bharuch	Mangleswar Karajan Road	V.R non plan	0.8	Mangleswar, Karjan
27	Bharuch	Bharuch	Kadod Apoch Road	V.R non.Plan	0.2	Kadod
28	Bharuch	Bharuch	Shuklatitha Apoch Road	V.R non.Plan	0.3	Shuklatitha
		Total	28		76.6	

Annexure: - W2 List of PHC

PHC Medical Officer						
SN	District	Taluka	Name of PHC	MBBS		
				Name		Mobile No
1	2	3	4	5		6
1	Bharuch	Amod	Achhod	Dr. Safa Faruk Meman	MBBS	9574301486
1	Bharuch	Amod	Achhod	Dr. Janvi Nikhilbhai Rana	MBBS	9712534007
2	Bharuch	Amod	Matar	Dr. Raguvir Parmar	MBBS	9227729297
3	Bharuch	Amod	Samani	Dr. Khyati Patel	MBBS	7019834642
4	Bharuch	Ankleshwar	Jitali	Dr. Nitesh A Jambukia	MBBS	9722238334
5	Bharuch	Ankleshwar	Kharod	Vacant	MBBS	-
	Bharuch	Ankleshwar	Kharod	Vacant	MBBS	-
6	Bharuch	Ankleshwar	Mandvabuzarg	Dr. Ashok Prabhat	MBBS	9825880012 9727702194
	Bharuch	Ankleshwar	Mandvabuzarg	Dr. Vivek Preamkumar Rangvani	MBBS	7567181588
7	Bharuch	Ankleshwar	Sajod	Dr. Bhumi D Makwana	MBBS	7600404994
8	Bharuch	Ankleshwar	Sisodara	Dr. Indira a Contractor	MBBS	8238082960
	Bharuch	Ankleshwar	Sisodara	Dr. Henishaben Modi	MBBS	9879363711
9	Bharuch	Bharuch	Derol	Dr. Rakeh Vasava	MBBS	9727702167
10	Bharuch	Bharuch	Haladar	Vacant	MBBS	-
11	Bharuch	Bharuch	Jhanor	Vacant	MBBS	-
12	Bharuch	Bharuch	Navetha	Vacant	MBBS	-
13	Bharuch	Bharuch	Shuklatirth	Vacant	MBBS	-
14	Bharuch	Bharuch	Tankariya	Dr. Patel Faizan Iqbalbhai	MBBS	9558467565
15	Bharuch	Hansot	Ilav	Vacant	MBBS	-
16	Bharuch	Hansot	Kudadara	Dr. Prachiben B Patel	MBBS	7434048398
17	Bharuch	Jambusar	Chhidra	Dr. Shaikh Talha Khalid	MBBS	8128545683
18	Bharuch	Jambusar	Gajera	Dr. Kamlesh Kumar Sing	MBBS	7567865845
19	Bharuch	Jambusar	Kavi	Dr. Shakoriya Nikunj Shambhubhai	MBBS	9537585094
20	Bharuch	Jambusar	Kora	Vacant	MBBS	-
21	Bharuch	Jambusar	Tankari	Dr. Dipak K Shukla	MBBS	8140495651
22	Bharuch	Jhagadia	Rajpardi	Dr. Moin Malek Gulam	MBBS	9687854823
	Bharuch	Jhagadia	Rajpardi	Dr. Rutvika Kapse	MBBS	9638620565
23	Bharuch	Jhagadia	Bhalod	Dr. Kachhela Mayur Jagdishbhai	MBBS	8401212713
	Bharuch	Jhagadia	Bhalod	Vacant	MBBS	-
24	Bharuch	Jhagadia	Dharoli	Dr. Bipinkumar Tadha	MBBS	9601588938
	Bharuch	Jhagadia	Dharoli	Dr. Rahul Shaileshbhai Bhagat	MBBS	9510036971
25	Bharuch	Jhagadia	Govali	Dr. Xevier Kujur	MBBS	9727702183
	Bharuch	Jhagadia	Govali	Dr. Ranjit Sureshbhai Rajpurohit	MBBS	8347935274

26	Bharuch	Jhagadia	Jespore	Dr. Archana Maheshbhai Vasava	MBBS	9712048932
	Bharuch	Jhagadia	Jespore	Dr. Mudulkumar G Patel	MBBS	8758954687
27	Bharuch	Jhagadia	Jhagadia	Dr. Komalbhai Chandhubhai Tank	MBBS	8780910630
	Bharuch	Jhagadia	Jhagadia	Vacant	MBBS	-
28	Bharuch	Jhagadia	Padvaniya	Dr. Krupaliben Laxmanbhai Vasava	MBBS	8238484223
	Bharuch	Jhagadia	Padvaniya	Vacant	MBBS	-
29	Bharuch	Jhagadia	Panetha	Dr. Farid Mustak Goji	MBBS	9054155002
	Bharuch	Jhagadia	Panetha	Dr. Ankita R Gamit	MBBS	7984017235
30	Bharuch	Netrang	Bilothi	Dr. Hitixa Chaplot	MBBS	7202941330
	Bharuch	Netrang	Bilothi	Vacant	MBBS	-
31	Bharuch	Netrang	Chasvad	Dr. Sabhya Manish Jain	MBBS	9537270601
	Bharuch	Netrang	Chasvad	Dr. S. R. Varma	MBBS	9727702196
32	Bharuch	Netrang	Kharetha	Vacant	MBBS	-
32	Bharuch	Netrang	Kharetha	Dr. Aadity Jorsangbhai Rathod	MBBS	7984317766
33	Bharuch	Netrang	Moriya	Dr. Archana Kumari Chaudhari	MBBS	6355890076
	Bharuch	Netrang	Moriya	Dr. Shuhaniben Mahendrabhai Vasava	MBBS	7698703050
34	Bharuch	Netrang	Thava	Dr. Jyotika M Valavi	MBBS	9586918440
	Bharuch	Netrang	Thava	Dr. Vibhaben S Choudhari	MBBS	8758538080
35	Bharuch	Vagra	Dahej	Dr. Kumar Sambhav Ashokabhai	MBBS	8469461796
36	Bharuch	Vagra	Keshwan	Dr. Mubin Khatri	MBBS	9099609600
37	Bharuch	Vagra	Pakhajan	Dr. Taiyab Gulam Patel	MBBS	7486962500
38	Bharuch	Vagra	Saykha	Vacant	MBBS	-
39	Bharuch	Valia	Daheli	Dr. Variya Ankitakumar Navinabhai	MBBS	9558021362
	Bharuch	Valia	Daheli	Dr. Sumit Ashokkumar Shrivastav	MBBS	9427873646
40	Bharuch	Valia	Gundia	Dr. Nitin Bhagat	MBBS	9727702160
	Bharuch	Valia	Gundia	Dr. Chaudhari jainil Jayprakash	MBBS	903399566
41	Bharuch	Valia	Kara	Dr. Ravi Manshukh Vaghela	MBBS	8460090261
	Bharuch	Valia	Kara	Vacant	MBBS	-
	Bharuch	Valia	Kondh	Vacant	MBBS	-
42	Bharuch	Valia	Kondh	Dr. Achintya H Desai	MBBS	9726525399

Annexure: - W3 List of CHC

(CHC) Community Health Centre-Superintendent (CHC-Supt.)							
Sr. No	Name of Taluka	Name Of CHC	Name Of Superintendent	Mobile No	Landline No		E-Mail ID
					STD Code	Number	
1	Amod	Amod	Dr. Jaimingiri V Gosai (I/C)	982516767	2641	245016	chcamod.health.bharuch@gmail.com bharuch.amod@rediffmail.com
2	Palej	Palej	Dr. Rajikakumari Patel (i/c)	7567867185	2642	277211	chcpalej.health.bharuch@gmail.com
3	Gadkhol	Gadkhol	Dr. Binoy T Sharma (i/c)	9426163452			chcgadkhol.health.bharuch@gmail.com
4	Jhagadia	Avidha	DR. SUNIL SHAH (I/c)	9429323435	2645	240119	chcavidha@gmail.com
5	Jhagadia	Umalla	Dr. A K Katara (I/C)	7567867183 8758413590	2645	234789	CHC umalla.health.bharuch@gmail.com
6	Hansot	Hansot	Dr. Dipal R Patel (I/C)	8866695490	2646	262926	chchansot.health.bharuch@gmail.com
7	Netrang	Netrang	Dr. A.N.Singh (I/C)	8140122217	2643	282061	chcnetrang.health.bharuch@gmail.com
8	Vagra	Vagra	Dr. Pravinkumar Singh (I/C)	9727702171	2641	225243	chcvagra.health.bharuch1@gmail.com
9	Valia	Valia	Dr. Kisan Vasava (I/C)	9427068011	2643	270733	chcvalia.health.bharuch1@gmail.com

X.Flood Situation

Heavy rain took place in catchment area of Narmada River from the mid august and as a counter effect water released from Sardar Sarovar Narmada Dam at Kevadiya colony so heavy flood raised in low lying areas of old Bharuch and Ankleshwar city and villages near shore area in Bharuch District from 23/8/2013 to 28/8/2013 .Narmada river was flowing between 7 to 10 feet above the danger level from 23rd August to 26th of August.

During the rainy season-2024, heavy rain fell in the district from 25/08/2024 to 06/09/2024. Due to heavy rains in the district during this period, 1454 persons were displaced and 16 persons were rescued and 1136 persons affected by heavy rains were given Rs. 9.5144 lakh cash assistance and 317 families Rs. 9.50 lakh as housing assistance was paid. The following losses have been recorded in the district during this period.

Causes of Heavy Floods/Flood Heavy Rain History of last 5 years: -

1) Bharuch district is located in the southern part of Gujarat state. There are total 09 talukas in the district. The population is geographically large. While the district includes a total of 04 municipalities. Mainly from Bharuch district are (1) Narmada river, (2) Dhadhar river and small dams named Baldeva, Pingut and Dholi are located in the district.

2) In the year-2023, when there is heavy rain in the district and in the uplands, the continuous rain falling in the uplands due to the release of water from the dam for the said irrigation scheme and the date from Omkareshwar Dam. 16/09/2023 The water level of Narmada river in Bharuch district increased by 12.34 meters i.e. 40.47 feet due to continuous rise in the level of Sardar Sarovar Dam due to the release of water. Due to which 10 people have died in the district. Animal death has been 102. As many as 433 huts, partially damaged 1530 undamaged, 706 partially damaged undamaged, 2426 partially damaged undamaged, 49 completely damaged undamaged houses were affected by the flood.

3) In the year: 2024, Dhadhar river has crossed the alarming level of 102.30 feet on 30/08/2024 from 06:00 AM due to which the people of some villages of Amod and Jambusar were displaced for 5 days.

4) Total- 156 MM as on 03/09/2024 in Walia Taluka. Rain was recorded which led to evacuation of Chanderia,

Panasoli, Rajgarh thus total- 131 persons due to waterlogging.

5) Panjroli and Asarman villages of Hansot taluka have been flooded due to rain water in Keem river in Hansot taluka and a total of 166 people have been displaced.

Giving details of any major disaster/fire/flood/storm/earthquake during the year in brief note: -

1) EPEC Petrochem Solution Pvt Ltd located in Wagra Taluk of Bharuch District, Moje.Sambheti Sub.Wagra Dist.Bharuch. Incident occurred on 11/05/2024 due to bursting of galvanized water tank in the company. In which a total of two labourers, both natives of Uttarkhand, were killed.

2) On 03/12/2024 at Moje.Ankleshwar GIDC area of Ankleshwar taluka of Bharuch district chemical tank exploded while doing welding work at Detox India Pvt. Ltd., G.I.D.C., Ankleshwar. In which 4 (four) people died.

Flood Situation Photograph



X1.Affected villages/areas of Bharuch district according to the gauge of the Golden Bridge

No	Level at Golden Bridge					
	Foot	Cusec	Warning level		Danger level	
1	22.00	4,32,548	1	Bharuch Urban		
			2	Khalpiya		
			3	Sarfuddin		
3	24.00				1	Bharuch Urban
					2	Khalpiya
					3	Sarfuddin
4	25.00	6,34,521	4	Juna Kansiya		
5	26.00	7,02,669	5	Dashan Bet		
			6	Kabirwad Bet		
			7	Juna Chhapra		
			8	Koyali-Dhanturiya		
			9	Tariya-Bavali		
6	27.00				4	Juna Kansiya
7	28.00	8,66,507	10	Or	5	Dashan bet
			11	Patar	6	Kabirwad Bet
			12	Juna Tarsali	7	Juna Chhapra
			13	Juna Tothidra	8	Koyali-Dhanturiya
			14	Juna Pora	9	Tariya-Bavali

8	29.00	9,55,489	15	Shukltirth		
			16	Kadod		
			17	Juna Haripura		
9	30.00	10,29,287	18	Tavra Bet	10	Or
			19	Borbhatha Bet	11	Patar
			20	Juna Borbhatha	12	Juna Tarsali
			21	Indor	13	Juna Tothidra
			22	Juni Jarsad	14	Juna Pora
			23	Mota Vasana		
10	31.00	11,41,219	24	Pora	15	Shukltirth
					16	Kadod
					17	Juna Haripura
11	32.00	12,21,726	25	Ankleshwar	18	Tavra Bet
			26	Nana Vasna	19	Borbhatha Bet
					20	Juna Borbhatha
					21	Indor
					22	Juni Jarsad
					23	Mota Vasana
12	33.00	13,18,539	27	Shakkarpor	24	Pora
			28	Pungam		
			29	Juna Divi		
			30	Juna Diva		
13	34.00	14,23,876	31	Aalampura	25	Ankleshwar
					26	Nana Vasna
14	35.00	15,46,578	32	Bhalod	27	Shakkarpor
			33	Limodra	28	Pungam

			34	Hansot	29	Juna Divi
					30	Juna Diva
15	36.00	16,45,446			31	Aalampura
16	37.00	17,84,921	36	Nikora	32	Bhalod
			37	Dashan	33	Limodra
			38	Vadhvana	34	Hansot
17	38.00	19,04,975	39	Zanor		
			40	Mangleshwar		
			41	Velugam		
18	39.00	20,58,573	42	Sindhot	36	Nikora
					37	Dashan
					38	Vadhvana
19	40.00	21,89,220	43	Vadva	39	Zanor
			44	Sajod	40	Mangleshwar
			45	Vanakpore	41	Velugam
			46	Panetha		
			47	Kakalpur		
			48	Sarsad		
20	41.00	23,67,526	51	Uchediya	42	Sindhot
			52	Krushnapuri		
21	42.00	25,15,838			43	Vadva
					44	Sajod
					45	Vanakpore
					46	Panetha
					47	Kakalpur
					48	Sarsad

22	43.00	27,36,525	54	Karjan	51	Uchediya
					52	Krushnapuri
23	44.00	29,48,385	55	Zadeshwar		
24	45.00				54	Karjan
25	46.00				55	Zadeshwar

ANNEXURE- X Govt.Resoulution and Guideline

કુદરતી આપત્તિઓ (Natural Calamities) ને કારણે થતા માનવ મૃત્યુ / પશુ મૃત્યુ / ઈજા તેમજ સ્થાવર / જંગમ મિલકતને થતા નુકશાન માટે નાણાંકીય સહાય ચૂકવવાના સંકલિત ધોરણો બાબત.

ગુજરાત સરકાર,
મહેસુલ વિભાગ
ઠરાવ ક્રમાંક: સીએલએસ / ૧૦૨૦૧૨ / ૨૫૩ / સ.૩
સચિવાલય, ગાંધીનગર,
તારીખ : ૨૭ / ૦૪ / ૨૦૧૫

વંચાણે લીધા :-

- (૧) મહેસુલ વિભાગનો તા. ૨૧/૦૮/૨૦૧૦ નો ઠરાવ ક્રમાંક: સીએલએસ/૧૦૨૦૦૬/૧૨૪૧/સ.૩
- (૨) મહેસુલ વિભાગનો તા. ૨૦/૧૨/૨૦૧૦ નો પરિપત્ર ક્રમાંક: સીએલએસ/૧૦૨૦૦૬/૧૨૪૧(૧)/સ.૩
- (૩) મહેસુલ વિભાગનો તા. ૨૪/૧૦/૨૦૧૧ નો ઠરાવ ક્રમાંક: સીએલએસ/૧૦૨૦૦૬/૧૨૪૧/સ.૩
- (૪) મહેસુલ વિભાગનો તા. ૦૨/૦૪/૨૦૧૨ નો ઠરાવ ક્રમાંક: સીએલએસ/૧૦૨૦૦૬/૧૨૪૧/સ.૩
- (૫) ભારત સરકારનો તા. ૧૬/૦૧/૨૦૧૨ નો પત્ર ક્રમાંક ૩૨-૭/૨૦૧૧/ એન.ડી.એમ.-I
- (૬) મહેસુલ વિભાગનો તા. ૦૭/૦૮/૨૦૧૨ નો ઠરાવ ક્રમાંક: સીએલએસ/૧૦૨૦૧૨/૨૫૩/સ.૩
- (૭) ભારત સરકારનો તા. ૧૩/૦૮/૨૦૧૨ નો પત્ર ક્રમાંક ૩૨-૩/૨૦૧૦/ એન.ડી.એમ.-I
- (૮) ભારત સરકારનો તા. ૧૮/૦૮/૨૦૧૨ નો પત્ર ક્રમાંક ૩૨-૧૭/૨૦૦૮/ એન.ડી.એમ.-I
- (૯) ભારત સરકારનો તા. ૨૧/૦૬/૨૦૧૩ નો પત્ર ક્રમાંક ૩૨-૩/૨૦૧૩/ એન.ડી.એમ.-I
- (૧૦) મહેસુલ વિભાગનો તા. ૨૬/૦૮/૨૦૧૩ નો ઠરાવ ક્રમાંક સીએલએસ/૧૦૨૦૧૨/૨૫૩/સ.૩.
- (૧૧) ભારત સરકારનો તા. ૨૮/૧૧/૨૦૧૩ નો પત્ર ક્રમાંક ૩૨-૩/૨૦૧૩/ એન.ડી.એમ.-I
- (૧૨) મહેસુલ વિભાગનો તા. ૦૪/૦૭/૨૦૧૪ નો ઠરાવ ક્રમાંક સીએલએસ/૧૦૨૦૧૨/૨૫૩/સ.૩.
- (૧૩) મહેસુલ વિભાગનો તા. ૨૦/૦૮/૨૦૧૪ નો ઠરાવ ક્રમાંક સીએલએસ/૧૦૨૦૧૨/૨૫૩/સ.૩.
- (૧૪) ભારત સરકારનો તા. ૦૮/૦૪/૨૦૧૫ નો પત્ર ક્રમાંક ૩૨-૭/૨૦૧૪/ એન.ડી.એમ.-I

૧૨૨૪
૫૪/૧૨/૨૦૧૫ તા. ૫-૫-૨૦૧૫
૪૧ એમ.કે.કે.

આમુખ :-

રાજ્યમાં વિવિધ પ્રકારની કુદરતી આપત્તિઓને કારણે થતા નુકસાન માટે ઉપર વંચાણે લીધા ઠરાવોથી સહાયના ધોરણો અને સહાય ચુકવવાની પ્રક્રિયા તથા તેના અધિકારો આપવામાં આવ્યા છે. ભારત સરકારે સહાયના ધોરણોમાં કરેલ સુધારા ધ્યાને લઈ કુદરતી આપત્તિઓના પ્રકાર, સહાયના સુધારેલા ધોરણો, સહાય ચુકવવામાં વિસંગતતા નિવારવા રાખવાની કાળજી વગેરે બાબતોની સંકલિત સુચનાઓ બહાર પાડવી અનિવાર્ય જણાય છે.

ઠરાવ :-

રાજ્યમાં કુદરતી આપત્તિઓ જેવી કે, (૧) ભારે વરસાદ - પૂર (Heavy Rainfall - Flood), (૨) વાદળ ફાટવું (Cloud burst), (૩) વાવાઝોડું (Cyclone), (૪) દુષ્કાળ (Drought), (૫) ભૂકંપ / ત્સુનામી (Earthquake / Tsunami), (૬) જમીન ધસી જવી (Landslides), (૭) હિમપ્રપાત (Avalanches), (૮) કરાની વૃષ્ટિ (Hailstorm), (૯) ઠાર અને શીત લહેર (Frost and Cold wave), (૧૦) જીવાતનું આક્રમણ (Pest attack), (૧૧) આગ (Fire) વિગેરેથી થતા નુકસાન માટે સહાય મંજૂર કરવાના અધિકારો તથા સહાય મંજૂર કરવાની પ્રક્રિયા કાળજીપૂર્વકની વિચારણા કરી નીચે મુજબ અમલ કરવા આ સંકલિત ઠરાવ કરવામાં આવે છે.

ભારત સરકારે વંચાણે લીધેલ ક્રમ (૭) ના ઓફિસ મેમોરેન્ડમથી ઠાર અને શીત લહેરનો પણ કુદરતી આપત્તિમાં સમાવેશ કર્યો છે જે નીચે મુજબ છે.

ભારત સરકાર ના સંદર્ભ-૭ માં દર્શાવેલ પત્રથી ઠંડી / ઠાર / હિમપ્રપાત / હિમપ્રકોપ ને પણ કુદરતી આપત્તિ ગણવામાં આવેલ છે અને સહાય માટે નીચે મુજબના માપદંડ નક્કી કરવામાં આવેલ છે.

- (i) હિમપ્રપાત / હિમપ્રકોપ પ્રભાવિત વિસ્તારોમાં જ્યાં સામાન્ય સંજોગોમાં ૧૦° સે. કે તેથી ઉપરનું તાપમાન રહેતું હોય ત્યાં ૭° સે. થી વધુ નીચે તાપમાન જાય ત્યારે તથા
- (ii) જે વિસ્તારમાં ૧૦° સે. થી નીચે તાપમાન રહેતું હોય તેવા વિસ્તારોમાં ૫° સે. થી નીચું તાપમાન જાય ત્યારે,
- (iii) ઉપરોક્ત તાપમાન ભારત સરકાર ના હવામાન ખાતાની કચેરી એ જે તે વિસ્તાર માટે પ્રસારિત કરેલ તાપમાન ની તત્કાલિન સ્થિતિ માપદંડ તરીકે ધ્યાને લેવાની રહેશે.
- (iv) જે પ્રભાવિત વિસ્તારોમાં પાકને ૩૩% અને તેથી વધુ નુકસાન થયું હશે તેને દુષ્કાળ, કરા વૃષ્ટિ, જીવાત આક્રમણ અને અન્ય આપત્તિઓની જેમ સહાયને પાત્ર રહેશે. તે જ રીતે પશુ, મરઘાં વિગેરેને પણ ઠરાવેલ સહાય મળવાપાત્ર થશે.

કુદરતી આપત્તિઓ ને કારણે થતા માનવ મૃત્યુ અને ઈજા, સ્થાવર જંગમ મિલકતને નુકશાન, ખેડૂતો, માછીમારો, હસ્તકલા અને હાથશાળાના કારીગરોને થતા નુકશાન તથા પશુ મૃત્યુ સહાયના

સુધારવા ધોરણો.	
1	માનવ મૃત્યુ સહાય
	રૂ. ૪,૦૦,૦૦૦/-
2	નાશ / નુકશાન પામેલ કાચા / પાકા મકાનો / ઝુપડા મરામત સહાય
2.1	સંપૂર્ણ નાશ પામેલ મકાનો અને મોટું નુકશાન પામેલ મકાનો
	રૂ. ૯૫,૧૦૦/- પાકુ મકાન (સમતલ/સપાટ વિસ્તારમાં આવેલ)
	રૂ. ૧,૦૧,૬૦૦/- પાકુ મકાન (પર્વતીય વિસ્તારોમાં આવેલ-ઈન્ટીગ્રેટેડ એક્શન પ્લાન લાગુ હોય તેવા જિલ્લાઓ સહિત)
	રૂ. ૯૫,૧૦૦/- કાચા મકાન
	રૂ. ૧,૦૧,૬૦૦/- કાચા મકાન (પર્વતીય વિસ્તારોમાં આવેલ-ઈન્ટીગ્રેટેડ એક્શન પ્લાન લાગુ હોય તેવા જિલ્લાઓ સહિત)
2.2	આંશીક રીતે નુકશાન પામેલ કાચા / પાકા મકાનો (ઓછામાં ઓછું ૧૫% નુકસાન હોય તો જ મળવાપાત્ર)
	રૂ. ૫,૨૦૦/- પાકુ મકાન
	રૂ. ૩,૨૦૦/- કાચુ મકાન
	(ઉપરોક્ત રકમ ઉપરાંત બંને કિસ્સામાં રૂ. ૬,૦૦૦/- રાજ્ય સરકારના બજેટમાંથી મળવાપાત્ર રહેશે.)
2.3	નાશ / નુકશાન પામેલ ઝુપડા
	રૂ. ૪,૧૦૦/-
	(ઉપરોક્ત રકમ ઉપરાંત રૂ. ૩,૦૦૦/- રાજ્ય સરકારના બજેટમાંથી મળવાપાત્ર રહેશે.)
2.4	ઘર સાથે સંકળાયેલ કેટલ શેડ
	રૂ. ૨,૧૦૦/-
3	અપંગતાના કેસમાં સહાય (વ્યકિતદીઠ)
	રૂ. ૫૯,૧૦૦/- ૪૦% થી ૬૦% અપંગતામાં
	રૂ. ૨,૦૦,૦૦૦/- ૬૦% થી વધુ અપંગતામાં
4	ગંભીર ઈજાથી હોસ્પિટલમાં દાખલ થવાના કેસમાં
	રૂ. ૧૨,૭૦૦/- એક સપ્તાહથી વધુ સમય હોસ્પિટલમાં દાખલ રહે તો
	રૂ. ૪,૩૦૦/- એક સપ્તાહથી ઓછા સમય હોસ્પિટલમાં દાખલ રહે તો
5	દૈનિક રોકડ સહાય (કેશ ડોલ્સ)
	રૂ. ૬૦/- દૈનિક પુખ્ત વયના વ્યકિત માટે (વધુમાં વધુ ૩૦ દિવસ માટે, જરૂરિયાત જણાય તો પ્રથમ તબક્કામાં ૬૦ દિવસ સુધી લંબાવી શકાય તથા દુષ્કાળ કે જીવાત આક્રમણના

	(કિસ્સામાં સલોંગ ૬૦ દિવસ સુધી લંબાવી શકાય)
	રૂ. ૪૫/- બાળકદીઠ (વધુમાં વધુ ૩૦ દિવસ માટે, જરૂરિયાત જણાય તો પ્રથમ તબક્કામાં ૬૦ દિવસ સુધી લંબાવી શકાય તથા દુષ્કાળ કે જીવાત આક્રમણના કિસ્સામાં સલોંગ ૬૦ દિવસ સુધી લંબાવી શકાય)
6	કપડાં અને ધરવખરી સહાય
	રૂ. ૧,૮૦૦/- કપડાં સહાય (કુટુંબદીઠ)
	રૂ. ૨,૦૦૦/- ધરવખરી સહાય (કુટુંબદીઠ)
7	પશુ મૃત્યુ સહાય (પશુદીઠ)
7.1	દુધાળા પશુ
	રૂ. ૩૦,૦૦૦/- ગાય / ભેંસ / ઉંટ / ચાક વિગેરે માટે
	રૂ. ૩,૦૦૦/- ઘેટા / બકરા વિગેરે માટે
7.2	બીન દુધાળા પશુ
	રૂ. ૨૫,૦૦૦/- ઉંટ / ઘોડા / બળદ વિગેરે માટે
	રૂ. ૧૬,૦૦૦/- રેલ્લો(પાડો-પાડી) ગાયની વાછરડી / ગધેડો / પોની વિગેરે
8	મરઘાં મૃત્યુ સહાય
	રૂ. ૫૦/- પ્રતિપક્ષી વધુમાં વધુ રૂ. ૫૦૦૦/-પ્રતિ કુટુંબ ની મર્યાદામાં(પક્ષીનું મૃત્યુ કુદરતી આપત્તિના કારણે થયેલ હોવું જોઈએ)
9	કૃષિ સહાય
9.1	બે હેક્ટર સુધી જમીન ધરાવતા ખેડૂતોને સહાય
	રૂ. ૧૨,૨૦૦/- જમીન ધોવાણ માટે (પ્રતિ હેક્ટર)
	રૂ. ૧૨,૨૦૦/- પર્વતીય વિસ્તાર (પ્રતિ હેક્ટર)
	રૂ. ૧૨,૨૦૦/- કીશ કાર્મના ધોવાણ અને પુનઃ સ્થાપન રીપેરીંગ (પ્રતિ હેક્ટર)
	રૂ. ૩૭,૫૦૦/- પ્રતિ હેક્ટર લેન્ડસ્લાઈડીંગ કે નદીનું વહેણ બદલાવાના કારણે જમીન અંશતઃ નકામી બની ગયેલ હોય કે વહેણમાં દબાઈ ગયેલ હોય
9.2	બે હેક્ટર સુધી જમીન ધરાવતા ખેડૂતોને ઈનપુટ સબસીડી (૩૩% અને તેથી વધુ નુકશાનનાં કિસ્સામાં)
	રૂ. ૬,૮૦૦/- પ્રતિ હેક્ટર બિન પિયત (વાવેતર વિસ્તારની મર્યાદામાં)
	રૂ. ૧૩,૫૦૦/- પ્રતિ હેક્ટર પિયત (વાવેતર વિસ્તારની મર્યાદામાં અને રૂ. ૧૦૦૦/- થી ઓછી નહીં તેટલી સહાય)
	રૂ. ૧૮,૦૦૦/- પ્રતિ હેક્ટર બારમાસી પાક (વાવેતર વિસ્તારની મર્યાદામાં અને રૂ.

	૨૦૦૦/- ની ઘોષી નહીં તેટલી સહાય)
9.3	બે હેક્ટરથી વધારે જમીન ધરાવતા ખેડૂતો (પાકને ૩૩% અને તેથી વધારે નુકશાનના કિસ્સામાં) (વધુમાં વધુ ૨ હેક્ટરની મર્યાદામાં જ સહાય ચૂકવી શકાશે)
	રૂ. ૬,૮૦૦/- પ્રતિ હેક્ટર બિન પિયત (વાવેતર વિસ્તારની મર્યાદામાં)
	રૂ. ૧૩,૫૦૦/- પ્રતિ હેક્ટર પિયત (વાવેતર વિસ્તારની મર્યાદામાં)
	રૂ. ૧૮,૦૦૦/- પ્રતિ હેક્ટર બારમાસી પાક (વાવેતર વિસ્તારની મર્યાદામાં)
10	માછીમારોને થયેલ નુકશાન સહાય
	રૂ. ૪,૧૦૦/- અંશતઃ નુકશાન પામેલ હોડી રીપેરીંગ માટે
	રૂ. ૨,૧૦૦/- અંશતઃ નુકશાન પામેલ જાળી રીપેરીંગ માટે
	રૂ. ૯,૬૦૦/- સંપૂર્ણ નાશ પામેલ હોડી બદલવા માટે
	રૂ. ૨,૬૦૦/- સંપૂર્ણ નાશ પામેલ જાળી બદલવા માટે
	રૂ. ૮,૨૦૦/- (હેક્ટરદીઠ) ઈનપુટ સબસીડી મત્સ્યબીજ માટે
11	હસ્તકલા અને હાથશાળ કારીગરો માટે સહાય
	રૂ. ૪,૧૦૦/- નુક્સાન પામેલ સાધનોની ખરીદી માટે
	રૂ. ૪,૧૦૦/- નુક્સાન પામેલ કાચા / પાકા માલ સામાન માટે

ઉપર્યુક્ત ટેબલ મુજબની સહાય મંજૂર કરતી વખતે નીચેની સુચનાઓ ધ્યાને લેવાની રહેશે.

૧. મૃત્યુ સહાય :-

- (૧) મૃત્યુ પામેલ વ્યક્તિ દીઠ રૂ. ૪,૦૦,૦૦૦/- ની સહાય ચૂકવવાની રહેશે. આ રકમ SDRF માંથી ચૂકવવાની રહેશે. આ મૃત્યુ સહાય સરકારી કર્મચારી/રાહત કે બચાવ કામગીરી કરતા અન્ય કર્મચારી, કે જે રાહત કામગીરીમાં રોકાયેલ હોય તેમનું તે દરમિયાન મૃત્યુ થાય તો તેમને પણ મળવાપાત્ર રહેશે. આફત રાહત અંગેની મોકડીલ તથા તૈયારીની કામગીરી દરમિયાન પણ જો કોઈ કર્મચારીનું મૃત્યુ થાય તો તેને પણ આ સહાય મળવાપાત્ર રહેશે.
- (૨) નિર્દિષ્ટ કરેલી કુદરતી આફતને લીધે વિદેશમાં પોતાની જીંદગી ગુમાવનાર ભારતીય નાગરિક તથા ભારતીય સંઘ પ્રદેશમાં પોતાની જીંદગી ગુમાવનાર વિદેશી નાગરિકની બાબતમાં તેના કુટુંબને આ સહાય મળવાપાત્ર થશે નહીં.
- (૩) સક્ષમ અધિકારી દ્વારા મૃત્યુ કુદરતી આફતના કારણે થયું છે તેવું પ્રમાણપત્ર મેળવવાનું રહેશે.
- (૫) કુદરતી આપત્તિની સીધી અસરના કારણે મૃત્યુ થયેલ છે તે બાબતની તપાસ અને ખાતરી મહેસુલી તથા પોલીસ તંત્રએ કરવાની રહેશે.

- (૬) મૃત્યુ પામનાર દરેક કીસ્સામાં પોલીસ ફરીયાદ (એફ.આઈ.આર.) અથવા "બનાવની જાણવા જોગ નોંધ" પોલીસ સ્ટેશને થયાના રિપોર્ટની નકલ કેસની ફાઈલ સાથે રાખવાની રહેશે.
- (૭) પોસ્ટમોર્ટમ રીપોર્ટ રેકર્ડ પર લેવાનો રહેશે.
- (૮) મૃત્યુના સંજોગોનું રેકર્ડ બનાવવાનું રહેશે. જેમાં બનાવનું સ્થળ, ગામ, જેના અધિકાર ક્ષેત્રમાં છે તે ગામના સરપંચ, તલાટીસહ મંત્રી અથવા નગર પંચાયત, નગર પાલિકા અથવા મહાનગર પાલિકાના ચૂંટાયેલ સભ્ય, ચીફ ઓફીસર / વોર્ડ ઓફીસરનું કુદરતી આપત્તિની સીધી અસરને કારણે મૃત્યુ થયેલ છે તે બાબતેનું પ્રમાણપત્ર રેકર્ડ પર રાખવાનું રહેશે.
- (૯) મૃત્યુ સહાયની મંજૂરી અંગેનો આખરી નિર્ણય શહેરી વિસ્તાર માટે જિલ્લા કલેક્ટર અને ગ્રામ્ય વિસ્તાર માટે જિલ્લા વિકાસ અધિકારીની કક્ષાએ લેવાનો રહેશે.
- (૧૦) આ રકમ ચૂકવતી વખતે મરનાર વ્યક્તિ અથવા તેના વારસદારોની આવક, ધંધો, તેમને મળેલ અન્ય સહાય અથવા તેમના જીવન વિમાની વિગત વગેરે જેવી બાબતો ધ્યાનમાં લેવાની રહેશે નહીં.
- (૧૧) રાજ્ય સરકાર ધ્વારા સંપૂર્ણ કે અંશતઃ પ્રિમિયમથી ખેત મજૂરો, ખેડૂતો, વિદ્યાર્થીઓ, શ્રમીકો વિગેરેને વિમાનુ રક્ષણ પુરૂ પાડવામાં આવેલું હોય તો ત્યાં આ સહાયની રકમ ચૂકવ્યાની જાણ સંબંધિત જિલ્લા કક્ષાના અધિકારી જેવા કે જિલ્લા શિક્ષણાધિકારી / જિલ્લા ખેતીવાડી અધિકારીને કરવાની રહેશે.
- (૧૨) કોઈ વિશિષ્ટ સંજોગોમાં પોલીસ ફરીયાદ થયેલ ન હોય અથવા પોસ્ટ મોર્ટમ થયેલ ન હોય તો તેવા કેસો સંજોગો / પરિસ્થિતિને ધ્યાનમાં લઈ વર્ગ - ૧ ના જિલ્લા કક્ષાના અધિકારી મારફતે ઉપલબ્ધ રેકર્ડની ચકાસણી કરાવી આ મૃત્યુ કુદરતી આપત્તિઓના કારણે થયું છે પરંતુ વિશિષ્ટ સંજોગો / પરિસ્થિતિને લીધે પોલીસ ફરીયાદ / પોસ્ટ મોર્ટમ થયેલ નથી તેવા સંજોગોમાં માનવ મૃત્યુ સહાય ચૂકવવા અંગેનો નિર્ણય જિલ્લા કક્ષાની સમિતિએ લેવાનો રહેશે.
- (૧૩) કુદરતી આપત્તિઓના કારણે કોઈપણ વ્યક્તિ તથાઈ જવાથી અથવા ડુબી જવાના કારણે લાપતા થયેલ હોય અથવા લાશ મળતી ન હોય અથવા વણઓળખાયેલ રહેતી હોય તેવા કિસ્સામાં (દરિયામાં માછીમારી માટે ગયેલ માછીમારોના કિસ્સા સહીત) કુદરતી આપત્તિના સંજોગો ધ્યાને લઈ નીચે જણાવેલ જિલ્લા કક્ષાની કમિટીમાં સહાય ચૂકવવા અંગે નિર્ણય લેવાનો રહેશે.

(૧)	જિલ્લા કલેક્ટર	અધ્યક્ષ
(૨)	જિલ્લા વિકાસ અધિકારી	સભ્ય
(૩)	જિલ્લા પોલીસ અધિકારી	સભ્ય
(૪)	જિલ્લા સીવીલ સર્જન	સભ્ય
(૫)	જિલ્લાના નિવાસી અધિક કલેક્ટર	સભ્ય

- (૧૪) દરિયાઈ વાવાઝોડાના કારણે કોઈ માછીમારનું દરિયામાં ડૂબી જવાથી મૃત્યુ થાય તથા લાપતા થયેલ હોય તેવા કિસ્સામાં મૃત્યુ સહાય મંજૂર કરતી વખતે ભારતીય હવામાન ખાતાનો આ અંગેનો ચેતવણી રીપોર્ટ ધ્યાને લઈ તે પછી સહાય મંજૂર કરવા / નહીં કરવા બાબતે યોગ્ય નિર્ણય લેવાનો રહેશે. આ અંગેના કાગળો જિલ્લા મત્સ્યોદ્યોગ અધિકારીએ તૈયાર કરવાના રહેશે.
- (૧૫) સામાન્ય રીતે જે વ્યક્તિનું મૃત્યુ કુદરતી આપત્તિના લીધે વીજ કરંટ લાગવાથી થયેલ હોય તેવા કિસ્સામાં સહાયની રકમ મંજૂર કરી ચૂકવતા પહેલા સંબંધિત વીજ-જોડાણ અધિકૃત છે કે કેમ તેની ખાતરી કર્યા બાદ તથા વીજ-જોડાણ અધિકૃત અને કાયદેસર હોય તે અંગેનો રીપોર્ટ મેળવી તે પછી જ રાહત મંજૂર કરવાની રહેશે.
- (૧૬) રાજ્યમાં એક જિલ્લામાં રહેતા વ્યક્તિનું અન્ય જિલ્લામાં મૃત્યુ થયેલ હોય તો જે જિલ્લામાં મૃત્યુ થયેલ છે તે જિલ્લાના સક્ષમ અધિકારીએ તમામ રેકર્ડ તૈયાર કરી આ અંગે યોગ્ય નિર્ણય લઈ મૃત્યુ થયેલ વ્યક્તિનો જે જિલ્લામાં કાયમી વસવાટ હતો તે જિલ્લાના સક્ષમ અધિકારી મારફતે મૃતક વ્યક્તિના વારસદારોને સહાયનું ચૂકવણું કરવાનું રહેશે.
- (અ) નીચેના કિસ્સાઓમાં થયેલ મૃત્યુ કુદરતી આપત્તિથી થયેલ ગણાશે નહીં. તેથી આવા કિસ્સાઓમાં આ ઠરાવ હેઠળ મૃત્યુ સહાય મળવાપાત્ર થશે નહીં.
- (૧) નદી, તળાવ, જળાશય, વાંકળામા ન્હાવા પડેલ વ્યક્તિ ડૂબી / તણાઈ જાય તો.
 - (૨) તળાવ, નદી, કોતર કે જળાશયના કીનારે કપડાં વાસણ ધોવા કે અન્ય કામે ગયેલ હોય અને પગ લપસતા કે તણાઈ જવાના કિસ્સામાં.
 - (૩) નર્મદા કેનાલ કે અન્ય પ્રતિબંધિત વિસ્તારમાં પ્રતિબંધ હોવા છતાં ત્યાં ગયેલ હોય અને ત્યાં કોઈ કારણસર મરણ થાય તો.
 - (૪) નદી / નાળા તેમજ નીચાણવાળા વિસ્તાર વગેરેમાં પુર અંગે ચેતવણી આપી હોય અને સ્થળાંતર કરવા માટે વાકેફ કરવા છતાં તેનો અમલ ન કરે ને આવી જગ્યાએ અતિવૃષ્ટિ / પુર વગેરેમાં મૃત્યુ થાય તો.
 - (૫) નશો કરેલ વ્યક્તિનું મૃત્યુ થવાથી.
 - (૬) નદી / તળાવ / વાંકળા / જળાશય કીનારે પુરના પાણીની પરિસ્થિતિ જોવા કે અન્ય કારણસર જવાથી પગ લપસી જવાથી.
 - (૭) પુરના પાણીથી ઘેરાઈ ગયેલ વિસ્તારમાં માંદગીથી મૃત્યુ.
- (બ) મૃત્યુ સહાયની રકમના ચૂકવણાં બાબત :-
- (૧) મૃત્યુ સહાયના કેસ તથા અન્ય રાહતના કેસો કલેક્ટર / જિલ્લા વિકાસ અધિકારીશ્રીને મંજૂર કરવા અધિકૃત કરવામાં આવે છે.
 - (૨) આ સહાયની રકમ એકાઉન્ટ પેઈ ચેક / ડ્રાફ્ટથી ચૂકવવાની રહેશે.
 - (૩) આ સહાયની રકમ મરનાર વ્યક્તિના (૧) પતિ-પત્નિ (૨) માતા - પિતા (૩) પુત્ર - પુત્રી (પરણીત હોય તો પણ) જેવા સીધીલીટીના વારસદાર અને તે ન હોય તો

તેના કુટુંબના અન્ય સભ્યો કે જે મરનાર પર સંપૂર્ણ પણે આધારીત હતા તેમને જ (આ ક્રમમાં) સહાય ચૂકવવાની રહેશે. અન્ય કુટુંબીજનોની સંમતિ હોય તો આ રકમ એક જ વ્યક્તિને ચૂકવી શકાશે અથવા જરૂર જણાયે સંયુક્ત નામનો ચેક બનાવવાનો રહેશે. તે સિવાય અન્ય ઇસમોને આ સહાય ચૂકવી શકાશે નહીં.

- (૪) આ રાહત વ્યક્તિના મૃત્યુ પછી જેટલી ઝડપથી ચૂકવી શકાય તેટલી ઝડપથી ચૂકવવાની રહેશે. અને રાહત ચૂકવવામાં વિલંબ ન થાય તે જોવાની જવાબદારી સંબંધિત જિલ્લા કલેક્ટર / જિલ્લા વિકાસ અધિકારીની રહેશે.
- (૫) આ અંગેનું સંકલીત માસીક પત્રક જિલ્લા કલેક્ટરશ્રીએ રાહત નિયામકશ્રી ગાંધીનગરને દર માસે મોકલી આપવાનું રહેશે.

૨. અપંગતા અને માનવ ઈજા સહાય :-

- (૧) કુદરતી આપત્તિની સીધી અસરને કારણે થતી ઈજામાં શરીરનો કોઈ અવયવ કે આંખો ગુમાવવા માટે સિવિલ સર્જનનું અપંગતાનું પ્રમાણપત્ર ધ્યાને લઈ તેમજ નોર્મ્સમાં નિર્દિષ્ટ કર્યા મુજબ હોસ્પિટલાઇઝેશન માટે ઈજા સહાય ચૂકવી શકાશે.

૩. દૈનિક રોકડ સહાય (કેશ ડોલ્સ) :-

- (૧) કુદરતી આપત્તિઓનો ભોગ બનેલ કુટુંબ કે જેનો ખાધાખોરાકી / અનાજનો જથ્થો ધોવાઈ ગયેલ હોય/તણાઈ ગયેલ હોય અથવા જેમની આજીવિકા ગંભીર રીતે પ્રભાવિત થયેલ હોય અને જે રાહત શિબિરમાં ના રહેતા હોય તેવા કુટુંબને મંજૂર કરી ચૂકવી શકાશે.
- (૨) કુદરતી આપત્તિની ગંભીરતાના સંજોગો તપાસી આ નાણાકીય મર્યાદાની અંદર આ સહાય મંજૂર કરવાના અધિકાર જિલ્લા કલેક્ટર / જિલ્લા વિકાસ અધિકારીને અને તેઓ જે અધિકારીને સત્તા આપે તે અધિકારીને રહેશે.

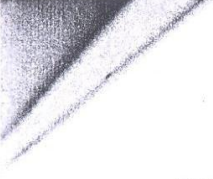
૪. કપડાં અને ઘરવખરી સહાય :-

- (૧) કુદરતી આપત્તિઓથી બે દિવસથી વધારે સમય માટે અસર ગ્રસ્ત રહેલ હોય અને જેના ઘર તણાઈ ગયેલ હોય, સંપૂર્ણ નાશ પામ્યા હોય, બે દિવસથી વધુ સમય સુધી પાણીમાં હોય તેવા નિરાધાર કુટુંબની વ્યક્તિઓનાં કપડા, વાસણો અને ઘરવખરીને નુકશાન થયું હોય તેવા કુટુંબને કપડાં સહાય રૂ. ૧,૮૦૦/- અને ઘરવખરી સહાય રૂ. ૨,૦૦૦/- ની પ્રાંત અધિકારી / નાયબ કલેક્ટર / નાયબ જિલ્લા વિકાસ અધિકારી અથવા કોઈ ચોકકસ કુદરતી આપત્તિને ધ્યાનમાં લઈ ચોકકસ સમય માટે અધિકૃત કરેલ જિલ્લાના અધિકારી આ સહાય મંજૂર કરી શકશે.

કેશ ડોલ્સ અને ઘરવખરીના સહાયના ચૂકવણા સમયે નીચેની બાબતો ધ્યાનમાં લેવાની રહેશે.

- (અ) આ સહાય મંજૂર કરતી વખતે અસરગ્રસ્ત કુટુંબની આવક, ધંધો, તેને મળેલ અન્ય સહાય, વિમો અથવા તેના કાયમી વસવાટનું સ્થળ અથવા મકાન બાંધકામ અધિકૃત છે કે નહીં વગેરે બાબતો ધ્યાનમાં લેવાની નથી.

- (બ) સંબંધિત અધિકારીએ આ સહાય મંજૂર કરતી વખતે સ્થાનિક પરિસ્થિતિ, કુટુંબને પડેલ મુશ્કેલી, કુદરતી આપત્તિની ગંભીરતા વગેરે ધ્યાને લઈને સૂચવ્યા મુજબ સહાય ચૂકવવાની રહેશે.
- (ક) રહેણાંકના વિસ્તારમાં પાણી ભરાયાની બાબત સ્થાનિક રેકર્ડ પર લાવવાની રહેશે.
- (ખ) અસર પામેલા વિસ્તાર નક્કી કરવાનો નિર્ણય સત્તા પ્રાપ્ત અધિકારીએ કરવાનો રહેશે.
- (ગ) નીચાણવાળા વિસ્તારોમાંથી સલામત સ્થળે રાહત કેમ્પોમાં ખસી જવા માટે પુરતી સૂચના અને સગવડ કરવામાં આવી હોય છતાં જે વ્યક્તિઓ આ રીતે સ્થળાંતર કરી ગયા ન હોય તેવા કિસ્સાને પાત્રતામાંથી બાકાત રાખવાના રહેશે.
- (ઘ) કેશડોલ્સ અને ઘરવખરીની પાત્રતા અંગે વખતો વખત બહાર પાડવામાં આવેલા ધોરણો પ્રમાણે સર્વે કરાવી પાત્રતા નક્કી કરવાની રહેશે.
- (ચ) સહાય વિતરણની વિગતોનું રેકર્ડ નિભાવવાનું રહેશે.
- (છ) સામાન્ય સંજોગોમાં આ સહાય એકાઉન્ટ પેઈ ચેક / ડ્રાફ્ટ ધ્વારા કુટુંબના વડાને ચૂકવવાનું રહેશે. પરંતુ સ્થાનિક સંજોગો ધ્યાનમાં લઈ આ સહાય નાણાં વિભાગના ઠરાવથી નક્કી કરેલ મર્યાદામાં રહીને રોકડ સ્વરૂપમાં બે સ્થાનિક જવાબદાર વ્યક્તિની હાજરીમાં ચૂકવવા સક્ષમ અધિકારી હુકમ કરી શકશે.
- (જ) આ સહાયની ચૂકવણી બનતી ત્વરાએ થાય તે જોવાનું રહેશે.
૫. નાશ પામેલ / નુકશાન પામેલ કાચા / પાકા મકાનો / ઝુંપડા સહાય :-
- (૧) સંપૂર્ણ નાશ પામેલા અથવા આંશીક નુકશાન થયેલા પાકા / કાચા રહેણાંકના મકાનને ખરેખર થયેલ નુકશાન અંગેના સર્વે ટીમના રીપોર્ટ ધ્યાનમાં લઈ સહાયની રકમ નક્કી કરવાની રહેશે.
- (૨) SARF સિવાયનો ખર્ચ રાજ્ય સરકારની ગ્રાન્ટમાંથી કરવાનો રહેશે.
- (૩) સહાય મંજૂર કરતી વખતે કાચા / પાકા મકાન અધિકૃત પરવાનગી લઈ બાંધેલ છે કે કેમ તે વિગત તપાસવી જરૂરી રહેશે. બિનઅધિકૃત બાંધકામના કિસ્સામાં કાચા / પાકા મકાનોની સહાય ચૂકવવાની રહેશે નહીં.
- (૪) મોજણી ટીમની રચના :- નાશ પામેલ/નુકશાન પામેલ કાચા/પાકા મકાનની મોજણી માટેની નીચે મુજબની સર્વે ટીમની રચના કરવાની રહેશે.
- (અ) સીનીયર કારકુનથી ઉતરતા દરજ્જાના ન હોય તેવા મહેસુલી / પંચાયત સંવર્ગના કર્મચારી / અધિકારી.
- (બ) અધિક મદદનીશ ઈજનેરથી ઉતરતા દરજ્જાના ન હોય તેવા ટેકનીકલ કર્મચારી / અધિકારી.
- (ક) જે તે ગામના તલાટી / તલાટી કમ મંત્રી.
- (ડ) મોજણી ટીમની રચનાના હુકમો કલેક્ટરશ્રી અને જિલ્લા વિકાસ અધિકારીની સંયુક્ત સહીથી કરવાના રહેશે.



- (ગ) મોજણી માટેના નિયત નમૂનામાં મળેલ અરજીપત્રકની વિગતો અંગે સ્થળ તપાસણી કરીને ટીમના તમામ સભ્યોશ્રીએ ચકાસણી રીપોર્ટમાં સહી કરવાની રહેશે.
- (ધ) મોજણી સ્થાનિક આગેવાનો, પંચોની હાજરીમાં કરવાની રહેશે અને તે અંગે પંચોની સહી મેળવવાની રહેશે.
- (ચ) મોજણી ટીમ નુકશાનના અંદાજો અંગે સ્વયં સ્પષ્ટ વિગતો દર્શાવી અંદાજીત નુકશાનની રકમ સહીત અભિપ્રાય આપવાનો રહેશે.
- (છ) મોજણી દરમિયાન નાશ પામેલ/નુકશાન પામેલ કાચા/પાકા મકાન / ઝુંપડાના માલિક સાથેનો તારીખ અને સમય દર્શાવતો પોસ્ટકાર્ડ સાઈઝનો ફોટોગ્રાફ સરકારી ખર્ચે મોજણી કોમે સાથે સામેલ કરવાનો રહેશે.
- (જ) મોજણી કર્યા બાદ તુર્તજ મોજણી ટીમના વડાએ મોજણીનો અહેવાલ સબંધિત મામલતદાર / તાલુકા વિકાસ અધિકારીને ચાદી બનાવી સૂપ્રત કરવાનો રહેશે.
- (ઝ) સક્ષમ અધિકારી એટલે કે, શહેરી વિસ્તારમાટે સબંધિત મામલતદાર અને ગ્રામ્ય વિસ્તારમાટે સબંધિત તાલુકા વિકાસ અધિકારીએ ટેકનીકલ કર્મચારીના સ્થળ નિરીક્ષણ પછી મકાનોને થયેલ ખરેખર નુકશાન તેમજ પંચનો અભિપ્રાય અને મોજણી ટીમનો નુકશાન અંગેના અહેવાલની વિગતો ધ્યાને લઈ સહાય મંજૂર કરવાના હુકમો કરવાના રહેશે.
- (ટ) બાંધકામની માલિકી અંગે કોઈ ઝઘડો અથવા વાદ વિવાદ હોય તો તે અંગે ઝડપથી ચોક્કસ જણાય તેવી તપાસ કરી ગુણદોષ આધારે સ્વવિવેક અનુસાર નિર્ણય લઈ ઈન્ડેમ્નીટી બોન્ડ લઈ અસરગ્રસ્ત મકાન માલિકને સહાયની રકમ ચૂકવવાની રહેશે.
- (ઠ) મકાન સહાયને રહેઠાણના મકાનો માટે જ ચૂકવી શકાશે.
- (ડ) ઝુંપડા સહાયમાં કેટલશેડ / ઝુંપડાના નાશ / નુકશાન માટેની સહાય અંગે ઝુંપડુ એટલે કે, કામ ચલાઉ, મેક શીફ્ટ એકમ, કાચા મકાનો કરતા નિમ્ન કક્ષાનું સાંઠાનું બનેલું, ગારો, પ્લાસ્ટીક શીટનું બનેલું, પરંપરાગત રીતે રાજ્ય સરકાર/જિલ્લા તંત્ર દ્વારા જાહેર નકકી થયેલ હોય તેવું ઝુંપડું.
- (પ) સરકારી કે પંચાયતની જમીનમાં દબાણ કરી બાંધવામાં આવેલ ઝુંપડા અતિવૃષ્ટિ/ભારે વરસાદથી સંપૂર્ણપણે નાશ પામેલ હોય તેમને નીચેની શરતો પરિપૂર્ણ કરવાની શરતે સહાય ચૂકવવાની રહેશે.
- (અ) પંચાયત કે સરકારી જમીનમાં દબાણ કરીને બાંધવામાં આવેલ અને અસરગ્રસ્ત થયેલ ઝુંપડાને પણ તેઓ દબાણ ખાલી કરે અને અન્ય જગ્યાએ વસવાટ કરે તે શરતે સહાય ચૂકવવાની રહેશે.
- (બ) નદી, તળાવ વગેરે જળાશયોના વિસ્તારમાં ગેરકાયદેસર બાંધવામાં આવેલ ઝુંપડા સંપૂર્ણપણે નાશ પામેલ હોય તો આવા અસરગ્રસ્તો આ જળાશયોના કીનારાથી ૧૦૦

મીટરની દુરની જગ્યાએ ખસી જાય અને નવી જગ્યાએ ઝુંપડા બનાવે તે શરતે સહાય ચૂકવવાની રહેશે.

- (૬) કાચા / પાકા મકાનો / ઝુંપડા સહાયની ચૂકવણી વખતે ધ્યાનમાં લેવાની બાબતો.
 - (અ) આ સહાય જે વ્યક્તિનું મકાન હોય કે જેણે ખર્ચ કરી બાંધેલ હોય તેને જ આપવાની રહેશે.
 - (બ) આ સહાય એકાઉન્ટ પેઈ ચેક / ડ્રાફ્ટ દ્વારા ચૂકવવાની રહેશે.
 - (ક) સહાય મંજૂર / ચૂકવણી કરતી વખતે કુટુંબની આવક, ધંધો, મકાન પરનો સરકારી વિમો કે અંગત રીતે લીધેલ વિમો, કુટુંબને અન્ય સહાય અથવા કુટુંબના કાયમી વસવાટનું સ્થળ વગેરે બાબતો ધ્યાનમાં લેવાની જરૂર નથી.
 - (ડ) સર્વે ટીમ દ્વારા કરેલ આકારણી આખરી ગણાશે તેમાં પુનઃ વિચારણાનો અધિકાર શહેરી વિસ્તાર માટે જિલ્લા કલેક્ટર અને ગ્રામ્ય વિસ્તારમાં જિલ્લા વિકાસ અધિકારીને રહેશે.
 - (ગ) સર્વે ટીમ દ્વારા મકાનની મોજણી કરાવ્યા બાદ મકાનની અંદાજવામાં આવેલ નુકશાનની રકમ મુજબની સહાય ચૂકવવાની રહેશે. ગ્રામ્ય / નગરપાલિકા / મહાનગરપાલિકા દ્વારા કરવામાં આવેલ આકારણી રજીસ્ટરમાં કિંમત / ભાડાના દરની જોગવાઈ મકાન ધરાવનાર વ્યક્તિની માલિકી અંગે ખાતરી કરાવવાના આશયથી તેમજ આકારણી વખતે કેટલું ભાડુ ઉપજી શકે તેમ છે તે મુજબનો મકાન વેરો નકકી કરવાનો મુખ્ય આશય હોય તે આકારણી ધ્યાનમાં લેવાની નથી પરંતુ સર્વે ટીમ દ્વારા કરેલ નુકશાનની આકારણી ધ્યાનમાં લેવાની છે.
 - (ઘ) સીમતળમાં આવેલ કે ગામતળમાં આવેલ ઝુંપડાને નુકશાન અંગે સહાય મંજૂર કરવાની રહેશે.

૬. હોર મૃત્યુ સહાય :-

- (૧) દુધાળા હોર
- (૨) બિન દુધાળા હોર
 - (૧) આ સહાય ખરેખર થયેલ નુકશાન, આર્થિક ઉત્પાદન કરતા ત્રણ મોટા દુધાળા હોર અથવા ૩૦ નાના દુધાળા હોર અથવા ત્રણ મોટા બિન દુધાળા હોર અથવા ૬ નાના બિન દુધાળા હોર પ્રતિ ઘર દીઠ સહાય સીમીત રહેશે.
 - (૨) રાજ્ય સરકારના સક્ષમ સત્તાધિકારીએ પ્રમાણિત કરેલ હશે તો જ આ સહાય મળવાપાત્ર થશે.

૭. મરઘા ઉછેર :-

- (૧) રૂ. ૫૦/- પ્રતિપક્ષી પરંતુ વધુમાં વધુ રૂ. ૫૦૦૦/- સુધી પ્રતિ લાભાર્થીદીઠ સહાય સીમીત રહેશે.
- (૨) પક્ષીનું મૃત્યુ જાહેર કરેલ કુદરતી આપત્તિથી થયેલ હોવું જોઈશે.
- (૩) રાજ્ય સરકારની અન્ય સરકારી યોજના હેઠળ સહાય મળવાપાત્ર થતી હશે તો આ ધોરણો હેઠળ સહાય મળવાપાત્ર થશે નહીં.

૮. કૃષિ : ખેત જમીન નુકસાન :-

(અ) બે હેક્ટર સુધીની જમીન ધરાવતા ખેડૂતોને સહાય :

(૧) જમીન ધોવાણ માટે :

- (અ) ત્રણ ઈંચ કરતા વધારે ધોવાણના કિસ્સામાં સહાય મળવા પાત્ર થશે.
- (બ) પર્વતીય વિસ્તારમાં ખેતીની જમીન પર પૂરના કારણે જમા થયેલ ઘન કચરો ફટાવવા માટે સહાય મળવા પાત્ર થશે.
- (ક) રાજ્ય સરકારની અન્ય યોજનામાંથી આપત્તિ માટે સહાય લીધેલ ન હોય તો જ આ સહાય મળવાપાત્ર રહેશે.
- (ડ) મહેસુલી રેકર્ડ મુજબ કાયદેસર રીતે જમીનની માલિકી ધરાવતા ખેડૂતોને જ સહાય મળવાપાત્ર થશે.

(૨) પાકને નુકસાન માટે સહાય :

૩૩% અને તે કરતાં વધારે પાક નુકસાનના કિસ્સામાં જ આ સહાય મળવાપાત્ર થશે.

(બ) બે હેક્ટરથી વધારે જમીન ધરાવતા ખેડૂતો માટે :

(૧) માત્ર પાકને નુકસાન માટે.

૩૩% અને તે કરતાં વધારે નુકસાનના કિસ્સામાં જ આ સહાય મળવાપાત્ર થશે.

૯. (અ) માછીમારોને થયેલ નુકસાન માટે :-

- (૧) રાજ્ય સરકાર પાસે રજીસ્ટર કરાવેલી હોડીના કિસ્સામાં જ તેમજ સંપૂર્ણ કે આંશિક નુકસાન રાજ્ય સરકારે જાહેર કરેલ સક્ષમ અધિકારી દ્વારા પ્રમાણિત કરેલ હોવું જોઈએ અને માછીમારે આ કુદરતી આપત્તિ વખતે અન્ય કોઈ સહાય કે સબસીડી લીધેલ ન હોય તો જ આ સહાય મળવાપાત્ર થશે.

(બ) મત્સ્યબીજ ફાર્મ માટે ઈનપુટ સબસીડી :

(૧) રાજ્ય સરકારની અન્ય કોઈ યોજના હેઠળ કુદરતી આપત્તિ વખતે અન્ય કોઈ સહાય કે સબસીડી લીધેલ ન હોય તો જ આ સહાય મળવાપાત્ર થશે.

૧૦. ગ્રામ્ય કારીગરો :-

પરંપરાગત હાથ કારીગરો માટે રાજ્ય સરકારના સક્ષમ સત્તાધિકારીએ સાધનોને નુકશાન અને સાધનો બદલવા માટે પ્રમાણિત કરેલ હશે તો જ સહાય મળવાપાત્ર થશે.

ક્રમાંક:- ૯,૧૦ અને ૧૧ માટેની સામાન્ય સૂચનાઓ:-

- (૧) ખેડૂતોને થયેલ નુકશાન બાબતનો સર્વે જિલ્લા વિકાસ અધિકારીશ્રીએ જ તે જિલ્લાના સંબંધિત જિલ્લા ખેતીવાડી અધિકારી, નાયબ ખેતીવાડી નિયામકશ્રી મારફત કરાવી તેની વ્યાજબી ચકાસણી ખરાઈ કરાવી આ ઠરાવના ધોરણો મુજબ મંજૂરી આપી મળવાપાત્ર સહાય લાભાર્થીઓને ચૂકવવાની રહેશે.
- (૨) માછીમારોને થયેલ નુકશાન બાબતે જિલ્લા વિકાસ અધિકારીશ્રીએ જિલ્લાના મદદનીશ નિયામકશ્રી (મત્સ્ય) અધિકારી મારફત સર્વે કરાવી તેની વ્યાજબી ચકાસણી ખરાઈ કરાવી આ ઠરાવના ધોરણો મુજબ મંજૂરી આપી મળવાપાત્ર સહાય લાભાર્થીઓને ચૂકવવાની રહેશે.
- (૩) ગ્રામ્ય કારીગરોને થયેલ નુકશાન બાબતે જિલ્લા કલેક્ટરશ્રીએ જિલ્લાના જિલ્લા ઉદ્યોગ કેન્દ્ર મારફત સર્વે કરાવી તેની વ્યાજબી ચકાસણી ખરાઈ કરાવી આ ઠરાવના ધોરણો મુજબ મંજૂરી આપી મળવાપાત્ર સહાય લાભાર્થીઓને ચૂકવવાની રહેશે.

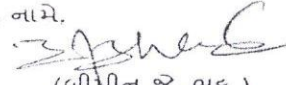
સામાન્ય સૂચનાઓ:-

- (૧) પરિશિષ્ટમાં જોડેલ ભારત સરકારના ગૃહ મંત્રાલયના તા. ૦૮/૦૪/૨૦૧૫નાં પત્ર ક્રમાંક ૩૨-૭/૨૦૧૪-NDM-1 ની માર્ગદર્શક સૂચનાઓ લાગુ રહેશે.
- (૨) જમીન ધસી પડવી, સ્થાનિક પ્રકારનું વાવાઝોડ જેવા કેસમાં કોઈ વ્યક્તિનું મૃત્યુ થાય / ઈજા થાય / માલ મિલકતને નુકશાન થાય તો આવા કેસો મંજૂર કરવા માટે મહેસુલ વિભાગની પૂર્વ મંજૂરી મેળવવાની થતી હતી જેના બદલે આ કેસો મંજૂર કરવાની સત્તા જિલ્લા કલેક્ટરશ્રીને આપવામાં આવે છે તેથી આ કેસોની સંપૂર્ણ ચકાસણી કરી આ ઠરાવની સહાયની જોગવાઈઓ ધ્યાને લઈ પોતાની સ્વવિવેકી બુધ્ધિ વાપરીને નિર્ણય કરી કેસો મંજૂર કરવાના રહેશે.
- (૩) આ ઠરાવની જોગવાઈઓ તા. ૦૧/૦૪/૨૦૧૫ ની પાશ્ચાતવર્તી અસરથી અમલમાં આવશે તથા આ તારીખ પહેલાના બનાવાના કેસોમાં રાહત ચૂકવણી અગાઉના ઠરાવોની જોગવાઈઓને આધિન રહીને કરવાની રહેશે.

- (૪) એસ.ડી.આર.એક.ના નોર્મ્સ મુજબ મળવાપાત્ર સહાયનો ખર્ચ પ્રથમ એસ.ડી.આર.એક. ફેકલ કરી ત્યારબાદ જો કોઈ વધારાની રકમ ચૂકવવાની થાય તો તે ખર્ચ ચૂકવણી ખર્ચ મુખ્ય સદર-૨૨૪૫ કુદરતી આપત્તિઓ અંગે સહાય પેટા મુખ્ય સદર-૦૨. પુર અને વાવાઝોડા સદર ખાતે ઉધારવાનો રહેશે અને જે તે નાણાકીય વર્ષમાં થયેલ જોગવાઈમાંથી મેળવવાનો રહેશે.
- (૫) જુદીજુદી કુદરતી આપત્તિઓમાં દર્શાવેલ જોગવાઈઓ મુજબ સહાય મંજૂર કરતી વખતે સ્થાનિક પરિસ્થિતિ, સ્થળ, સમય, સંજોગો જોઈને સહાય મંજૂર કરનાર અધિકારીએ વિવેકબુદ્ધિ વાપરી નિર્ણય લેવાનો રહેશે.
- (૬) શહેરી વિસ્તાર માટે જિલ્લા કલેક્ટર અને ગ્રામ્ય વિસ્તાર માટે જિલ્લા વિકાસ અધિકારીને આવી સહાય મંજૂર કરી ચૂકવવા માટે અધિકૃત કરવામાં આવે છે.
- (૭) આ સહાયના ધોરણોમાં ભારત સરકાર / ગુજરાત સરકાર વખતો વખત સુધારા / વધારા કરે તે આયોજાપ લાગુ પડશે.

આ હુકમો આ વિભાગના સરખા ક્રમાંકની કાઈલ પર નાણાં વિભાગની તા.૨૨/૦૪/૨૦૧૫ નાં રોજ મળેલ સંમતિ અને માન. મુખ્યમંત્રીશ્રીની સંમતિ મેળવીને બહાર પાડવામાં આવે છે.

ગુજરાતના રાજ્યપાલશ્રીના હુકમથી અને તેમના નામે,



(બીપીન જી. ભટ્ટ)

નાયબ સચિવ (રાહત)

મહેસુલ વિભાગ, ગુજરાત સરકાર.

વિડાણ:- પરિશિષ્ટ:-

૧. ભારત સરકારના ગૃહ મંત્રાલયના તા. ૦૮/૦૪/૨૦૧૫ના પત્ર ક્રમાંક: ૩૨-૭/૨૦૧૪/ એન.ડી.એમ.-I ની માર્ગદર્શક સુચનાઓ.

પ્રતિ,

- :- નામદાર રાજ્યપાલશ્રીના સચિવશ્રી, રાજભવન, ગાંધીનગર.
- :- માન. મુખ્યમંત્રીશ્રીના અગ્રસચિવશ્રી, સચિવાલય, ગાંધીનગર.
- :- તમામ માન. મંત્રીશ્રીઓ તથા રાજ્ય કક્ષાના મંત્રીશ્રીઓના રહસ્ય સચિવશ્રીઓ, સચિવાલય, ગાંધીનગર.
- :- સર્વે વિભાગના અધિક મુખ્ય સચિવશ્રી / અગ્રસચિવશ્રી / સચિવશ્રીઓ, સચિવાલય, ગાંધીનગર.
- :- માન. વિરોધપક્ષના નેતાશ્રી, ગુજરાત વિધાનસભા, સચિવાલય, ગાંધીનગર.
- :- મુખ્ય સચિવશ્રીના રહસ્ય સચિવશ્રી, સચિવાલય, ગાંધીનગર.

Annexure Y Cyclone Warning Signals

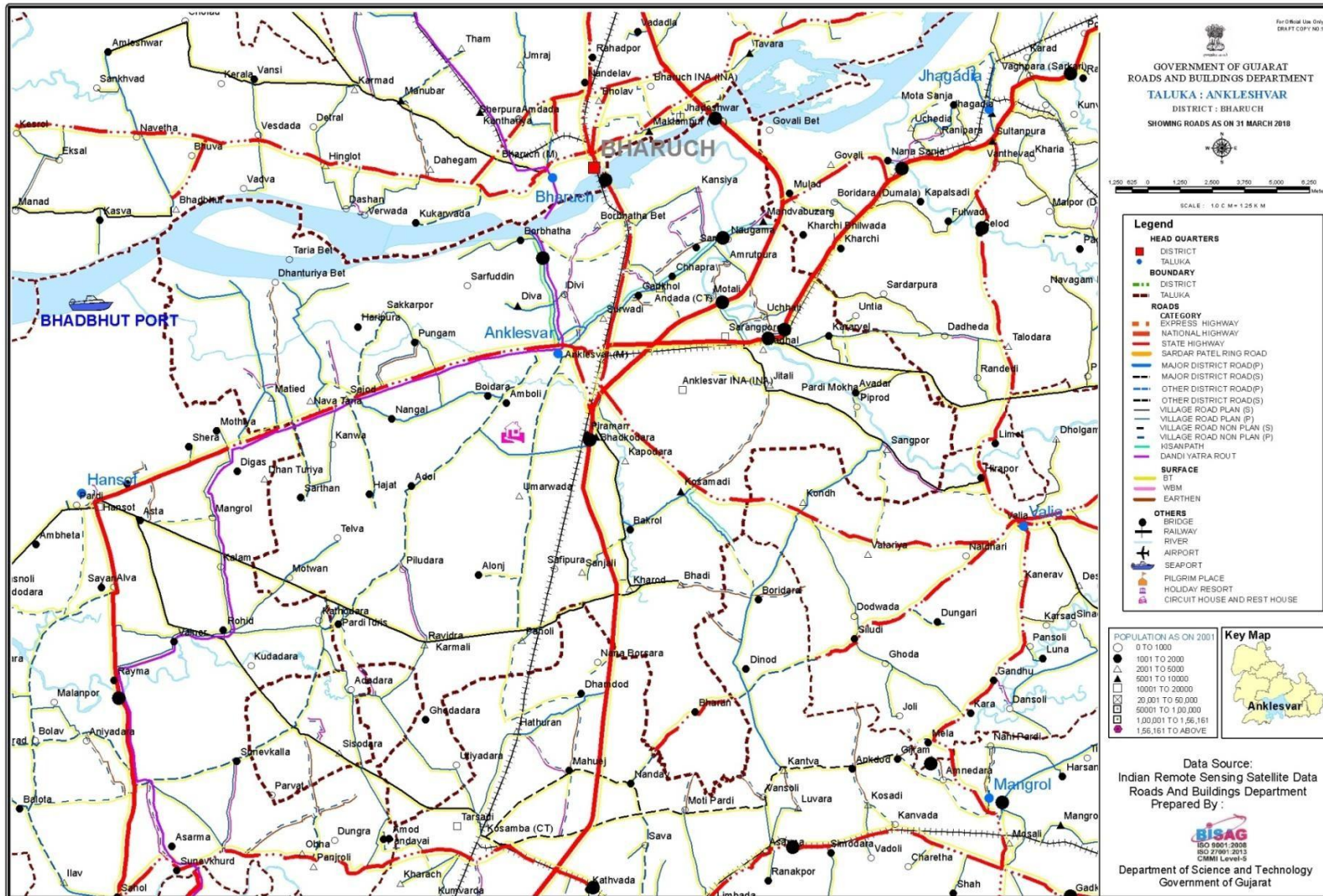
PORT STORM WARNING SIGNAL NO.	DAY SIGNAL	NIGHT SIGNAL	MEANING
1			<i>DISTANT CAUTIONARY (There is a region of squally weather in which a storm may be forming.)</i>
2			<i>DISTANT WARNING (A storm has formed.)</i>
3			<i>LOCAL CAUTIONARY (The port is threatened by squally weather.)</i>
4			<i>LOCAL WARNING (The port is threatened by a storm but it does not appear that the danger is as yet sufficiently great to justify extreme measures of precaution.)</i>
5			<i>DANGER (The port will experience severe weather from a cyclone expected to move keeping the port to the left of its track.)</i>
6			<i>DANGER (The port will experience severe weather from a cyclone expected to move keeping the port to the right of its track.)</i>
7			<i>DANGER (The port will experience severe weather from a cyclone expected to move over or close to the port.)</i>
8			<i>GREAT DANGER (The port will experience severe weather from a severe cyclone expected to move keeping the port to the left of its track.)</i>
9			<i>GREAT DANGER (The port will experience severe weather from a severe cyclone expected to move keeping the port to the right of its track.)</i>
10			<i>GREAT DANGER (The port will experience severe weather from a severe cyclone expected to move over or close to the port.)</i>
11			<i>FAILURE OF COMMUNICATIONS (Communications with the Meteorological Warning center have broken down and the local officer considers that there is danger of bad weather.)</i>

Annexure Z Bharuch District Taluka Map

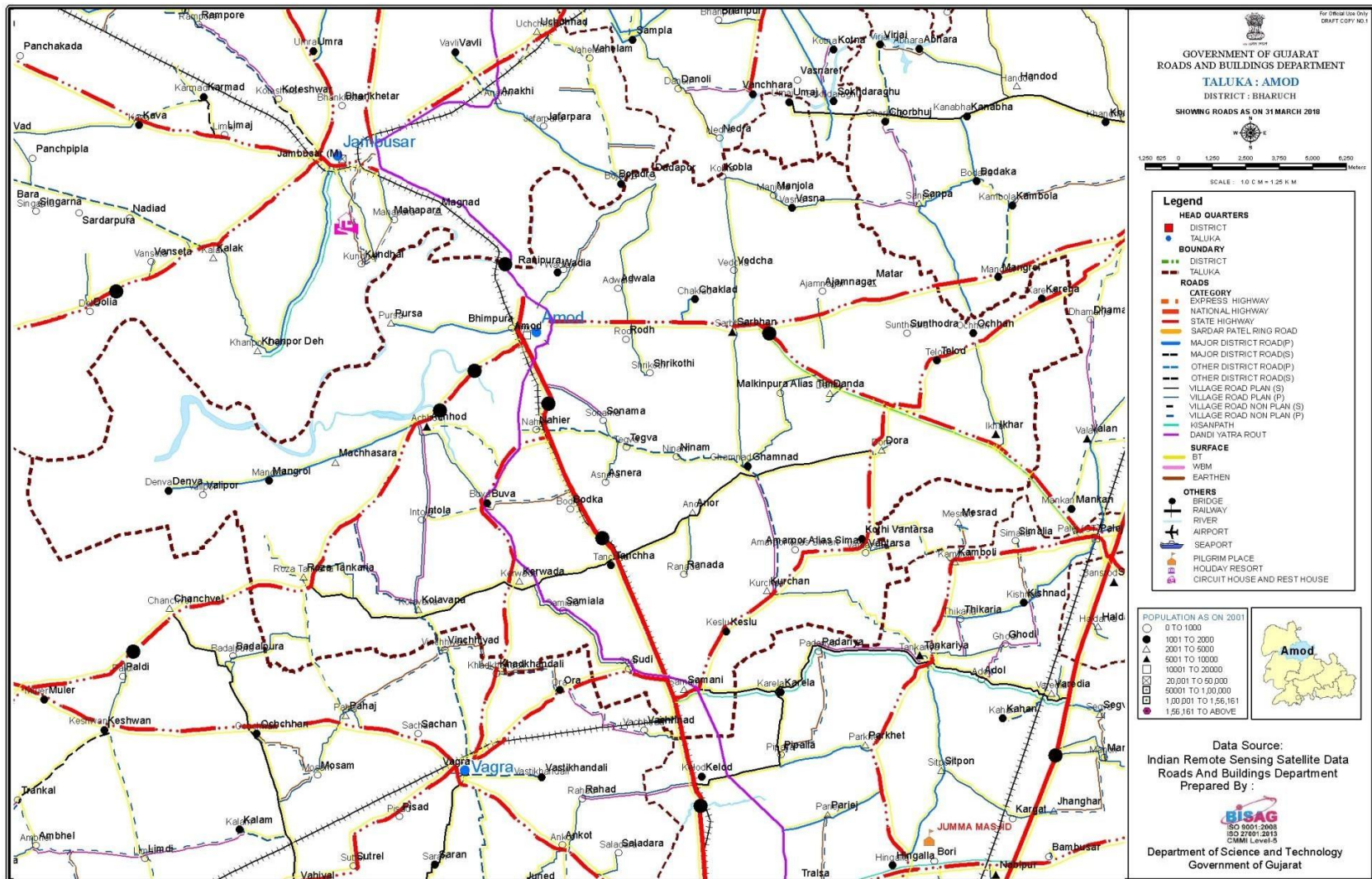
Annexure- Z1 Bharuch Taluka Map



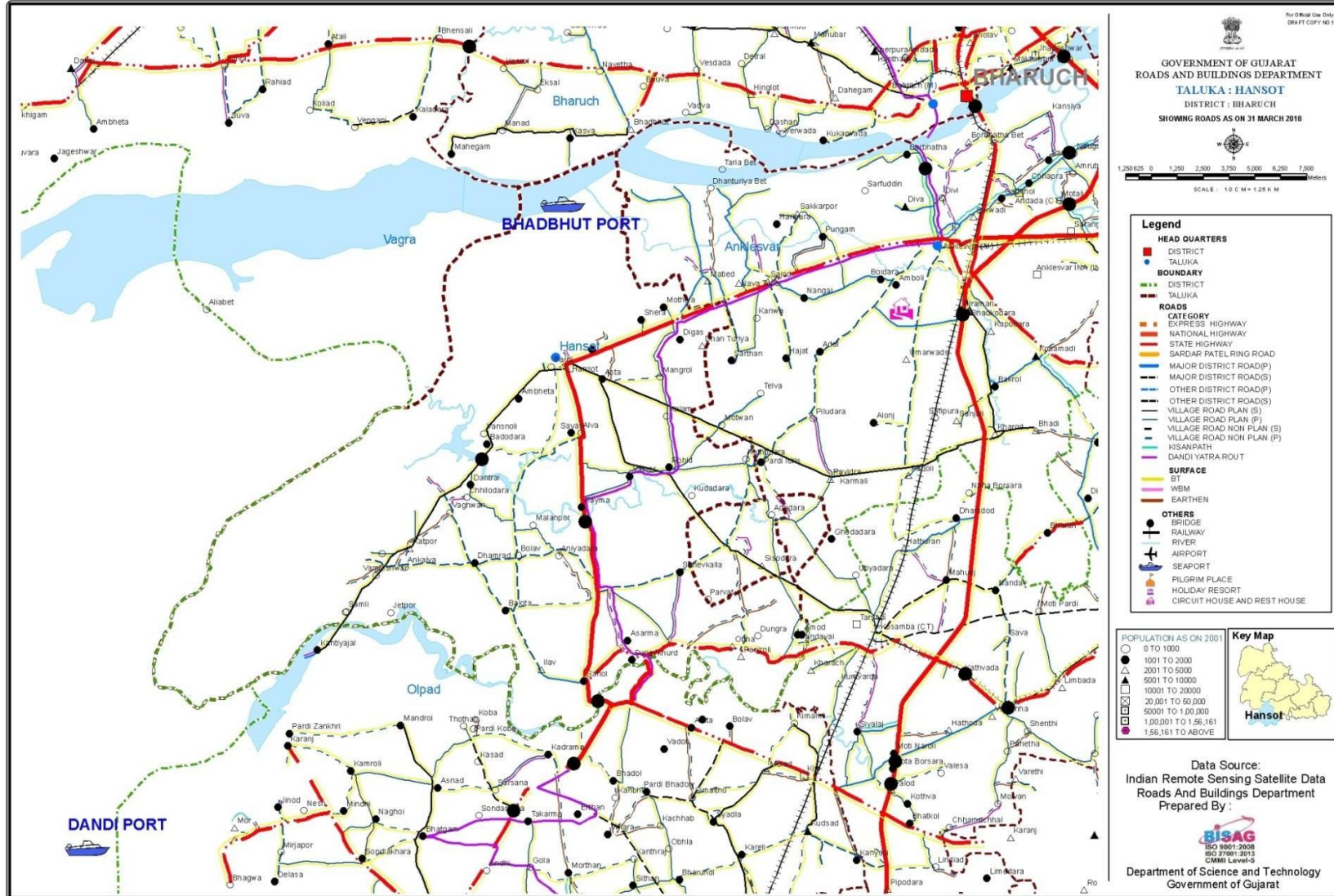
Annexure- Z2 Anklesvar Taluka Map



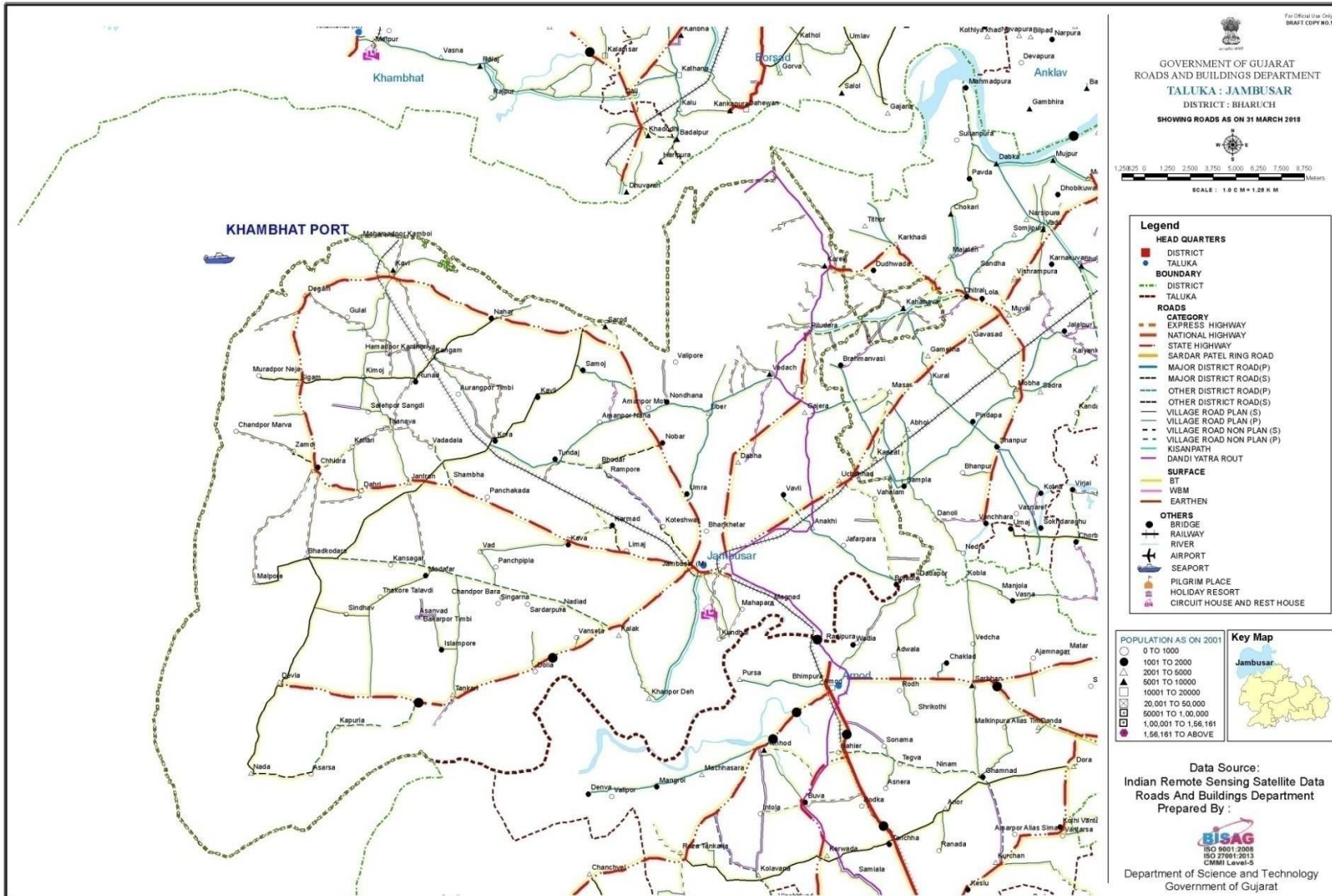
Annexure- Z3 Amod Taluka Map



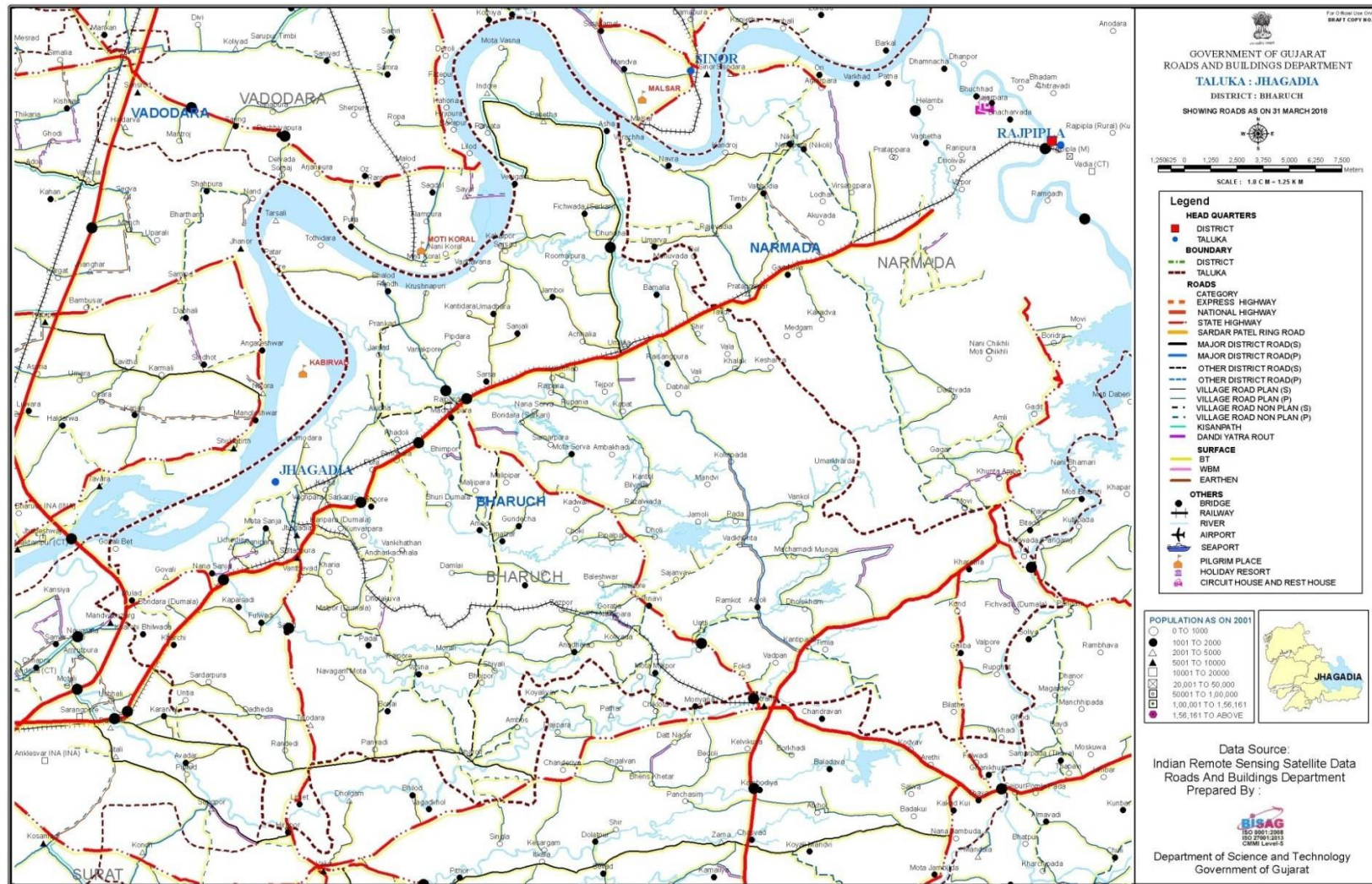
Annexure-Z4HansotTalukaMap



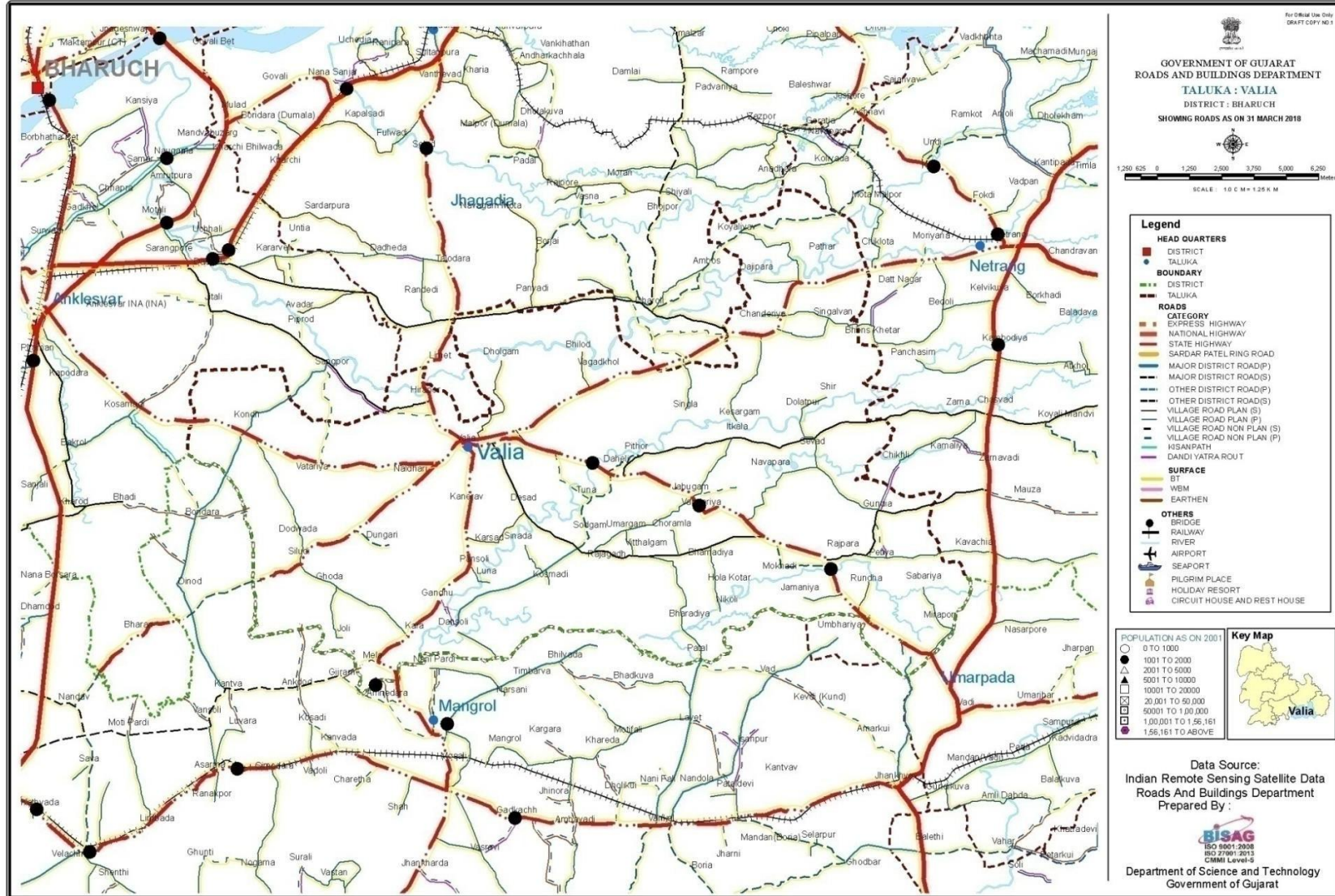
Annexure-Z5 Jambusar Taluka Map



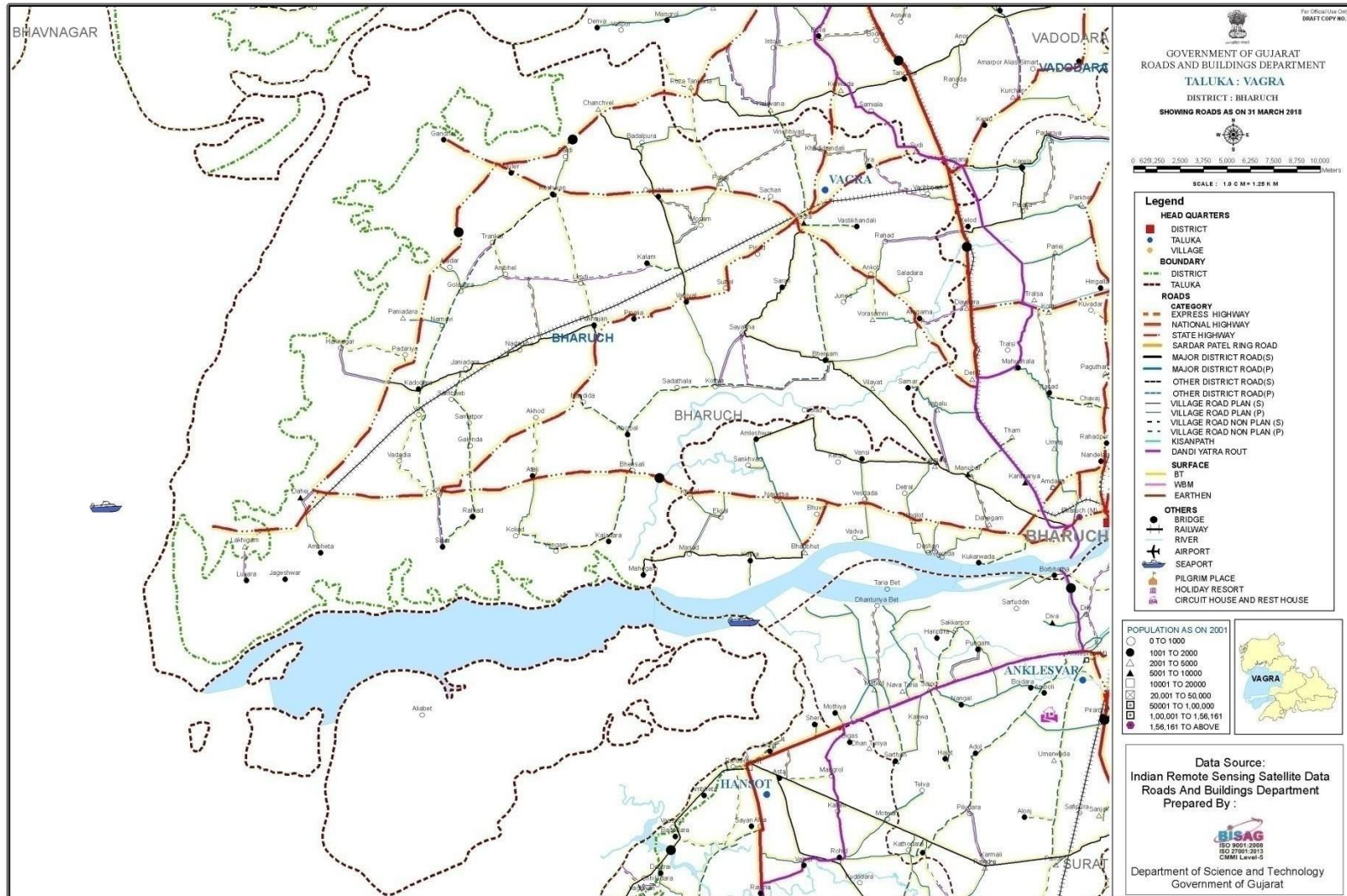
Annexure- Z6 Jhagadia Taluka Map



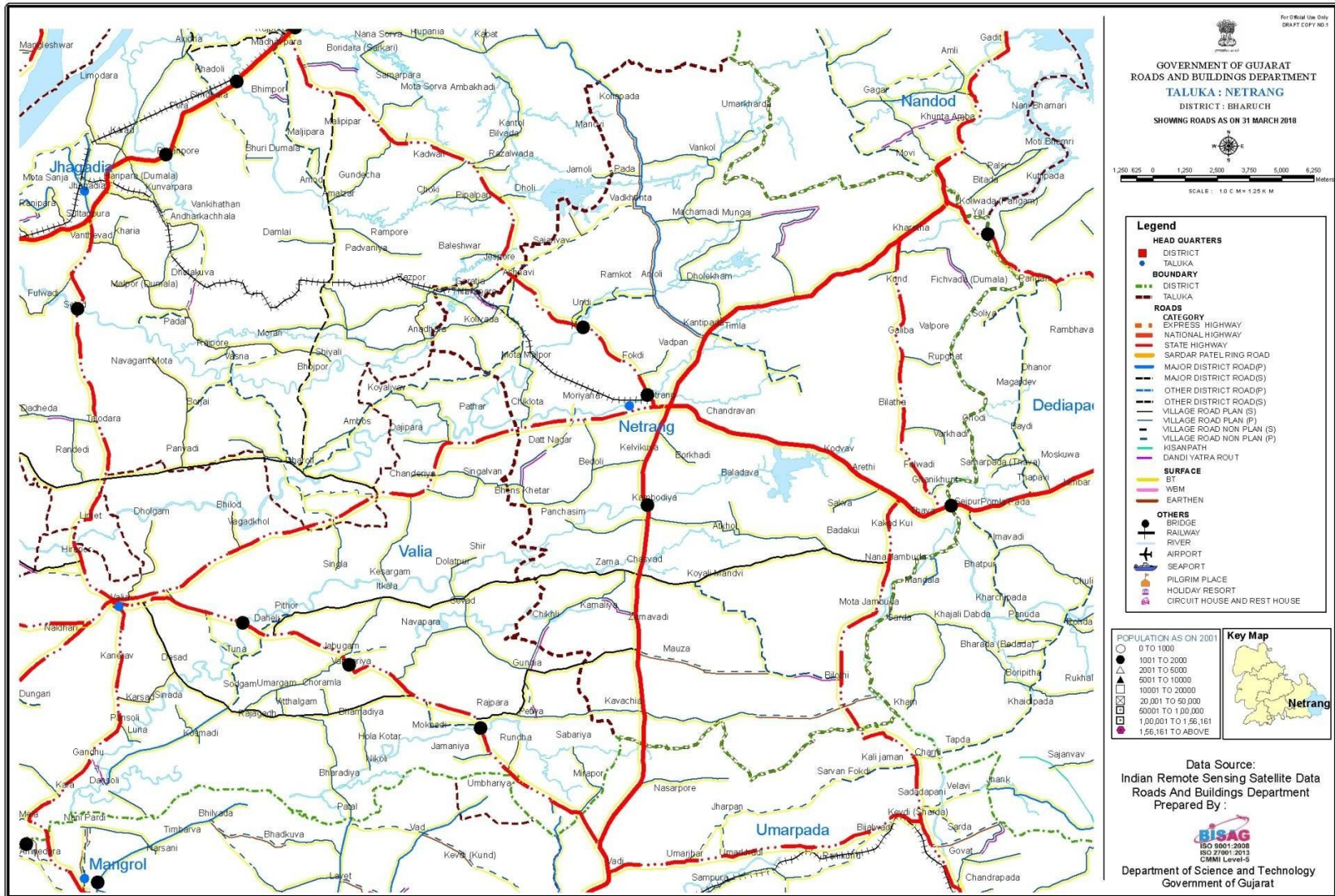
Annexure- Z7 ValiaTaluka Map



Annexure- Z8 Vagra Taluka Map



Annexure- Z9 Netrang Taluka Map



NETRANG TALUKA

