

# District Disaster Management Plan

Year- 2024 Sabarkantha

Part-II

Collector Office- Himantanagar



Courtesy :- GSDMA Gandhinagar





## **Introduction**

Disaster risk reduction must be an everyday concern for everybody. Due to natural and manmade disasters people are being tested time. As on today, it is observed that people of Gujarat are strong and bold to counteract disasters confidently.

In recent years, the Government of Gujarat has been giving increased focus towards the disaster management and related aspects. As a part of disaster risk management of all the villages, Taluka and city in the Sabarkantha district, district administration has prepared Disaster Management plan at respective levels and it is updated every year by authority.

The disaster management plan is a summary document giving the details about the hazards, its history, vulnerability analysis, risk assessment, flood management strategy and mitigation plan. It also outlines the flood response plan, warning system, communication system, search, rescue and relief operations and contingency plans. During the preparation of District Disaster Management plan, emergency contact details of health department, police department, fire departments etc have been updated.

I am elated by this Sabarkantha district disaster management plan as it has been developed in a consultative manner with constant inputs and feedbacks from all the stakeholders. This plan has moved beyond the reactive relief based approach and has a concise plan of action for different stakeholders at district risk reduction, emergency response and recovery. This district disaster management plan is a necessary document for reducing risk due to hazard and vulnerability. I hope this great document would be really helpful for life and properties as well as sustainable development in the future.



**N. N. Dave**  
**Collector, Sabarkantha**

<b>Index</b>		
<b>No.</b>	<b>Details</b>	<b>Page No.</b>
<b>1</b>	<b>Preface</b>	<b>9</b>
1.1	Objectives of District Disaster Management Plan	9
1.2	Approach and Guiding Principles	10
1.3	Dangers of Sabarkantha District	10
<b>2</b>	<b>Organizational structure and plan</b>	<b>13</b>
2.1	Organizational structure	15
2.2	Reference to the Act	16
2.3	Plan execution	17
<b>3</b>	<b>District 'S Details</b>	<b>18</b>
3.1	General information	19
3.2	Administrative detail	19
3.3	Demographic Information	21
3.4	Physical detail	22
3.5	Business activities	23
3.6	Infrastructure and essential services	24
<b>4</b>	<b>Hazard, Risk, Vulnerability and Capacity (HRVC) assessment</b>	<b>25</b>
4.1	Hazard assessment	25
4.2	Risk and Helplessness Assessment (current year assumption)	30
4.3	Capabilities Analysis	36
<b>5</b>	<b>Prevention and Mitigation Programs</b>	<b>40</b>
5.1	Structured measures for mitigation	41
5.2	Integrating DRR operations into developmental programmes	51
5.3	Transfer of Risk	53
5.4	Organizational planning	54
<b>6</b>	<b>Preparation for response</b>	<b>57</b>
6.1	Early Warning System (EWS) and Post Disaster Notifications	59
6.2	Advance arrangements	60
<b>7</b>	<b>Response plan</b>	<b>60</b>
7.1	List of Task Force	60
7.2	Functions of the Taskforce	61
7.3	VIP Protocol	69
7.4	Media Management	70
<b>8</b>	<b>Rehabilitation plan</b>	<b>70</b>
8.1	Making essential services and infrastructure operational	72
8.2	Promote livelihood	76



## Sabarkantha District Disaster Management Plan (DDMP) - 2024

8.3	Grievance Redressal Mechanism	78
9	<b>Capacity Building Plan</b>	79
10	<b>Finance and Budget</b>	83
11	<b>District Disaster Management Committee</b>	85
12	<b>Disaster Risk Reduction Post-2015</b>	86
	<b>Appendices</b>	
1	<b>General of the district</b>	
2	<b>Classification of Risk and Susceptibility</b>	88
3	<b>Information about boats and ferry</b>	91
4	<b>Detail of Minor Irrigation Scheme</b>	92
5	<b>List of villages affected by flood water</b>	97
6	<b>Detail of road connecting dam site</b>	101
7	<b>Detail of Major Irrigation Scheme And Officer's Contact List</b>	103
8	<b>List of villages along the river</b>	104
9	<b>List of rescue equipment</b>	105
10	<b>Sabarmati Gas Limited Structure and Map</b>	106
11	<b>Information on equipment available with municipalities</b>	108
12	<b>District Leval Officer's Contact list</b>	109
13	<b>Health Communication</b>	111
14	<b>Health District Key Officer and THO</b>	114
15	<b>Private Hospital</b>	114
16	<b>List of Voluntary Organizations</b>	115
17	<b>Ambulance and 108 Service Information</b>	115
18	<b>Key Equipment</b>	116
19	<b>List of wireless sets</b>	117
20	<b>Aapda Mitra 2018</b>	119
21	<b>Aapda Mitra 2019</b>	120
22	<b>Resource inventory</b>	122
23	<b>Tools provided by GSDMA</b>	125
24	<b>Directory</b>	127
25	<b>List of Swimmer Home Guard</b>	128
26	<b>UGVCL</b>	129
27	<b>Maps</b>	130



## List of Abbreviations

AIDS	Acquired Immune Deficiency Syndrome
APMC	Agricultural Produce Market Committee
AE	Assistant Engineer
ATI	Administrative Training Institute
ATS	Anti Terrorist Squad
ATVT	Apno Taluko Vibrant Taluko
BPL	Below Poverty Line
CBO	Community Based Organization
CHC	Community Health Center
CRF	Calamity Relief Fund
CSO	Civil Society Organization
DCG	District Crisis Group
DDMA	District Disaster Management Authority
DDMP	District Disaster Management Plan
DDO	District Development Officer
DEOC	District Emergency Operation Centre
DGVCL	Dakshin Gujarat Vij Company Limited
DISH	Directorate of Industrial Safety and Health
DM	Disaster Management
DPO	District Project Officer
DRM	Disaster Risk Management
DRR	Disaster Risk Reduction
DSP	Deputy Superintendent of Police
Dy. Eng.	Deputy Engineer
Dy- SP	Deputy Superintendent of Police
EMRI	Emergency Management & Research Institute
ESR	Elevated Surface Reservoir
EWS	Early Warning System
Ex. Eng.	Executive Engineer
FCI	Food Corporation of India
FPS	Fair Price Shop
FWP	Food for Work Program
GDCR	General Development Control Regulation
GIDM	Gujarat Institute of Disaster Management
GLR	Ground Level Reservoir



## Sabarkantha District Disaster Management Plan (DDMP) - 2024

GMB	Gujarat Maritime Board
Gol	Government of India
GPs	Gram Pranchayats
GPCB	Gujarat Pollution Control Board
GSDMA	Gujarat State Disaster Management Authority
HFA	Hyogo Framework for Action
HHs	Households
HPC	High Powered Committee
HQ	Head Quarter
HRVC	Hazard, Risk, Vulnerability and Capacity
IAY	Indira Aawas Yojana
ICS	Incident Commander
ICS	Incident Command System
IDNDR	International Decade for Natural Disaster Reduction
IEC	Information Education Communication
ISDR	International Strategy for Disaster Reduction
IWMP	Integrated Watershed Management Program
MAH	Major Accident Hazard
MGNREGA	Mahatma Gandhi National Rural Employment Guarantee Act
MGNREGS	Mahatma Gandhi National Rural Employment Guarantee Scheme
MHA	Ministry of Home Affairs
MLA	Member of Legislative Assembly
mm	Milli Meter
MP	Member of Parliament
NAPCC	National Action Plan on Climate Change
NCC	National Cadets Corps
NCCF	National Calamity Contingency Fund
NDM	National Disaster Management
NDMA	National Disaster Management Authority
NDRF	National Disaster Response Force
NDRF	National Disaster Response Force
NEC	National Executive Committee
NFSM	National Food Security Mission
NGO	Non Government Organization
NIDM	National Institute of Disaster Management
NRDWP	National Rural Drinking Water Program
NRHM	National Rural Health Mission
NSS	National Swayam Sevak
NYK	National Yuva Kendra
PDS	Public Distribution System
PHC	Primary Health Center



## Sabarkantha District Disaster Management Plan (DDMP) - 2024

PI	Police Inspector
PMGY	Pradhan Mantri Gramodyan Yojna
PRIs	Panchayati Raj Institutions
R & R	Recovery & Reconstruction
R&B	Roads & Buildings
RTO	Regional Transport Office
SC	Scheduled Caste
SDM	State Disaster Management
SDMA	State Disaster Management Authority
SDRF	State Disaster Response Fund
SDRN	State Disaster Response Network
SE	Superintending Engineer
SEOC	State Emergency Operation Centre
SEZ	Special Economic Zone
SHGs	Self Help Groups
SMC	School Management Committee
SMS	Short Message Service
SOP	Standard Operating Procedure
SRPF	State Reserve Police Force
SRT	Special Response Team
SSA	Sarva Shiksha Abhiyan
ST	Scheduled Tribe
Supt. Eng.	Superintendent Engineer
SWO	Social Welfare Officer
TDMA	Taluka Disaster Management Authority
DDMC	Taluka Disaster Management Committee
DDMP	Taluka Disaster Management Plan
TDO	Taluka Development Officer
TIO	Taluka Information Officer
TNA	Training Needs Assessment
TSC	Total Sanitation Campaign
TSO	Taluka Supply Officer
ULB	Urban Local Body
UNDP	United Nations Development Programme
UNFCC	United Nations Framework Convention on Climate Change
VDMP	Village Disaster Management Plan
VIPs	Very Important Persons
VVIPs	Very Very Important Persons
WASMO	Water and Sanitation Management Organization



## 1. Introduction

A district is an important administrative unit for preparedness, prevention and response measures in times of crisis, disaster and emergency. Districts can play an important role in disaster management through the participation of local institutions, and state service and infrastructure support. Integrating disaster risk reduction activities into development programs at the district level can reduce the impact of disasters by combining important activities such as disaster preparedness, prevention and capacity building with existing development programmes. As, Pur Integrated watershed development programme, MNREGA, can be linked to control, drought prevention and mitigation of storm hazards. Sanitation can be brought to the rural level by strengthening health services under the Indira Awas Yojana, building safe housing, the National Rural Health Mission and the Complete Sanitation Campaign. The existing District Disaster Management Plan has been prepared as per Gujarat State Disaster Management Act 2003, and State Disaster Management Policy 2002.

### 1.1 Objectives of District Disaster Management Plan (DDMP).

District Disaster Management Plan will help in planning and implementing district level disaster management activities. The main objectives of which are;

1. To identify vulnerable and vulnerable areas, population and properties.
2. To identify and mobilize resources required for disaster management.
3. To notify district level authorities and functions of various departments.
4. To provide support for mutual coordination between various departments and authorities
5. Suggest concrete measures for preparedness, response, prevention, and mitigation
6. To identify needs for capacity building of the authority and community
7. To suggest context for mainstreaming development programs (DRR) in planning

## **1.2 Approach and Guiding Principles**

- Preparation of District Disaster Management Plan (DDMP) with reference to Guiding principles of Gujarat Disaster Management Act 2003, National Disaster Management Act 2005.
- Taking into account humane principles of people's participation, decentralized self-governance, gender equality, social justice, human rights and social inclusion in preparing the District Disaster Management Plan (DDMP).
- Prepare District Disaster Management Plan (DDMP) Taluka Disaster Management Plan (TDMP) and Village Disaster Management Plan (VDMP) in a complementary and complementary manner.
- District Disaster Management Plan (DDMP) should help in making action plans for various hazards. In this plan, the aspects of pre-preparedness, prevention, resistance should be noted separately and specific tasks assigned to different departments.

## **1.3 District Disaster Management Plan About Sabarkantha**

### **Process**

To prepare the disaster management plan of Sabarkantha district, initially the plan of Sabarkantha district for the year 2024 was studied. A preliminary meeting was held at the district level in which the planning sheet and checklist were reviewed.

## **Sabarkantha District'S Hazard Point**

Sabarkantha district is situated in the North East direction of Gujarat state. The district got its name Sabarkantha from the name of the Sabarmati river flowing in the west in this district. The district headquarters is Himatnagar. There were 13 talukas in the district but now there are 8 talukas due to the existence of new Aravalli district. KhedBrahma taluka has been divided in the district and new Poshina taluka has been implemented mainly black and sandy.Land Since there is no, the main crops here are cotton and pulses. Sabarmati, Harnav, Hathmati rivers pass through this district, so there are chances of floods and storms in monsoon. The risk of industrial accident is common in this district. Irregularity of rainfall leads to frequent shortages and drought conditions. The district has suffered the effects of continuous droughts during the 1970s to 1980s. District Khedbrahma, Vijayanagar drought is likely. Due to the rivers like Sabarmati, Harnao, Hathmati Guhai in the district there is a full potential of flooding. 32 such villages have been identified in the district. This plan has been prepared by DDMC which will be implemented by various departments under the leadership of the Collector. National Highway no. 8 passes through this district. Happens so referred to chemicals This highway is considered dangerous for transportation from Delhi to Mumbai. In the past, acid tanker overturned at Shamlaji killed about 15 people. This highway stretches from Majra in the district to Shamlaji-Ratanpur. As many as 126 places in the district have been identified as accident-prone zones, since submergence in Harnao river at Polo in Vijayanagar taluka of the district so far.

In view of the fact that around 10 people have died last 10 year, the district collector were alerted the irrigation department and Prant Officer to prepare a separate action plan to prevent such incidents from happening permanently in such places so that no incidents will occur in the rainy season of 2024.

### Accident prone areas

- **Himatnagar Taluka** ::- Motipura Circle, Sabar dairy, Sahakari jin, , Sai Mandir, Vaktapur, Prempur, Mahavir nagar Chowkdi, Katwad Patia, Gambhoi-Kesarpura Chowkdi, Gambhoi Chowkdi.
- **Prantij Taluks**:- Vadrud Talod Road, Balisna Road
- **Idar Taluka** :-Barela Lake Idar, Badoli, Barwawa deep, Ladbavji mandir, Mohanpura, Gambhirpura, Rani Lake, Kukdia Bridge, Chitroda, Umedgad, Hinglajpump.
- **Vijayanagar**:- Ranichokadi, Sanga Petrol Pump, Samaria patia
- **Talod**:- Harsol, Demgar Talav, Ujjedia, Salatpur, Badodara, Doltabad, Dalani muwadi
- **Khed Brahma**:- Bus Stand, Matoda, Kheroj Chowkdi, Ghati, Sabarmati Bridge Kheroj

## 2. Organizational structure and plan

### 2.1 Organizational Structure

The following departments are actively working in the disaster management process. To include the representatives of these departments in the disaster management committee

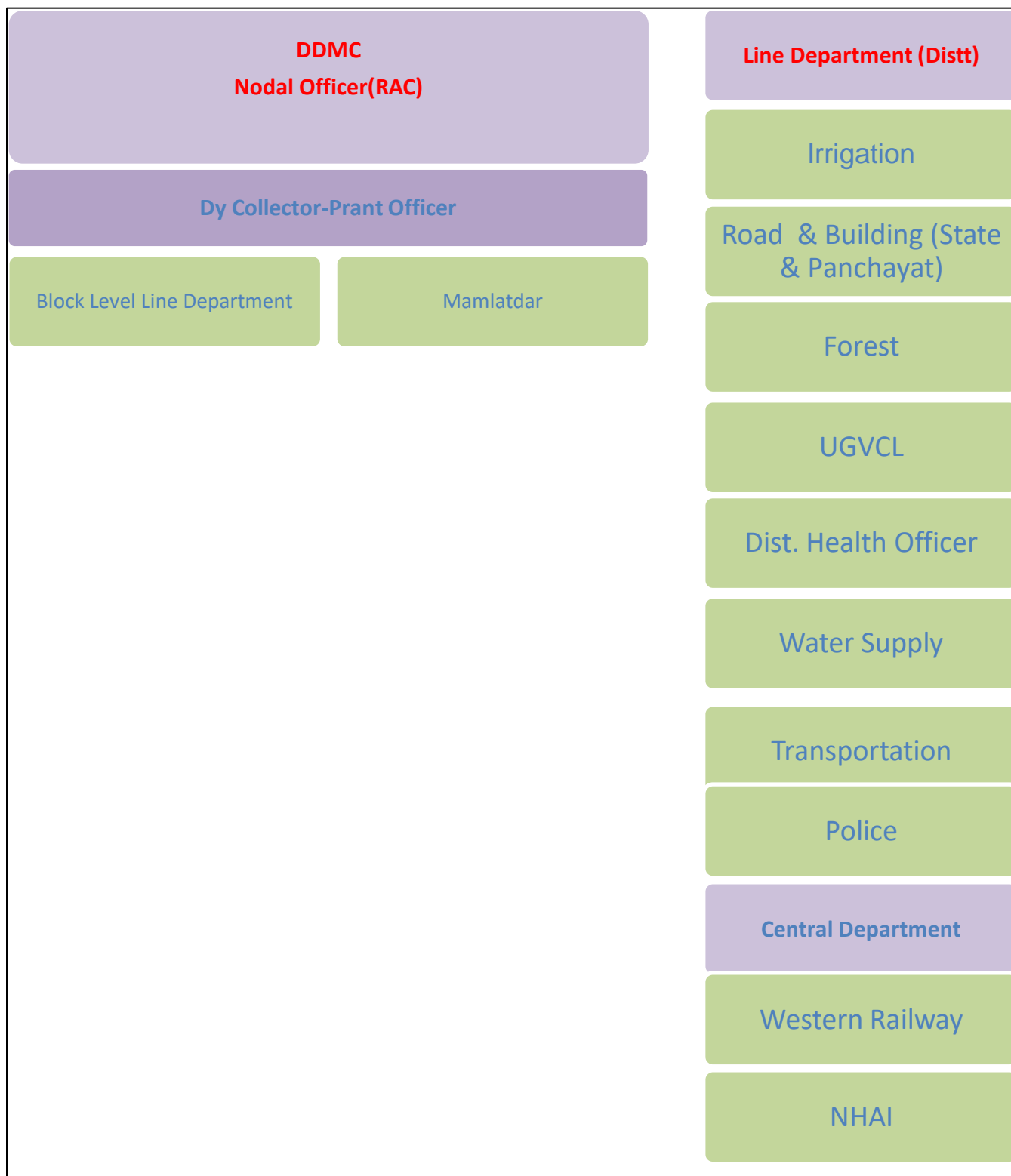
No.	Designation	Tasks for disaster management
1	Collector	Management of entire disaster management activities
2	Resident Additional Collector Shri/ Nodal Officer	Assist in key co-ordination and management.
3	President, District Panchayat,	Co-ordinating with all departments at district level for execution of operations.
4	Deputy Collector	Assisting Nodal Officers in coordination and management.
5	District Development Officer	Coordinating and making arrangements for operations with the Collector.
6	Executive Engineer - Roads and Buildings (State)	Supervising road and building related works. Especially damage assessment, planning of repairs, safety audit etc.
7	Executive Engineer - Roads and Buildings (Panchayat)	To supervise road and building related works in rural areas.
8	Executive Engineer (Irrigation)	To supervise and manage the works relating to dams, reservoirs, canals and other irrigation structures and properties.
9	Executive Engineer (UGVCL)	Supervise and manage electricity services and its properties.
10	Executive Engineer (Water Supply)	To supervise and manage water supply services and its properties.
11	General Manager - BSNL	To supervise and manage telecommunication services and its properties.
12	District Health Officer (CDHO)	Monitoring and coordination of health services, emergency services, drug supply and health care facilities
13	Superintendent of Police	Ensuring safety, security, and law and order of citizens.
14	District Education Officer	Monitoring educational activities during disaster.
15	District Godown Manager-Public Supply Corporation	Arrange for delivery of food supplies and other essential materials in pre-disaster preparedness and during disaster.



<b>16</b>	<b>Port Officer</b>	<b>To provide logistical support for disaster management activities in collaboration with local authorities. To make arrangements for the safety of the people working in the port area.</b>
<b>17</b>	<b>District Conservator of Forests</b>	<b>Providing logistic and technical support to local authorities. To monitor the security of forest department and forest area properties.</b>
<b>18</b>	<b>Chairman-Social Justice</b>	<b>Monitoring of relief and rehabilitation operations and monitoring of social justice system.</b>
<b>19</b>	<b>MLA</b>	<b>To make efforts to facilitate disaster management operations by solving political and administrative problems. To motivate people for cooperation and coordination</b>
<b>20</b>	<b>Member of Parliament</b>	<b>Coordination with State and Central Government on policy issues</b>
<b>21</b>	<b>Two women representatives from District Panchayat</b>	<b>Support district system in disaster management Focus on women's issues and gender justice.</b>
<b>22</b>	<b>Two representatives of civil society organizations</b>	<b>Coordinating with local authorities to reach maximum number of people for operations like early warning etc. Enhancing community involvement and participation in disaster management activities. To advise the Government on appropriate approach in various disaster management programmes.</b>
<b>23</b>	<b>One representative from each religious organization</b>	<b>Helping to communicate important information to the public in collaboration with the authorities, guiding people for cooperation and helping to maintain an atmosphere of peace and harmony in the society during disasters.</b>
<b>24</b>	<b>Two representatives of trade associations</b>	<b>To provide logistical support to the Government and other agencies in collecting and distributing relief materials to the people during the crisis and to ensure that there is no hoarding and price escalation during this time.</b>



## Institutional Structure of District Disaster Management



## **2.2 Reference to the Act.**

Making a disaster management plan is mandatory under the Gujarat Disaster Management Act 2003 and the National Disaster Management Act 2005. Furthermore, the National Disaster Management Authority has issued instructions and guidelines to each state for preparing a disaster management plan.

As per Gujarat Disaster Management Act 2003 Chapter 6 Section 15, Sub-Section (1,2 and 3) prescribes formulation of guidelines for disaster management plan and strategy in the functions of the Authority.

1. As per the National Disaster Management Act 2005, the State Authority has to formulate a policy and plan on disaster management as per sub-section (1,2 and 3) in section 18 of this act.

The District Disaster Management Plan shall take into account the techno-legal perspective of the District and State authorities and other Acts and policies of the Government. Periodically changing policies, regulations should be reviewed and necessary amendments should be made.

## **Provision for operationalizing the plan**

As per Chapter 13, Section 32 of the Gujarat Disaster Management Act, 2003, necessary provision has been prescribed in the management plan for declaring any area as disaster prone or disaster prone. These provisions are as follows;

Where a disaster has occurred or there is a threat of disaster

A. If this area is spread over more than one district, the Commissioner and B. If spread in one district only, Collector Shri Satware will send its report to the State Government. State Government based on this report through Government Notification or widely disseminated

Issue notification through news papers regarding declaration of disaster or potential disaster. Concerned Authorities (State Authorities, Commissioners, Collectors, Departments and other agencies) from the time of declaration till the end or extend the period.

In the meantime, he will perform his duties with reference to disaster management. Commissioners, Collectors and heads of agencies may postpone or cancel their day-to-day functions in view of the calamity. Any particular district or any in one or two districts In case of danger or disaster, the Provincial Officer and/or the Collector may declare the area of the district as disaster prone or disaster prone with the coordination of the concerned district authorities.

## 2.3 Plan Maintenance (Annual)

The District Disaster Management Committee will revise the plan from time to time based on the experiences and lessons learned and the increased capacity at the district level to deal with disasters.

Key lessons learned from past disaster experiences and mock drills (Planning, Implementation, Fulfillment)	Amended or proposed	Remarks
Mockdrill after major infrastructure works	Make quick changes	Irrigation ponds, multistoryed buildings etc
In talukas like Poshina and Vijayanagar, there is a need for continuous monitoring of water bodies and check dams.	Irrigation Department and Road and Building Department to work in coordination	

Prepared by: DDMC Sabarkantha

Approved and Certified by : Nodal Officer Sabarkantha

### **3. District**

#### **3.1 General Information**

Sabarkantha District is situated in North Eastern part of Gujarat State. The administrative headquarters of the district is Himatnagar, about 80 km from Ahmedabad.

Sabarkantha District is surrounded by Rajasthan state to the northeast, Banaskantha and Mehsana districts to the west, Gandhinagar to the south and Aravalli District to the South - East.

Sabarmati River flows on western border of Sabarkantha district. The district is situated between 23.03 N latitude and 24.30 N latitude & 74.43 E longitudes to 73.39 E longitudes. The "Tropic of Cancer" passes through Sabarkantha district. The total area of the district is 5390 Sq.km. North – Eastern part of the district is covered by the rows of "Aravalli" hills. Sabarmati, Meshwo, Vatrak, Hathmati, Mazum, Vaidi, Harnav, Khari are main rivers in the district.

District has a population of 14,73,673 as per last census 2011. District is divided in 4 Revenue Sub-Divisions & 8 Talukas. There are 6 Municipalities in the District. Poshina, Khedbrahma & Vijaynagar Talukas are mainly tribal Talukas. These Talukas are hilly and forest areas. Remaining Talukas are mainly flat areas. Patel's & Darbar's are major groups of communities in the district. However Dungari garasiya is the dominant community among tribal's.

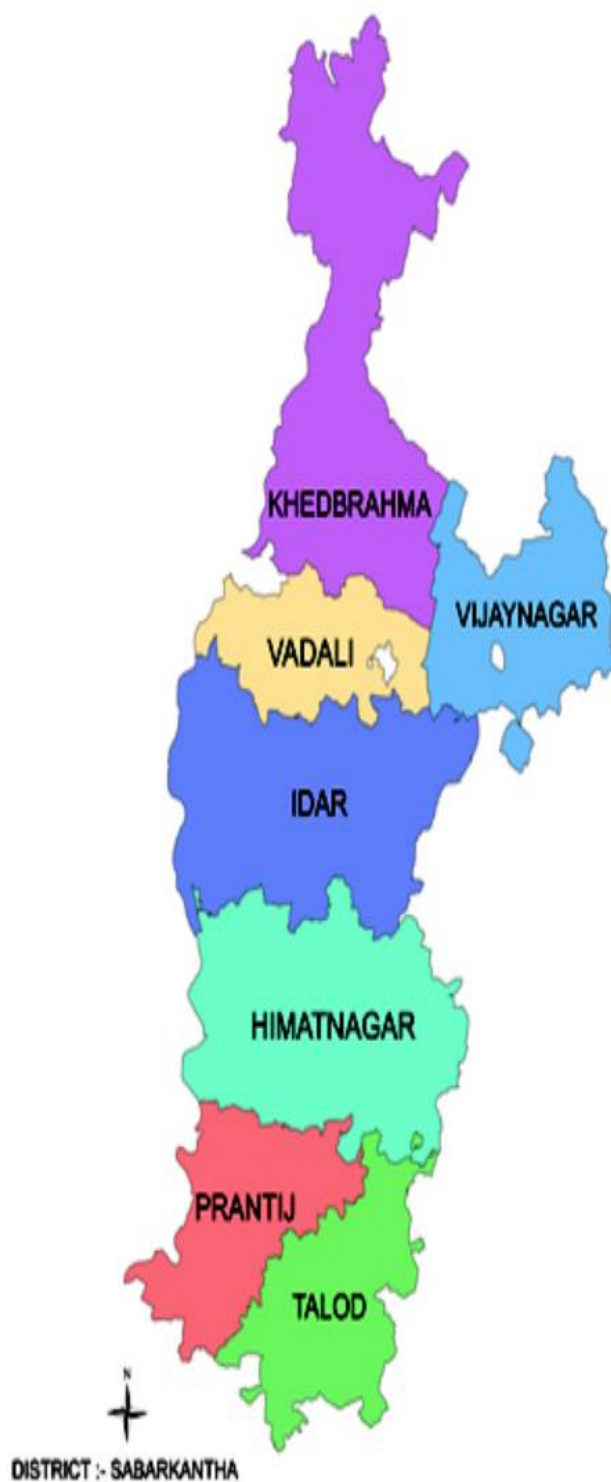
#### **3.2 Administrative Details**

Distance between District Headquarter and State Headquarter (km) : 60 km.

Distance to Nearest Districts (km):

- A. Mehsana 55 km.
- B. Gandhinagar 60 km.
- C. Aravalli 55 km.
- D. Banaskantha 60 km.

## Location and Administrative MaP





### 3.3 Demographic Information

Name of Taluka	No. of Panchayats	Number of villages	Number of families	Population	SC	ST	Bpl	In Literacy%
Himatnagar	108	153	53886	325669	33848	6668	16.31	76.40
Idar	112	145	53489	393802	42306	14344	7.59	72.10
Khedbrahma	44	79	52538	165881	8696	220964	30.35	42.30
Prantij	66	70	34077	161279	23596	13190	6.03	72.80
Talod	73	74	29929	154424	11874	464	12.87	68.80
Vadali	40	55	20391	86899	11216	3693	10.12	67.50
Vijaynagar	42	86	23183	103895	4879	81509	20.80	67.20
<b>poshina</b>	<b>17</b>	<b>59</b>	<b>131611</b>	<b>131611</b>	<b>0</b>	<b>0</b>	<b>1.20</b>	<b>1.20</b>
<b>Total</b>	<b>502</b>	<b>721</b>	<b>267493</b>	<b>1173734</b>	<b>136415</b>	<b>340832</b>	<b>14.86</b>	<b>66.70</b>

#### census Subject information

Villages	Gram panchayat	Family	SC Family	ST Family	OBC Family	BPL Family
721	502	267493	136415	340832	37449	38541

(source : census 2011)

Literacy rate

Literacy rate	(census 2011): Total : 66%, Male : 69%, Female: 65%
Male Female Ratio	913

### 3.4 Physical Information Water source, mine and mountains

Perennial rivers	Sabarmati river
A seasonal river	Harnav, Hathmati
Dam/ lake	Harnav-2 Vanaj Dam, Guhai Dam, Jawanapura dam, Karol Dam, Khedva Dam
Sea shore	0 km
Mine	
A major mountain area	Idar, Vijayanagar and KhedBrahma
Natural flow direction	North to South

### Climate and season

Average <b>annual</b> rainfall	<b>885 M.M. Last 5 years</b>
Annual Rainfall (Year 2023)	<b>892 M.M.. (courtesy : SEOC –Revenue Department )</b>
<b>Annual average rainy days</b>	<b>120 Days</b>
<b>Temperature</b>	<b>Maximum 40 Degree, Minimum 12 Degree</b>
<b>drought prone</b>	<b>Yes</b>

The area is a drought prone area but does not bear the impact of drought due to intensive pipe line water supply system in recent years.

### Major types of soil:

Soil types	% Area in percentage
Black	70%
Goradu	20%
Sandy	10%

## Land Use (in hectares as per last year)

Total area	Farming land		Total	Forest	waste land	Goucher	Gamtal
	Irrigated land	Non-irrigated land					
7259.60 Hac	7259.60 Hac	253.69 Hac	7005.91 Hac	1132.57 Hac		300 Hac	217 Hac

Major irrigated area Percentage of total irrigated land

(1) Canal : 50 percent

(2) Borewell or other (ground water) : 50 percent

## 3.5 Business Activities

### Farming

#### Major Crops of the District (as of 2011)

Major kharif crop	Major rabi crop	A major summer crop
Cotton, Tuwer and Mug	Sorghum and wheat	Millets, Cotton, Raido

There has been no significant change in crop cultivation in the last ten years. But major changes have been observed in crop varieties. In non-cotton crops too, the use of hybrid seeds instead of indigenous varieties has increased. All this change In between there has been no change in the local wheat variety as this wheat is a winter crop with moisture from monsoon rains. In which mainly Lokvan is planted.

### Details of Cattle Livestock (as per 2007 Cattle census year)

No.	Type of animals	Number Total (District wise)
1	Cow	768224
2	Buffalo	746535
3	Bull	456055
4	Camel	2307
5	Sheep	64456
6	Goats	316341
7	Horse	283
8	Dog	7488

(source : Cattle census year 2007)

#### Poultry

Number of birds : 10804  
Number of families dependent on poultry : 251

#### Fisherman and salt agar

Number of families dependent on fishing : 10  
Number of simple fishing boats : 57  
Number of motor boats : 4

### 3.6 Infrastructure and essential services

drinking water

Major sources of drinking water

1. Group water supply
2. Village well

Number of villages connected to the pipe line : 1280

Number of villages not connected to pipe line : 3 (A deserted village)

Number of villages which usually experience water shortage in summer where water has to be supplied by tankers: 15 villages

Road and traffic Number of villages connected by paved road : 66

#### 4. Hazard, Risk, Vulnerability and Capacity (HRVC) assessment

A Hazard, risk, vulnerability and capacity (HRVC) assessment involves an integrated assessment of vulnerability and vulnerability to various threats. This information includes a lot of interesting analysis, including what places and structures are at risk and who are the people at risk? People who are able to face crisis. Assessment of helplessness includes socio-economic helplessness, residential insecurity, environmental helplessness etc. Hazard, Risk, Vulnerability and Capacity (HRVC) assessment of resources

The list includes details of preparedness system, communication system, public distribution system, godown, transport, health, fire stations, storm shelters besides list of voluntary organizations, disaster partners and volunteers working in the district for effective emergency response.

#### 4.1 Hazard Assessment

##### Flood (Last 2 Accident )

Date, Month, Year	Cause and origin of crisis	Number of villages affected	Affected families	Number of human deaths	Number of animal deaths	Partially damaged building		A completely damaged building	
						Kachha	Pakka	Kachha	Pakka
2004	Sabarmati River	12	1470	0	0	127	8	3	0
2007	Harnav River	5	1576	0	0	138	9	7	0

## Potentially dangerous location in the district

### Potential location of flooding

Potentially dangerous location	Taluka	Villagges	Respons ible Departm ent	Threatened Cultivation Area (hac.)	Threat to the total popula tion	Total animal risk
Riverside villages	Himatnagar	30	Executive Engineer, (Irrigation)	6334	9137	3470
	Prantij	36				
	Talod	10				
	Khedbrahma	32				
	Vijaynagar	09				
	Poshina	27				
	Vadali	05				
	Idar	25				
	Total	<b>182</b>				

Total 182 villages of the district are flood prone. Out of which 55 villages are more affected, the remaining villages are affected when there is heavy flood in Harnao and Sabarmati, Kanjan, Khari, Hathmati, Meshwo river and heavy rains in the area. Flood in the river If it comes, flood situation is created in the villages. Usually the local people are not prepared to go to safe places. If there is a warning of high water in Sabarmati, Prasana takes the people to



designated safe places after warning. However, such a heavy flood last occurred in the year 2007.

### cyclone

Date, Month, Year	Cause and origin of crisis	Number of villages affected	Affected families	Number of human deaths	Number of animal deaths	Partially damaged building		A completely damaged building	
						Kachha	Pakka	Kachha	Pakka
Dec. 1982	Low Pressure	4	District	-	-	-	-	-	-
Jun 1998	Arabian Sea	5	252	-	-	-	-	6	-

A total of 16 villages in Sabarkantha district are located in the hilly areas which may be affected by the cyclone. Heavy storms have not affected in recent years. The people of the village still remember the 1982 cyclone as, that time, about 150 km. The wind was blowing at a speed of And countless thatched and thatched roofs were blown away.

### Earthquake (Mention the details of the last incident)

Date	Fault Line EP Center	Magnitude (Richter scale)	Number of villages affected	Affected families	Number of human deaths	Partially damaged building		A completely damaged building	
						Kachha	Pakka	Kachha	Pakka
26th January 2001	the village of Chobari, in Bhachau Taluka, of the Kutch District of Gujarat, India	6.9 Richter scale	56	15178	0	44	0	351	0

## Drought

Year/ Month	Number of declared villages	Cause and origin of crisis	The duration of the crisis event	Affected population
1995	14	less rain	5 Month	14 The entire population of the village

Sabarkantha district is traditionally drought or drought prone from geographical, climatic and agro-climatic point of view. is . According to the estimate of the collector office Sabarkantha, a total of 24 villages are drought prone. Out of which 15 villages are high potential. Average annual rainfall is 800 to 850 mm. have Every village has a village pond to collect rain water. But due to lack of repair and maintenance, these lakes are not replenished due to obstruction in the catchment area of the lake Attempts have been made to deliver water through As there is no special arrangement at the family level for rainwater harvesting, the villagers have to depend on irregular piped water or village wells. These wells dry up with the onset of summer

Drinking water is supplied by tankers to some villages every year. Pipe to every village by Water Supply Board and Vasmu in last five years

## Chemicals and industrial hazards

Date	Venue Public/ Private	Cause and origin of crisis	Total Area Affecte d (Sq. Km.)	Number of villages affected	Number of injured	Number of deaths	Total population affected	Affecti ng prope rty	Affect ing Cattle
Last 10 Years GIDC Start's Industry but Not done Major Any Incident									

A total of 8 villages in Himatnagar GIDC are prone to industrial accidents. There are total 1 MAH industries in the district. Most of the units are about ceramic production. Prepared underground pipeline network for transportation of chemicals and gas

happening The local community has no idea where and how serious these chemicals and gases are. So, in the future, industrial accident can become the biggest danger or disaster than drought, flood, storm etc.

Multi-hazard details of the district (based on discussions with various departments)

Crisis	Villages under critical threat	Villages under moderate risk
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Flood 14 villages	<b>Himatnagar Taluka-</b> Bholanomath, Rampur, Karanpur, Khanusa, Kaniol, Torniakampa, Demai, <b>Khedbrahma Talukas-</b> Shilvad, Vadhakampa, Sandharakampa, Atarsumba, Matali, Bandana, Veerpur, Attari	There are 15 villages of moderate risk
Storm 25 villages	25 villages of Khedbrahma and Vijayanagar talukas which are hilly and mountainous are prone to cyclone.	There are 35 villages of moderate risk
Earthquake		As the entire district is in seismic zone 3 there is moderate risk.
Drought 24 villages	40 villages without irrigation facilities in Khed Brahma and Vijayanagar and Wadali talukas can be considered drought prone	
Industrial / Chemi	11 villages of Himatnagar, Prantij taluka which are connected by highways and are near industrial areas can be considered industrial accident prone.	

## 4.2 Risk and Helplessness Assessment (Current Year Assumption)

### Physical helplessness

Crisis	Number of villages	Total population	Number of cattle	Number of Kachha houses	Number of Pakka houses	Cultivated Area (in Hectares)	Number of drinking water intakes
Flood	<b>32</b>	15412	6270	1708	1407	10254	77
Storm	<b>14</b>	26654	5260	2536	3090	9852	105
Earthquake	<b>29</b>	82647	24537	7567	9201		382

Drought	<b>68</b>	22413	6207	2492	2051	18121	137
Industrial / Chemical	<b>15</b>	48374	13335	5447	4478	28544	216

Mainly industrial and ceramic hazards are increasing in the district. Due to which almost one third of the population of the district may be directly or indirectly affected. Traditional droughts can directly affect drinking water, agricultural land and livestock. As many as 17 villages of Sabarmati Hathamati may be affected due to flood conditions in monsoon, community, raw houses and drinking water wells and pipelines. As three talukas of the district are hilly areas, the effect of storm is there. Tsunami has never been affected in the past. Highway from Shamlaji to Majra Tolanaka is considered accident prone. Fatal accidents have occurred in the past.

#### Danger to public buildings

Crisis	Buildings (number)			
	School	Anganwadi	Panchayat	Community centers
Flood (14villages)	10	14	14	13
Cyclone (16 Villages)	14	14	16	15
Earthquake (68 villages)	65	68	63	58
Industrial / Chemical (38 villages)	15	37	38	36

#### Threat to communication

Crisis	Communication		
	Mobile tower	Wireless Tower	Post Office

Flood	20	15	17
Cyclone	200	50	16
Earthquake	250	15	58
Industrial /Chemical	5	0	0

### Danger to road and traffic

Crisis	Roads and Transport			
	State main and other roads of the district	State Highway	National Highway	Railway
Flood	17 village roads	About 60 kilometers of highway	0	0
Storm	0	About 30 km of highway	0	0
Earthquake	About 60 kilometers of highway	Bridges and culverts across roads	0	0
Industrial / Chemical	0	0	0	

### Threat to electricity supply

	Sub Divisional Unit	Feeder	Transformer	Electricity Polls
Flood	5	NA	17	NA
Storm	7	NA	16	NA
Earthquake	5	NA	0	0
Industrial / Chemical	3	NA	28	0

### Threat to critical services



Crisis	Food supply	
	Fair Prize Shop	Market Yard
Flood	60	5
storm	95	5
Earthquake	32	2
Industrial / Chemical	14	2

### Threat to health infrastructure

Crisis	Sub Center	PHC	CHC	108 Ambulance Place	Hospital Govt / Private	Animal treatment clinic
Flood	2	4	0	1	0	2
Storm	1	2	0	1	1	1
Earthquake	14	5	1	3	1	4
Industrial / Chemical	2	1	0	1	1	2

### Analysis of District HRVC:

Thunderstorms and floods are likely. The district is located in earthquake seismic zone 3 so there is a moderate probability of earthquake. This year also people felt the earthquake but there was no loss. In the last years ceramic and gas based industries started in 8 villages at Himatnagar and Prantij within the industrial complex. (on site) and fire in the vicinity of the complex (off site), Potential for disasters like gas and ceramic sludge, air, water and land pollution has increased. In this area, raw materials such as chemicals, gas, etc. are transported to industries through roads. There are SGL units in five villages of the district whose pipelines can also pose a risk. Sabarmati

gas network is spread in the district, so natural pipe gas can be considered a risk SGL provides high pressure supply to the gas coming from Mehsana. Sabardari and about 5 ceramic based industries are customers of SGL. The effects of drought are frequent and traditional rainwater harvesting systems are non-existent or non-functional. Due to which salinity is likely to increase.

#### Risk from hazardous ceramic and gas transposition

Industrial units have been established around 11 villages by GIDC, Himatnagar of Sabarkantha district. Due to which the raw materials of industries like, chemicals, gas, etc. are transported from around these villages. Accidental linkage of such vehicles during transportation is likely to cause adverse effect of ceramic and gas in surrounding villages. So no HAZMAT According to the principles, it is necessary to organize the system of transportation and create awareness among the local people about this.

#### Analysis of helpless groups

Groups with special needs In times of emergency the entire affected community needs help but there are individuals and groups with special needs in our society who need special care. Persons who have one or more physical impairments or disabilities such as, blind or visually impaired, walking, speaking, hearing, memory impairments may be affected during disasters.

>There may be trouble. Special arrangements should be made for them to get quick help. Some disabilities are obvious while others are difficult to detect and understand, such as heart disease, sensory and mental pain, arthritis and rheumatism, allergies, asthma, chemical reactions, respiratory problems, vision, hearing and brain problems. etc

#### **Persons with disabilities are hindered in performing certain tasks such as,**

- Difficulty walking or using steps (joint pain, wheelchair, walking stick, crutches and crutches)

- Fatigue, shortness of breath, weakness (temporary and permanent)
- Heart disease, asthma, lung problems, or any other symptoms that cause shortness of breath due to stress, fatigue, and movement.
- Mental, intellectual, thinking and understanding problems
- Visionless

In the analysis of helplessness in Sabarkantha district tribals and elderly destitute are most at risk. Due to social, economic, educational and political backwardness in general, the castes/castes are unable to withstand the potential threat. This group needs to be prioritized in pre-disaster warning, evacuation, first aid and early relief. generally

The people of this group live at the edge of the village and information and facilities do not reach them. The access of which needs to be verified. Sarkarshree has calculated the B.P.L. Families should also be prioritized in disaster management operations. Special programs for such groups should be organized in DRDA's annual work plans, such programs should also be given special importance in tribal development plans.

**Danger when large number of people gather together (fairs and religious events etc.)**

Event	Place	Estimated people	What are the risks?
Chitra Vichatra fair	Gunbakhari	15000	Run away, food poisoning, fire
Fair of KhedBrahma	Khedrabrahma	20000	Run away, food poisoning, fire
Jadar fair	Jadar	15000	Run away, food poisoning, fire

An important place where a large number of people congregate at a time

Place	Where is it located?	Estimated people	What are the risks?
Market	Himatnagar, Idar, Khedbrahma	5000	accident and fire
Industrial	Himatnagar	15000	Industrial accident, water contamination, ceramic and gas leakage.

### Pipe line services

Type Gas	Location (No. of Villages)
Gas, Sabarmati Gas Limited	11

Underground oil and gas pipelines of major industries like, SGL, etc. pass through the villages of the district which is a potential hazard.

### 4.3 Capabilities Analysis

#### People's ability to cope with crisis in traditional ways.

Crisis	Forewarning	advance preparation	Initial response
Flood	Monitoring water level by department, community	Evacuation to designated high ground and preparation of rescue teams	Search and rescue, first aid
Storm	Getting information through	Identification of safe place, evacuation	Search and rescue, first aid
Earthquake	No	Identification of a safe place	Search and rescue, first aid
Drought	Prediction of rainfall based on almanac, prediction based on direction and speed of wind and cloud in Jeth month	Fodder and grain storage, to formulate rules for use of well and pond water,	To start cages, parabs and fodder depots
Industrial / Chemical	People have no experience about this		

## List of Abilities against Flood, Storm

Details	Number
Villages at risk	30
swimmers	250
Emergency / Rescue Shelter	55
Government fodder supplier	Forest Department Himatnagar
Government water tanker supplier	<b>15</b>
Private water tanker supplier	150
Government Medical Service Provider	<b>160</b>
A private medical provider	<b>260</b>
Grain Quantity (Cheap Grain Store)	<b>170</b>
Nurse	<b>140 nurses and 500 Asha workers</b>
Veterinarian	<b>250</b>
Para Veterinary Worker	150
Machine Boat-KhedraBrahma	<b>20</b>
A simple boat-damsite	<b>15</b>
Boat operator	<b>15</b>
Life jacket	445
Ringo	320

### List of capabilities against earthquakes

Details	the number
Earthquake prone village	66
Emergency / Rescue Shelter	3
Government fodder supplier	<b>Forest Dept. Hmt</b>
Government water tanker supplier	7
Private water tanker supplier	NA
Government Medical Service Provider	4
A private medical provider	7
Food supplier cheap grain store	32
nurse	14 nurses and 60 Asha workers
Earth mover	6
Dumper	16

### List of Drought Resistance Capabilities

Details	Number
Drought prone villages	24
Water supply headworks	5 Headworks
Water Tanker Supplier Govt	7
Water Tanker Supplier Pvt	NA



Veterinary Doctor Govt	1
Para Veterinary Worker	52
Cage floor	1
Fodder Supplier Govt	Forest Department Himatnagar
Grain Quantity (Cheap Grain Store)	32
Civil Supply Godown	1

### Industrial and Chemical Disaster Response Capacity Inventory

detail	Unit number
Special response teams available in the district	5
District Level Trained Persons (Fire Fighters)	150
Lab Technician	23
Doctor (Government and Private)	11
Para Medical Worker	400
Chemical Expert	0

In the above assessment, it is seen that, traditionally, capacity has been developed through skilled human resources, machinery and resources at the district level for potential hazards like drought, flood, cyclone and earthquake. Sabarkantha district is 70 km from Ahmedabad city. be at a distance of Many emergency services and resources are possible and easy to access from Ahmedabad. Industrial crisis is likely due to fast growing industries. Therefore the following measures should be taken to increase the capacity of the district level.

1. Pre-preparation and recovery plan should be prepared for off site at industry level.
2. Prepare trained response teams to deal with chemical and gas spill incidents and conduct regular mock drills with necessary resources.

- 3 Coordinating the resources of various departments of the district and formulating emergency response strategies.
- 4 Regular training of government and non-government organization staff at various levels
- 5 Preparation of inventory of hazardous ceramic and gas used in industrial units under the leadership of LCG (Local Crisis Management Group) and placing anti-dots in this regard in local treatment centers.
- 6 The disaster plan of each department should be reviewed at the district level. Government should appoint subject experts in the district disaster unit
- 7 The government should seriously think about the facility and permanent livelihood of the employees who are working under disaster management.
- 8 A special committee should be constituted for effective coordination with the industrial houses of the district

### **Prevention and Mitigation Plans**

To carry out prevention and mitigation activities and non-structural works to reduce the effects of disasters. Construction and associated operations in infrastructure works that help mitigate risk. To carry out activities like public awareness, capacity building, change in practice, formulation and implementation of safety regulations in non-structured activities.

#### **Mitigation functions are of two types as follows**

1. Structural works : On site construction and engineering, physical works.
2. Non-structural functions: studies, research, regulations, policies, capacity building etc. operations.

>In DDMP such activities related to each hazard can be planned and integrated into various departmental programmes. E.g. MNREGA activities such as flood



protection, tree planting etc. can prevent flooding. Incorporating safety standards into housing construction can reduce the impact of earthquakes.

>The DDMP implementer can coordinate that each department includes such tasks in its work plan. Annually review such works and keep making necessary improvements in them.

## 5.1 Structured measures for mitigation Structural measures for flood mitigation

Possible mitigation measures	Identified places and villages	Identified places and villages	Which scheme or program can be associated with	Time limit	Status of operations (planning, progress and completion)
To verify and strengthen the check demo of the forest department	15 villages in Nanjangal areas of KhedBrahma, Vijayanagar.	Forest Department	Divisional Scheme of Irrigation and MNRGA	2024-25	
Establishing a warning signal on the check demo	All areas of the district where checkdemos are made	Irrigation Department	Divisional Scheme, MGNREGA and Water Shed	2024-25	
Desilting of reservoirs, rivers and dams	Every village pond and river bank of Sabarmati	Village Development Department	MGNREGA and Land Development Corporation Scheme	2024-25	Strengthening of ponds of minor irrigation scheme constructed by Zilla Panchayat



Strengthening of ponds of minor irrigation scheme constructed by Zilla Panchayat	Irrigation Department and Village Development	Divisional Scheme of Irrigation and MGNREGA	Sujlam Suflam Canal	Special Plan 2023-24	Repair of drains, drainage and drains, canals.
housing scheme		Village Development Department	Regular	2023-24	

### Non-structural measures for flood mitigation

Unstructured steps	Place/ Area covered	Implementing Department	Which scheme or program can be associated with	Time limit	Status of operation (planning, progress and completion)
Conduct safety audit of existing and future housing in risk prone areas	Flood affected 17 villages	Village Development Department	Housing scheme	Regular	
Developing traditional coping tools and skills. E.g. raft,	Flood affected 17 villages	DDMC, Yuvaka Mandal and NGOs.	Training and capacity building of DDMP	2024-25	
Capacity building of volunteers and technically skilled persons	Flood affected 17 villages	DDMC	Department of Animal Husbandry and Village Development	2024-25	
Awareness about animal safety	Flood affected 17 villages	Department of Animal Husbandry and Village	Departmental Scheme	Regular	

### Structural measures for storm mitigation

Possible mitigation measures	Identified places and villages	Implementing Department	Which scheme or program can be associated with	Time limit	Status of operation (planning, progress and completion)
Strengthening of buildings in hilly areas	Thunderstorm affected 16 villages	Forest Department, and Rural Development Department	Departmental Planning and MGNREGA	2023-24	
Storm-proof houses and public buildings Identifying and retrofitting.	Thunderstorm affected 16 villages	Department of Roads and Buildings and Village Development	Departmental Scheme	Regular	

### Non-structural measures for storm mitigation

Unstructured steps	Place/ Area covered	Implementing Department	Which scheme or program can be associated with	Time limit	Status of operation (planning, progress and completion)
Strengthening early warning system.	Thunderstorm likely 16 villages	DDMC		Regular	
Proper handling of jackets, rings, ropes and other equipment		DDMC, VDMC	DDMP	2023-24	
Strict compliance with applicable rules.		Department of Environment and Forests		2023-24	
Registration of boats		Department of Fisheries		2023-24	
Notice and control of poor quality building/hoarding.		Roads and Buildings Department		2023-24	

### Structural measures for earthquake mitigation

Possible mitigation measures	Identified places and villages	Implementing Department	Which scheme or program can be associated with	Time limit	Status of operation (planning, progress and completion)
Retrofitting of poor houses and private buildings (schools, banks, shopping centers etc.).	Earthquake prone 66 villages	Roads and Buildings, Village Development Department		2024-25	
Retrofitting of houses constructed under housing scheme		VDMC, DDMC	Housing scheme	2024-25	
To identify and demolish extremely weak and dilapidated houses and buildings.		Roads and Buildings Department		2024-25	

### Non-structural measures for earthquake mitigation

Non-structured potential measures	Place/ Area covered	Implementing Department	Central office of the scheme or programme	Time limit	Status of progress (planning, progress and completion)
Enrollment of Trained Engineers, Engineers and Architects	Earthquake prone villages	Road & Building Dept.and DDMC		2024-25	
Capacity building of architects, engineers, masons on earthquake resistance issues		Road & Building Dept.and DDMC		2024-25	
Ensuring strict compliance of earthquake safety related policies in all constructions.		TDO		2024-25	
Mock Drilling for Schools, Hospitals and Public Buildings. Conduct earthquake resistant construction training and orientation to architects, engineers, bricklayers.		DDMCand schools		2024-25	

### Structured measures for drought mitigation

Possible mitigation measures required	Identified places and villages	Implementing Department	Which scheme or program can be associated with	Time limit	Status of operation (planning, progress and completion)
Fodder and plantation in gauchar and public government land, seed farm, trust land etc	24 villages drought prone	Forest Department, Village Development and Panchayat	Departmental Planning and MGNREGA	2024-25	
Construction of rain water harvesting in houses and public buildings at family level.		GWSSB and Rural Development Department Self	Water Act and MGNREGA 2023-24	2024-25	
Construction of ponds, farm ponds and check dams for rainwater harvesting at community level.		Village Development and Irrigation Department	VDMC, Forest Department, Animal Husbandry Department and Panchayat	Departmental Scheme	2024-25

Possible mitigation measures required	Identified places and villages	Implementing Department	Which scheme or program can be associated with	Time limit	Status of operation (planning, progress and completion)
To develop fodder plots and fodder banks				2024-25	
Desilting of reservoirs and dams		Department of Irrigation and Rural Development	Departmental Planning and MGNREGA		

### Non-structural measures for drought mitigation

Unstructured steps	Place/ Area covered	Implementing Department	Which scheme or program can be associated with	Time limit	Status of progress (planning, progress and completion)
To list and locate scarcity and drought relief works	24 villages drought prone	Village Development Department	MGNREGA	2024-25	
To sensitize farmers for low rainfall drought tolerant crops and for economical use of water		Department of Agriculture and Horticulture	Departmental Scheme	2024-25	
Making arrangements for economical and controlled use of water. (ponds, small dams and		Panchayat		Regular	



Unstructured steps	Place/ Area covered	Implementing Department	Which scheme or program can be associated with	Time limit	Status of progress (planning, progress and completion)
To list and locate scarcity and drought relief works	24 villages drought prone	Village Development Department	MGNREGA	2024- 25	
check dams)					

**Structured measures for mitigation for industrial (chemical)**  
**(Coordinated with State and District Level Authorities)**

Function	Activities	Implementing Department	Which scheme can be associated with	Time limit	State of progress
Monitoring adverse impacts of industries on natural resources (land, water and air)	Regular data collection and study of adverse effects on natural resources	DDMC, LCG, GPCB		time to time	
Safety Assessment	Audit on risk to surrounding residential areas due to industries	DCG, LCG, Industrial Safety Officer		Regular	

**Non structured measures for industrial (chemical) mitigation**

function	activities	Implementing Department	Time limit	Status of progress (planning, progress and completion)
Planning	Formulation of on-site and off-site emergency response plans of industrial units.	DCG	2024-25	
	To do mock drill as per rules.	DCG, LCG	regularly	
	Updating the plan as necessary.	DCG	regularly	
	To supervise the above type of activities in all industrial units		regularly	
Capacity building	Creating, publishing and distributing educational materials.	DDMC	2024-25	
	To raise awareness in villages surrounding major accident prone factories and arrange for medical service providers to be available immediately.	DDMC, LCG	2024-25	
	Organizing training programmes, seminars and workshops. (eg HAZMAT for drivers, officer training of various departments.	DDMC, LCG	2024-25	
	Preparation of list of subject matter experts, specialists.	DDMC, LCG	2024-25	
	Dissemination of Disaster Insurance Scheme.	Department of Labor and Labour	2024-25	
medical service	Preparation of inventory of hazardous chemicals and gases used in industrial houses	Industry Association, THO	2024-25	
	Keeping and updating anti-dots for hazardous ceramic and gas in health centers.	Industry Association, THO	2024-25	
	Conducting regular training and workshops for health workers to prepare them for resistance to ceramic hazards	Industry Association, THO	regularly	
to apply	Enforce the provisions of the Environment Protection Act, Factories Act	DISH, GPCB	regularly	

	Operation of Mutual Aid	DISH, GPCB	regularly	
	To prepare Standard Operating Procedures (SOPs).	DISH, GPCB	regularly	

A District Crisis Management Group (DCMG) has been formed at the district level to provide specific advice and mitigating actions for chemical accidents. The same group can also work for chemical disasters. (DCMG) has a total of 34 members including District Collector, Deputy Collector, DDO, Deputy Director-Industrial Safety and Health, DSP, Municipal Fire Superintendent, District Health Officer, Civil Surgeon, Superintendent Engineer, Chief Officer, Commander SRPF etc. are involved. This year also as a part of pre-preparation, a mock drill was held at Bayer India Lee under the chairmanship of the Collector. Before the monsoon of this year, every Mamlatdar office will conduct a mock drill for the rescue of flood-affected persons in the riverside villages.

## 5.2 Inclusion of DRR operations in development programmes

>Integrating DRR activities into development programs can help reduce loss of life and property. In addition, support in strengthening livelihoods, human resource support through training and capacity building, disaster risk reduction through health, water, housing etc. programs.

>Various national and state developmental schemes can help in the socio-economic development of the community. Such schemes can cover many people with a lot of financial support, so mainstreaming DRR can contribute a lot to safety, risk and prevention through development schemes of works have been undertaken in the talukas which can improve quality against the challenges of

many water related problems, road and building irrigation and many developmental works have been undertaken by the forest department for flood affected areas.

**To coordinate national and state schemes to carry out the following.**

Department/National and State Plans	Action Steps (Possible)
Housing and public construction 1. Indira Housing Scheme, 2. Sardar Awas Yojana 3. Other housing programs 4. Sarva Shiksha Abhiyan Mission 5. Disaster Risk Management Programme	<ul style="list-style-type: none"> <li>• Safety audit</li> <li>• To prepare technology demonstrations for public education and awareness.</li> <li>• To certify carpenters on safe construction.</li> <li>• Preparation of contact list of trainers in this regard.</li> <li>• Formulate and implement policy rules on safe construction in hazard prone areas.</li> <li>• Creating special construction facilities for groups with special needs in all public construction and housing programmes.</li> </ul>
Water and Sanitation 1. Nightly Rural Payjal Programme. 2. Swajal Act, 3. Total cleanliness campaign.	<ul style="list-style-type: none"> <li>• Rainwater harvesting</li> <li>• Ground water accumulation and storage</li> <li>• Construction of flood retaining walls, embankments etc</li> </ul>
Employment and Management of Natural Resources 1. Pradhan Mantri Gramodyog Yojana 2. Mahatma Gandhi National Rural Employment Guarantee Scheme. 3. Integrated Watershed Development Programme.	<ul style="list-style-type: none"> <li>• Flood control under MNREGA and Integrated Watershed Development Programme,</li> <li>• Drought control, soil improvement through tree plantation,</li> <li>• To revive old traditional water taps</li> <li>• Prioritizing works like rain water harv</li> <li>• To prepare disaster emergency plan</li> </ul>

Department/National and State Plans	Action Steps (Possible)
<b>Health</b> 1. National Rural Health Mission, Grain for Work, 2. National Food Security Mission, 3. 108 Ambulance Service, 4. State AIDS Control Programme. 1.	<ul style="list-style-type: none"> <li>• Conduct mock drills in hospitals.</li> <li>• Community monitoring of activities under Health and Food Security Scheme.</li> <li>• Testing.</li> </ul>
<b>Education</b> Sarva Shiksha Abhiyan	<ul style="list-style-type: none"> <li>• Improving infrastructure.</li> <li>• To improve educational system and proper facilities for groups with special needs and groups including children with disabilities.</li> <li>• Develop and expand academic literature for risk prevention awareness.</li> <li>• To include the subject of disaster management in teacher training institute courses.</li> <li>• Providing life saving trainings like first aid, search and rescue and swimmer training to students, teachers and school administration staff.</li> <li>• Making disaster management plan and conducting mock drills by school management committee.</li> </ul>

### 5.3 Transfer of Risk

Insurance schemes play an important role in transferring the potential risk of disasters. Various insurance schemes for protection of life and property against natural and other calamities have increased in popularity in the last decade. Various government assisted insurance schemes for life, property, health, labor welfare have proliferated. Such schemes are mainly related to individual, family and property is Incorporating various such schemes in the planning of DDMP and making efforts to make the community know and use such schemes.

Making efforts to make the community aware and engaged especially about government sponsored insurance schemes. Providing such information also in awareness and capacity building

## **5.4 Organizational Arrangements**

According to the Disaster Act, each department has to prepare a disaster management plan for its activities. Co-ordinating with DDMC. Apart from this, it is necessary to conduct separate safety audits and planning for various buildings in the district, places where large numbers of people gather and where there is a risk of danger. Such places may be as follows.

Plans have to be prepared by all the departments at the district level with the coordination of the District Disaster Manageme

Committee. This should include mitigation, preparedness and response.

### Planning for organizational safety

the place	How many people can be at risk of crisis at any one time	Type of risk	Responsible Department	Progress
Sabarkantha Market Yard	1000	an accident	APMC	
Religious institutions	1000	Runaways, food poisoning and fire	Religious Trusts, Charities Department	
Fairs	1500			

### School Safety Plan

School complex should be the safest place for children. SMCs are constituted under the Right to Education Act 2008 in the district. Make a safety plan in every school under its coordination. To include details of such school level plan in DDMP to make schools safe and empower students and teachers under such plan.

- Assessing the risk, vulnerability and capacities of school buildings.
- Identify helpful organizations around the school that can help in a disaster.
- Preparing training, mock drill topics and schedule for school safety.
- Prepare a plan for safe evacuation of children in an emergency.
- To lay down work methods and measures for complete safety of fire, laboratory etc.
- Prepare a list of important telephone numbers, contact persons and addresses of service providers at the school level. Collect and store safety equipment, machines, medicines, first aid, clothes etc. so that they can be used during disaster



District level school safety forum to enhance and promote school to school learning process, exchange of experiences and good practice of school safety. During the year 2020-21, all the CRCs and teachers of the district have been prepared by giving intensive training on 15 subjects for a week and mock drills were also conducted in 2250 schools so that the school community is prepared against future disasters.

## 6. Preparation for response

An emergency requires both pre- and post-response. Developing a robust ICS for response planning. Preparation is useful in coordinating with various organizations, departments, determining structured and non-structured tasks etc. This plan should have a clear ICS so that the 3 C's (Command, Control and Communication) are done properly and provide timely and effective response.

ICS focuses on early warning, search and rescue, humanitarian assistance, first aid, relief, temporary accommodation, water and sanitation, law and order, animal care, grievance redressal, rehabilitation and reconstruction.

### 6.1 Early Warning System (EWS) and Post Disaster Notifications

a disaster creates panic and misunderstanding It often happens that the message and warning about a disaster cannot be conveyed to the people in remote areas in time. Sometimes information spread by rumors before and during among people. Therefore, delivering a clear, appropriate warning message to the right group at the right time can minimize the effects of a disaster. ICS is important for timely delivery of reliable information.

#### Early warning action plan

Type of work	Flood	storm	Chemical and Industrial	Tsunami



Existing early warning system	Irrigation Department / Dam Authority/ Meteorological Account   Collector   Collector/TDO/Mamlatdar/ Villages	weather account   Collector   collector/ TDO.	Industries Association   DCG   LCG	weather account   Mr. Collector   collector/ TDO
Responsible Department	Collector/ TDO. Mamlatdar	Collector/ TDO Mamlatdar	Collector / TDO Mamlatdar	Collector/ TDO Mamlatdar
Availability of trained operators	Yes	Yes	No	No
Villages covered	Villages at risk of crisis			
Villages/colonies where warning and messages are not reachable or difficult to reach.	Community which lives far away in villages e.g. Fishermen, sweet artisans, freighters etc			
Necessary steps to reach the alert message within the time frame. (E.g. enabling voice messages)	Inclusion of families living far away in villages in the task force and arrangement of communication system.			

## Post-disaster instructions

Types of hazards	Floods	Hurricanes	Earthquakes	Droughts	Chemical and industrial	disasters Tsunamis
Responsible Department	Collector office and T.D.O.					
Villages covered	Villages at risk of crisis					
Villages/colonies where warning and messages are not reachable or difficult to reach.	Community which lives far away in villages e.g. Fishermen, sweet artisans, freighters etc					
Necessary steps to reach the alert	Inclusion of families living far away in villages in the task force and arrangement of communication system.					

message within the time frame.

## 6.2 Advance Arrangements

1. When a disaster strikes, if there is not enough material, machinery, equipment, there is a hindrance in meeting the needs of the people. By making advance arrangements, the trouble can be avoided to a large extent. Properly “stock piled” makes quick help easier.
2. There are four important steps for advance management;
3. Preparation of list of required materials according to area and hazard. For this considering the helplessness, consumption and culture of the people of the area.
3. The quality and standard of the equipment to be used for material collection should be considered so that quality material is collected. To determine the vendor and audience that can deliver such equipment.
3. Pre-arrangement of material godowns, network of suppliers ready for prompt delivery of service.

### Preparatory measures for chemical and industrial unit and storage

- Regularly introducing, updating and updating safety policies.
- Regular maintenance and inspection of critical machinery.
- Monitoring and reporting on the implementation of law related matters.
- Ensuring accident reporting, investigation and investigation of causes.
- Taking proactive and reactive measures to increase safety awareness.

## 7. Response plan

An effective response requires the creation of an incident command system with clear responsibilities. To equip each task force commander with specific training. The District Level Incident Commander (Provincial Officer / Collector) to instruct the Task Force Commander to take action as per prescribed SOP for effective disaster response. During a disaster, each task force leader reports to the Incident Commander and executes the coordinated plan.

### 7.1 List of Taskforce

No	Taskforce	District Level Co-ordinator	Associate Members and Departments
1	Planning and Co-ordination (Administration, Law and Order, Protocol and Media)	Nodal Officer	Collector Mr. Nikcheri, Provincial Deputy Collector, Mamlatdar Deputy Director, Information Department and Related Departments
2	Early warning, evacuation and communication	Nodal Officer, Collector and Mamlatdar	Office of the Collector, Mamlatdar Irrigation Department, T.V.A. and related department
3	Search and rescue	Nodal Officer, Collector and Mamlatdar	Office of the Collector, Mamlatdar-Home Guard, NCC, Ances T.V.A. and related department
4	Damage assessment, survey and documentation	Nodal Officer, Collector Shri Mamlatdar	Office of the Collector, Road Building Department Mamlatdar T.V.A. and related department
5	Office of the Collector, Mamlatdar Ta.V.A. THO, Civil Surgeon and Allied Department	Nodal Officer, Collector Shri Mamlatdar	Office of the Collector, Mamlatdar, Supply Department T.V.A. and related department
6	Public Health and Sanitation	Nodal Officer, Collector Shri Mamlatdar	Office of the Collector, Mamlatdar Ta.V.A. THO, Civil Surgeon and Allied Department
7	Care of Special Groups of Highly Helpless Groups	Nodal Officer, Collector Shri Mamlatdar	Office of the Collector, Mamlatdar Ta.V.A. and

			related department
8	Animal health and welfare	Nodal Officer, Collector Shri Mamlatdar	Mamlatdar T.V.A. and a veterinarian

## 7.2 Functions of the Taskforce

Time sheet	activities
normal time	Monthly meetings with members of DDMC, discuss, review and plan disaster management issues.
	Revising contact addresses Revising resource list Monitoring of strategic advance arrangements Periodic monitoring of work plan
	Logistics: The process of finding and obtaining resources, suppliers. Seeking administrative and financial approvals.
	Coordination with Police Force, PSI for Law and Order, PI. and coordination with the Home Guards.
	Media co-ordination, information dissemination arrangements, documentation arrangements.
Before	Distribution of cluster responsibilities for disaster management.
	Meetings, coordinating and preparing SOPs with various departments and police forces
	Keeping district level response teams ready.
	Making advance arrangements for immediate impact services like health and livelihood.
During	Monitoring of performance as per SOP
Later on	Assignment of departmental functions
	VIP visit arrangement and concession arrangement
	Planning and monitoring of relief activities
	To maintain law and order in relief camps and affected areas



## Taskforce – 2: Early Warning, Evacuation and Communications

Time sheet	activities
	Establishing a system where verbal or electronic advance warning reaches the last destination with an interpretation that is clearly understandable to the public
	Making arrangements to contact the village by phone so that early warning can reach the village
	To arrange for early warning to be conveyed to the public by trained officers / volunteers.
	To create public awareness about potential hazards, preparedness and precautionary measures.
	Preparing manpower, conducting trainings, maintaining and maintaining equipment and machinery, listing and liaising with collaborating agencies.
	Meeting with various stakeholders and updating planning on search rescue and early warning, site evacuation and communication.
	Identifying rescue shelters and making accommodation, food, toilets and other necessary arrangements. (for both humans and animals)
72 to 48 hours (3 days before disaster)	Verifying and understanding the warning received
	To verify the communication and warning system in place at village panchayat and district level.
	Dispatch evacuation team to the scene with necessary machinery and equipment.
	Prepare evacuation teams and send them to various cluster levels.
	Arranging vehicles for both team and community.
	Selecting safe rescue shelters and sites for the affected community and animals.
	Selecting safe rescue shelters and sites for the affected community and animals.
	To prepare alert messages
	Dissemination of advance warning in local language to the last destination. By word of mouth using the medium of telephone, television, radio, news papers. Also use non-electrical systems (media). (Continue rebroadcasting the alerts frequently after a gap of some time.)
	Ensure telephone contact list and work force SOP are updated or not.
	Coordinating with other taskforces. (Search and Rescue, Public Health, Law and Order and Water Supply)
	Informing the district and state authorities about potential hazards.
	Informing the district and state authorities about potential hazards.
D-48 to 24 hours (Before 2 days of Disaster)	Informing the district and state authorities about potential hazards.
	Official early warning messages announced earlier will continue to be updated and announced for the next 24 hours.
	Responding to early warning arrivals and prompting authorities to obtain information on the local situation.
	Verifying local level preparedness and reporting to Incident Commander.
	Note if people need to be taken to a safe place.
	swimmers Provision of necessary equipment at rescue shelters and danger areas



Time sheet	activities
	(boats
	Determining alternative routes to reach the danger point
	Verifying local level preparedness and reporting to Incident Commander.
	To ensure that early warning reaches specially vulnerable groups (fishermen, livestock keepers, Dalits living in the interior and tribals).
D-24 to 12 hours	To prepare updates about potential crisis situations
	Providing advance alert in local language about latest status. Using the means mentioned earlier.
	Providing detailed information about the crisis situation to the rescue task force and other task forces.
	To verify whether the pre-warning has reached the final destination or not.
	To verify whether the pre-warning has reached the final destination or not.
	To arrange food, lodging and security for the rescue teams.
	To take stock of the movements of each rescue team and inform the superior every six hours.
D-12 to 0 hours	Ensuring that early warning messages are being delivered consistently.
	To monitor the situation and give the latest report about it to the higher authorities, District Collector and Disaster Management Authority.
D+1 to 12 hours	Supervise the operation of the rescue squad and prepare a list of requirements for special machines, machinery, skilled persons, medicines etc.
	Gather necessary equipment and materials and deliver them to the incident level.
	Designate an officer to coordinate with the police and local leaders to dispose of dead bodies after proper investigation and registration.
	Keep extra troops ready so that they can rest at the same time.
D+12 to 24 hours	Continue search and rescue operations and evacuate the affected to safe places/hospitals/relief camps as required.
	Coordinate with DEOC to arrange for special medical treatment for affected persons.
	Providing services by air means (air drop) if required.
	To launch help line numbers and support centers.
	Assessing the situation by meeting with the local people at the cluster level and reporting to the district officer every evening.



### Taskforce – 3: Search and Rescue

Time sheet	activities
normal time	To conduct public awareness programs
	Revising contact addresses Revising resource list Monitoring of strategic advance arrangements Periodic monitoring of work plan
	equipment regularly. Repairing and maintenance of machinery, purchase of special machinery.
	Training and capacity building of special teams and volunteers
D-72 TOD 0	Planning operations for search and rescue
	Assessing risk and taking action.
	Coordinating with various departments to arrange for special forces if required for search and rescue.
	Management of control room during: Coordination and operation with external expert team
D+1 TO 24	In case of emergency without prior warning, to urge the rescue forces to reach the scene immediately with their equipment and machinery.
	If necessary cordon off the incident site.
	Urgent task force at every level regarding disaster. (District, District and Village)
	Initiate search rescue and evacuation operations.
	Making arrangements for crowd control.
	Take the affected to a safe place
	Verifying local level preparedness and reporting to Incident Commander.
D+24	To prepare regular reports on the functioning of the Task Force.
	Continuing staff rotation
	Continuous review and evaluation of performance
	Preparation of final report. Thank various stakeholders for their support

## Taskforce – 4: Damage Assessment, Survey and Documentation

Time sheet	activities
in normal condition	To prepare a team of responsible officers and citizens to receive and assess the damage assessment sheet prepared by the state authority. Forming four types of teams for assessment. 1) Private Buildings and Buildings 2) Roads, Bridges, Telephone Communications and Public Buildings 3) Agriculture and Water Resources 4) Industry and Commerce
	To prepare a list including addresses and telephone numbers of persons who can assess the damage.
D + 24 hour	Prepare an estimated cost sheet of personal and other resources required for damage assessment.
	The damage assessment team will prepare a preliminary assessment of the damage. Using a pre-prepared format for assessment.
	Sending preliminary damage assessment report to higher authority.
	To obtain opinions about the revisions to the preliminary assessment and the complexity of the damages. To inform the higher authority for any clarification in the assessment details
D +24 to + 72 hours and beyond	Prepare a team for damage assessment and allocate specific damaged areas.
	For any technical information required at the time of assessment of damages, providing a copy of the information to the assessor on the basis of which he can resolve the queries of the people on the spot.
	Forming a team of data operators to computerize the damage assessment data and make data entry without delay.
	To make arrangements for registration of complaints and redressal of complaints at district level.
	Constantly reviewing and evaluating until the job is done.
	Officially submit the final report to the higher authority

## Taskforce – 5: Relief Camp Management

(Temporary shelters, food, water, electricity, health) Psychosocial care

Time sheet	activities
in normal times	Determining the location of the relief camp and charting its capacity and available infrastructure.
	Forming a team of people from community members, religious institutions, corporate sector who are willing to volunteer their services in relief camp arrangements. List their names and contacts.
	Conducting workshops to sensitize women, children, disabled, elderly, downtrodden and minority communities in the relief camp system
	Liaise with government programs and other stakeholders for improvement of infrastructure at the relief camp site.
D-24 hours	Calling a meeting of senior volunteers and sending them to inspect the relief camp site and the condition of rescue accommodation.
	Collecting the necessary equipment based on the report of the volunteers.
	Forming a local team for arranging relief camps.
	Meeting with officials of water supply, health, electricity department to take their services at the relief camp site.
	Creation of special team for housing and psychosocial care
D 0 to D + 24 hrs	Conducting meetings and fixing responsibility with local organizations and volunteers for arranging relief camps at specific locations. Publish report about local needs.
	Sending request to local organizations to provide food and other necessary materials.
	Prepare a preliminary budget to support the needs of all sections of the affected. Assessing the status of humanitarian issues such as water, health and sanitation, violence and discrimination
	To procure resources as per the condition of relief site
	Budgeting of personnel and required resources so that a team does not have to work for more than 12 consecutive hours in a day.
	Forming a local team including women, children and elderly members who will monitor the effectiveness and non-discrimination of the relief camp.
	Preparing daily report for support regarding the matters covered in the arrangement and delivery of new requirements and sending it to the superior.
	Creating contingents for health, water supply, psychosocial care and housing.
D + 1 day and ahead	Determining the future course of action in consultation with the local people on the necessity or closure of relief camps.
	To carry out all the above specified tasks while the relief work is in progress.
	To prepare weekly and fortnightly reports on psycho social care and health.

## Taskforce – 6: Public Health and Sanitation

Time sheet	Public Health and Sanitation
normal condition	Tabulation of addresses and contact information of doctors, nurses, private and government clinics and hospitals, beds and ambulance availability.
	List of trained volunteers for first aid services.
D – 24 hours	Conducting meetings on matters of public health and sanitation and making estimates of personnel and resource requirements.
	Coordinate with the camp management task force to provide necessary volunteers, first aid kits and other sanitation services.
	Making a list of various materials for collection and obtaining approval.
D+24 hours	Creation of Health and Sanitation Committee at District Headquarters.
	Monitoring health and sanitation situation at all locations and making daily reports. Conduct daily meetings at the district headquarters to understand the situation and prepare a response plan.
	Prepare report along with budget for water supply, sanitation promotion, child care and other needy needs.
	If they require assistance, write a request letter to the district authority for assistance.
	Coordinating with the rescue forces and camp management as there is no compromise on issues related to public health such as clean water, sanitation services, proper disposal of solid waste and environmental pollution issues of the entire area.
	To ensure that basic needs (such as public health and sanitation etc.) are met in relief camps and other settlements.
D + Day 2 and ahead	To restore the physical infrastructure that facilitates health if damaged.
	Conduct cleanliness campaign by forming a cleaning squad.
	Constantly reviewing and re-evaluating work.
	All services to continue uninterrupted till the situation returns to normal. Finalization of public health services by meeting all stakeholders.
	Preparation of final report.

## Taskforce – 7: Care of the most vulnerable special groups

Time sheet	activities
normal time	To sensitize various departments, community representatives towards groups with special needs.
	Advocating and planning for the special needs of groups with special needs.
	To organize discussions and activities on the special needs of groups with special needs in the meetings of DDMC.
	Identifying and listing groups with special needs.
	To define the principles and approach of humanitarian aid
D-48 to D 0	Identifying and listing the special needs of groups with special needs.
	Mobilizing resources for safety and relief.
	See early warning system and arrange evacuation to safe place.
Between D 0 to D +72	Giving special priority to groups with special needs regarding response and relief arrangements, NGOs and coordinating with subject matter experts on the needs of such groups.
Later on Beyond D +72	Monitoring relief distribution system. Advocating to concerned authorities. Updating the list of members of such groups.

## Taskforce – 8: Animal Health and Welfare

Time sheet	activities
normal time	Preparation of list of animals and their health details and taking precautionary measures.
	To prepare list and contacts of para animal health workers.
	Preparation of list of animal hostels and cages.
	Spread the word about insurance.
	Identifying vulnerable areas and developing strategies for response.
Between D 0 to D +72	Arrangement of transpotation to rotate affected cattle.
	Provide relief, fodder, water and medicine arrangements and monitoring of animals.
	Be careful not to spread epidemics in animals
Later on Beyond D +72	Reviewing response performance.
	Document and case study the impact of disasters on livestock and related livelihoods.

### 7.3 VIP Protocol

VIPs and VVIPs should be promptly informed about the disasters and their probability, threat in the district so that the VIPs help in reducing the panic in the community and in restoring the system. Based on such information, VIPs and VVIPs can also reconsider their travel to this area.

To ensure that site visits of VIPs and VVIPs during emergencies do not hamper operations like search and rescue, first aid.

#### **7.4 Media Management**

The role of print and electronic media is important in conveying disaster warnings and details. The media can play an important role in mitigating the problems of the public by acting decently at such times. It can provide good information about disaster preparedness, response methods, survival methods etc. to the people in a wide manner. Generally clear to the community in any crisis or disaster

And it is very important to get correct information. So the role of media is very important. The state government has made arrangements to coordinate with the media by starting a media cell in the state level EOC. Which is continuously working. Periodical updating of print and electronic media by proper authority during disaster to prevent spread of unnecessary rumors and irresponsible information. Such an arrangement is a disaster

During the monsoon of 2017, the in-charge Minister, Collector Shri Sabarkantha and DDO Shri Sabarkantha visited about 15 villages of flood affected Poshina and KhedBrahma talukas and provided information to the public through a press conference from the Control Center. had fallen and took necessary steps by taking a meeting of Turtaj district officials.

## 8. Recovery plan

The plan aims to restore or improve the disaster-affected area and people. Disasters affect essential services, infrastructure, people's livelihoods, health and entire lifestyles. So quickly restore all these aspects. Consider this strategy to restore physical infrastructure and essential services.

### Build better than ever

To carry out new construction works in such a way that they are not damaged in such calamities again. Participatory Planning – To construct and function fairly keeping in mind the social and cultural styles and needs of the people. For this, participation of stakeholders in planning is essential.

- Coordination: Preparation of rehabilitation plan in coordination with various departments. Immediate damage assessment and assessment of people's needs are important aspects of such planning.
- To rehabilitate or operationalize the following various sectors.
  - Essential Services – Electricity, Water, Communication, Transport, Sanitation, Health.
  - Infrastructure / Construction – Housing, public buildings and roads
  - Livelihood – Agriculture, cottage industry, shop and market and employment.

Electricity, water, sanitation, sewage disposal etc. services to be started immediately. To predetermine alternative strategies and tasks for launching such service. Seek help from local organization, departments, corporate if required.



## 8.1 Operation of Essential Services and Infrastructure

(The details of the following forms should be completed after the survey after the occurrence of the disaster.)

### Electricity

Important services	Content/Services	Number of loss units	Number of villages affected	Affected population	Steps to recovery	Estimated duration	Budget
Electricity	Feeder						
	Transformer						
	HT line						
	LT line						
	pillar						
	other						

### Health

detail	PHC (Name of Village)	CHC	Sub Center	Medicine storage	Steps to recovery	Estimated duration	Budget
Damaged buildings	1	1	1				
	2	2	2				
Unreachable health centers	1	1	1				
	2	2	2				
Damage to fridges for medicine storage and storage of important equipment							
Destroyed drugs							
Number of ambulances damaged							

## social

detail	village	male	woman	Children	Total	Recovery measures	Responsible Department	Estimated duration	Budget
Number of people in need of psychosocial care (due to disaster)									

loss	Name of village and number of unit	Areas/ population affected	Steps to recovery	section	Estimated duration	Budget
the well						
Borewell						
the lake						
to water supply						
ESR						
GSR						
Sump						



standpost						
Hand pump						
animal Havada						

### Roads and Transport

Road damage	the place	intensity	km	Steps to recovery	Estimated duration	Budget
Panchayat roads						
State roads						

loss	the village	population	Alternative routes	Steps to recovery	agency	Budget
Broken roads						
Railway connection						

### Telecommunications

loss	Damage to Office/Tower (Number of Units and Locations)	Affected villages	steps to recovery	Responsible Department	Estimated duration	Budget
Landline connection						
Mobile connection						
Wireless Tower						
Radio						

### food supply

#### List of villages where food supplies cannot be delivered

loss	Number of godowns damaged	Type of spoiled grain	Amount of spoiled grain (in tonnes)	Amount of grain at risk potential (in tonnes)	Steps to recovery	Responsible Department	Estimated duration	Budget
food supply								
APMC								

### accommodation

Partial loss		Total loss/collapse		Steps to recovery	Program/Scheme	Responsible Department	Estimated duration	Budget
Raw	pipe	Raw	pipe					

### Public buildings

loss	Partial Loss (Number of Units)	Total loss/damaged	Steps to recovery	Program/Scheme	Responsible Department	Estimated duration	Budget
Panchayat							
Educational Building							
Anganwadi							
Hospitals							
Office							
market							
Police Station							
Community centers							

### roads

Type of road	Moderate damage	km	serious damage	km	broken down	km	Steps to recovery	Budget
	Disatance/ place	KM	Disatance/ place	K M	Disatance/ place	KM		
Rural roads								
District Roads								
State Highway								

## 8.2 Restoring Livelihoods

(The details of the following forms should be completed after the survey after the occurrence of the disaster.)

Type of business	Number of workers	Which department will provide the work	Estimated duration	Budget
Skilled worker				
Unskilled labor and agricultural labour				
Small and marginal farmers				
Construction worker				
Agaria of salt				
the fisherman				
weaving				
other artisans				

### land reform

Farming	Soil Erosion/ Sediment Erosion	Steps to recovery	Agency and Program	Estimated duration	Budget
Area (Hectares)					
Affected families					

### Agricultural reform

Farming	A failed crop	Steps to recovery	Budget
Area (in Hectares)			
Affected families			

### Non-agricultural livelihood

Cottage industries	Severity of loss			Steps to recovery	Agency and Program	Estimated duration	Budget
	Equipment and Machinery (Type and Unit)	Finished and raw materials (type and quantity)	Market Linkage (Yes/ No)				
Handcrafted							
Poultry farming							
Food processing							
Diamond craftsmanship							
Textile printing/ dyeing							

### shop and firm

shop	Severity of loss				Steps to recovery	Estimated duration	Budget
	building	Machinery and equipment	Goods and Materials	market linkage			
shops and firms	place and Number	Determined type and number	Determined type and quantity				

### 8.3 Grievance Redressal Mechanism

For the grievances and redressal of people during calamities, to arrange more than one system for timely hearing and redressal of the grievances of persons suffering from mental, health and property damage.

order	Main contact person	contact no	address
1	DEOC Collector	02772-241001 02772-249039/ 230100	Collector's DEOC Office Sabarkantha District Himatnagar.
2	DDO	02772-242350	Determined type and quantity
3	SP-SABRKANTHA	02772-241303	Police Control Room Sabarkantha, Distt. Himatnagar.

## 9. Capacity building plan

To take the following measures for capacity building in disaster management.

- 1 training
- 2 Mockdrill and simulation exercises
- 3 Public awareness
- 4 Documentation of exemplary work

### Training Needs Analysis

Training changes the knowledge, skills and practices of individuals and groups. Affects affective and cognitive aspects. So the performance of individual and group becomes better. For this, identifying the training requirements in advance and planning training and capacity building accordingly.

- Reviewing current training
- Work analysis (new or improved system)
- Identifying training needs
- Summary of training requirements
- Determining alternative arrangements for training
- To analyze the cost-benefit of training

Function	Activity	Responsible Department
Training Needs Analysis	To identify the roles and responsibilities of departments in disaster management.	<ul style="list-style-type: none"> <li>• Revenue and Deputy Collector</li> <li>• General Administration Department</li> <li>• Department of Revenue G.I.D.M.</li> <li>• All process wise sections</li> <li>• Public sector</li> <li>• Private sector</li> <li>• N.G.O. and other organizations</li> </ul>
	Identifying various stakeholders to carry forward the roles and responsibilities of the departments.	
	Conduct training needs analysis continuously.	
	Designing training as per training requirement.	
	Managing resources	
	to train	



## Trainings to be conducted for various departments

Training programs should be organized for officers and employees of various departments based on their training needs. From this process the topics and procedures for training can be derived.

Each department should list and schedule training programs to strengthen disaster management at its level. Generally this process is done from district or state level. If the process of identifying the need for such training at the district level and preparing the demand for training.

If so, the training planning at district level and state level will be of better quality. From the experiences so far the following training programs can be done for each department;

1. PROPOSED TRAINING FOR DISASTER MANAGEMENT Concept, requirement, legislation, policies, procedures etc. of DM
2. In which police, fire safety, health, revenue, village development, forest department etc. can be joined. Skill development program for departmental staff. Training on ICS
3. Minimum standards of emergency relief and response
4. Maintenance and use of equipment and machinery.

**Special Training:** Departmental trainings for irrigation and other stakeholders on introductory, pre-preparedness, response, mitigation, prevention etc.

1. Training on CBDP relief, damage assessment and compensation rules for panchayats, community.
2. NGOs, and CBOs / SHGs, CBDP, Helplessness and Risk Assessment.
3. Search and rescue, first aid, evacuation procedures, early warning etc. for community work forces.

### Training structure

Subject	Training group	Training agency	Estimated time
Orientation on general aspects of disaster management,	Departmental Staff	DDMC	2024-25
About Emergency Incident Control System (ICS)	Members of the Taskforce	DDMC	2024-25
Search and rescue, first aid and fire fighting	Members of the Taskforce	DDMC	2024-25

## Mockdrill and simulation

Continue to test disaster preparedness through mock drills and simulations along with training. Safety and preparedness in all schools, hospitals, important government offices, big corporate houses on different topics like fire, earthquake, flood etc. Regularly conducting mock drills with the help of external experts to check individual / collective preparedness. By which deficiencies in the preparation can be identified and rectified.

such mock drills can be done for pre-preparedness aspects such as search-rescue, safe egress, first aid, etc., in which pre-preparedness of police, fire, health services, rescue forces, etc. can be assessed. This method is also very useful for improving self preparedness of people studying and working in schools and offices.

**Mock drill (once a year to conduct mock drill on crowd control, rescue, evacuation and first aid.**

The place	Organizing Agency
Off site area of industries	Industry Association, LCG and DCG
Collector's office	DDMC and Collector

## Step-by-step steps for planning, executing and documenting a mockdrill

Mock drills are conducted to check the preparedness of individual groups/equipment/machinery in different disasters. The main objectives of MockDrill are as follows.

- Check emergency preparedness
- Identifying the deficiencies in the response
- processDiagnosing and correcting errors of various components / individuals
- To remove confusion and misunderstanding in roles and responsibilities
- Diagnosing and correcting errors of various components / individuals
- To remove confusion and misunderstanding in roles and responsibilities

To get familiar with the various person / group / component working in disaster and to know about their role

Checking the tools/machines/materials and verifying that they are working properly or not.

For the purpose of informing the various stakeholders in the plan about various aspects of the plan.

## How to prepare

- To study IRS
- Meeting / Discussion with Commanding Officer
- Selection of mock drill site
- Selecting the time of mock drill (morning, afternoon,
- To determine the area to be covered in the mock drill.



GSDMA

- eveninnight).
  - Assigning different roles to different persons regarding mock drills. E.g. MockDrill administrator, observer, note taker
- Evacuation of affected persons in mock drill (injury, unconsciousness etc.)
- Duration of MockDrill:
  - Inform the concerned person/constituent/agencies by sounding the siren bell.
  - Each agency should respond as per its SOP.
  - A predetermined observer will observe every moment who does what.
  - The pre-determined affected MockDrill will act as instructed by the operator.

### Review:

All individuals/constituents/agencies jointly review mock drills

- Every agency
- How coordination and cooperation between different agencies took place.
- Where there was deficiency and lack of responsiveness
- What the victims were experiencing in the treatment of rescue and first aid.
- Capacity building plan for each agency
- How to improve coordination between different components/agencies.
- How did the IRS work?
- What was the response time?
- How prepared the responders were

Issues for proper awareness of the community about industrial and chemical accidents

- It is mandatory for the industrial units to spread awareness about the hazardous chemicals of the unit to the people living in the potential impact area of the industrial unit accident.
  - It is a fact that an aware community living around can be helpful to both the industrial unit and the authority.
  - Making the community aware and alert is a joint responsibility of the government, the industrial unit and the community. Coordination between all these is essential.
    - Mutual communication system needs to be set up so that community – industry authority can coordinate and prepare.

## 10. Finance and Budget

- The financial estimate is the annual working procedure of the district level. There are two types of budgets for disaster management, one is the departmental budget of the various departments and the other is the budget for the expenditure required separately for disaster management.
- To make financial planning from different sources for following various expenses for disaster management.

Name	Purpose	Financial arrangements	Activities that can be undertaken under the scheme	Responsible Department
NDRNDRF (NCCF)	Relief assistance	100 percent Central Govt	Cash relief	Department of Revenue
SDRF (CRF)F (NCCF)	Relief assistance	75 percent central government, 25 percent state	Cash relief	Department of Revenue
Planning Board	Capacity building	100% Centre 100 percent Central Govt	Trainings, educational materials for public awareness, mock drills	Department of Revenue
Various sections	Preparedness and mitigation	from the budget of the department	DRR, Preparedness and Mitigation	Various sections
istrict Planning Board	Any public function	MP and MLA Help and Grant	Preparedness, Capacity Building and Rehabilitation	Local organization and various departments
Assistance from outside organizations	DRR programs for rehabilitation, mitigation and preparedness	xternal, bilateral or multilateral arrangements	Infrastructure improvements, technology interventions and technical studies in the DRR programme	Department of Revenue
donor	any one	All donations are in cash or in kind	any one	DDMA/TDMA
CSR	Corporate	Three percent of the profit	any one	Charity Commissioner

Public appeal	Immediate relief	Fully or partially external fund	Immediate relief and reconstruction	and Corporate DDMA/TDMA
---------------	------------------	----------------------------------	-------------------------------------	-------------------------

Financial budget for various activities of DDMP at district level which can be done from the departmental budget. Activities involving mitigation, capacity building, rehabilitation can be filled in the following form... Estimate (To be prepared by the Collector's office as per the cost estimate of DDMP)

Necessity	Description	Remark
Human Resources		
1. Disaster Management Officer at District 2. Allocation of special grants for tribal taluks by Khed Brahma, Office of Tribal Affairs. t Level Shri	Full time staff to implement the DDMP.	As per government norms
2. Allocation of special grants for tribal taluks by Khed Brahma, Office of Tribal Affairs.	o install fire extinguishers for MDM centers, schools and FPS centers of talukas	
Allocation of grant under Sarva Siksha Abhiyan Mission	In every school, regular drills are conducted, fire extinguishers are regularly repaired and refilled.	
Capacity building of municipal fire department	Purchase of equipment, recruitment of staff, continuous training and evaluation	
TEOC at taluka level	EOC should be formed at taluka level as well as district level	
Regular appointment of staff at district level	Regular appointment of staff at district level	
Capacity building of District Emergency Operation Center	Enhance facilities at DEOC	

## Annexure-1

### 11.1 District Disaster Management Committee (DDMC)

Designation	Contact no.	Address
Collector	02772-241001	Collector Office Himatnagar
Resident Additional Collector	02772-246012	Collector Office, Himatnagar, Sabarkantha
District Development Officer	02772-242350	District Panchayat Himatnagar, Di. Sabarkantha
Executive Engineer State	02772-241651	Opposite Subjail, Himatnagar
Executive Engineer ( R&B) Panchayat	02772-241873	District Panchayat Himatnagar, Di. Sabarkantha
Executive Engineer (Irrigation) State	02772-245219	Irrigation Bhawan, Himatnagar.
Executive Engineer (Irrigation) Panchayat	02772-246669	Irrigation Bhawan, Himatnagar.
Executive Engineer (UGVCL)	02772-228260	Himatnagar, Motipura
Executive Engineer (Water Supply)	02772-242172	Bypass Road, Himatnagar.
General Manager (Telecom)	02772-246800	Telephone Exchange, Sabarkantha.
District Health Officer	02772-246422	District Panchayat Himatnagar, Di. Sabarkantha
District Superintendent of Police	02772-241303	Police Headquarters-Himatnagar Di. Sabarkantha
District Home Guards Commander	02772-240616	Police Headquarters-Himatnagar Di. Sabarkantha
District Primary Education Office	02772-240694	District Panchayat Himatnagar, Di. Sabarkantha
Deputy Collector-Headquarters	02772-240946	Collector Office Himatnagar
Deputy Director of Information	02772-240699	Multi Storey Building, Himatnagar
Chief Fire Officer	02772-246720	Municipality, Himatnagar
District Conservator of Forests	02772-240753	Multi Storey Building, Himatnagar
Nominated Members		
President, District Panchayat	02772-240705	District Panchayat Sabarkantha
Member of Parliament	02772-250144 011-23093239	Himatnagar
Chairman-	02772-250145	Social Justice Committee District Panchayat
Women Representative – District Panchayat	02772-240123	Himatnagar
NGO RepresKaushalkuvar Ba	02772-214589	Hapa Ta-Himatnagar
NGO representative	02772-25689	Ujas Trust. Shivam Society

## Disaster Risk Reduction Post-2015

Post 2015, there has been a significant shift from the approach of Managing Disasters to Managing Risk. The three landmark global agreements viz. –the Sendai Framework for Disaster Risk Reduction 2015-30 (SFDRR), Sustainable Development Goals (SDG) and the Paris Agreement (CoP21) set the stage for future global action on Disaster Risk Reduction (DRR), sustainable development and climate change.

## Sendai Framework of Actions for Disaster Risk Reduction 2015-2030

The Sendai Framework for Disaster Risk Reduction 2015-2030 (SFDRR) was adopted at the Third United Nations World Conference on Disaster Risk Reduction held in Sendai, Japan in March 2015. The SFDRR is a document that outlines four priorities for action to achieve 7 targets, which in turn would lead to one outcome which is-a substantial reduction of disaster risk and losses in lives, livelihoods, health, the economy of persons, businesses, communities and countries. India is a signatory to the Sendai Framework for a 15-year, voluntary, non-binding agreement that recognizes that the State has the primary role in reducing disaster risk, but that responsibility should be shared with other stakeholders including local government, the private sector and other stakeholders.

### The Four priorities of action are:-

1. Understanding Disaster Risk
2. Strengthening Disaster Risk Governance to Manage Disaster Risk
3. Investing in Disaster Risk Reduction for Resilience
4. Enhancing Disaster Preparedness for Effective Response and to 'Build Back Better' in Recovery, Rehabilitation and Reconstruction

### The seven global targets are: -

- A. Substantially reduce global disaster mortality by 2030, aiming to lower the average per 100,000 global mortality rate in the decade 2020-2030 compared to the period 2005-2015
- B. Substantially reduce the number of affected people globally by 2030, aiming to lower the average global figure per 100,000 in the decade 2020-2030 compared to the period 2005-2015
- C. Reduce direct disaster economic loss in relation to global gross domestic product (GDP) by 2030
- D. Substantially reduce disaster damage to critical infrastructure and disruption of basic services, among them health and educational facilities, including through developing their resilience by 2030
- E. Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020
- F. Substantially enhance international cooperation to developing countries through adequate and sustainable support to complement their national



actions for implementation of this Framework by 2030

- G. Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to the people by 2030

## **Sustainable Developmental Goals**

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by all United Nations Member States in September 2015 as a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by 2030. The 17 SDGs are integrated—that is, they recognize that action in one area will affect outcomes in others, and that development must balance social, economic and environmental sustainability. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests. To make the 2030 Agenda a reality, broad ownership of the SDGs must translate into a strong commitment by all stakeholders to implement the global goals.

## **Paris Agreement on Climate Change Action and Disaster Risk Reduction (CoP 21)**

The CoP 21 the Paris Climate Conference held in December 2015 led to a new international climate agreement, applicable to all countries, aiming at “holding the increase in the global average temperature to well below 2°C above-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels, recognizing that this would significantly reduce the risks and impacts of climate change”. The Paris Agreement recognized the need for loss and damage associated with the effects of climate change. The agreement identified areas of cooperation central to DRR and called for investments to address the underlying risk drivers associated with rising greenhouse gas (GHG) emission levels and to inspire innovation and low-carbon growth.

The State Disaster Management Plan (SDMP) has tried to envisage coherence across the states.

Efforts for DRR, sustainable development, and the actions in response to climate change.

### **Prime Minister’s 10-Point Agenda towards Disaster Risk Reduction**

The Prime Minister, Shri Narendra Modi, listed a Ten -Point Agenda in his inaugural speech at the Asian Ministerial Conference on Disaster Risk Reduction 2016, held in New Delhi in November 2016 (AMCDRR), which has also been incorporated in the SDMP. The ten key elements consist of the following:

1. All development sectors to imbibe principles of Disaster Risk Management
2. Work towards risk coverage for all-starting from poor households to small and medium enterprises to multi-national corporations to nation states.
3. Encourage greater involvement and leadership of women in disaster risk management.
4. Invest in risk mapping globally related to hazards such as earthquakes based on widely accepted standards and parameters.



5. Leverage technology to enhance the efficiency of disaster risk management efforts.
6. Develop a network of universities to work on disaster issues.
7. Utilize the opportunities provided by social media and mobile technologies.
8. Build on local capacity and initiative. Response agencies need to interact with the communities and make them familiar with the essential drill of disaster response.
9. Ensuring that disaster learning is well documented.
10. Bring about greater cohesion in international response to disasters.

## Appendix - 2

### Classification of Risk and Susceptibility

Sabarkatha district faces many dangers in which the threat of disaster is imminent. The threat (hazard) and potential impact (susceptibility) that actually arise from such hazards are magnified by the impact of a small incident on a single village rather than an incident affecting the entire state. The table below summarizes the results of hazard, hazard and disaster impact analysis of Sabarkatha District. The data from this analysis show that operational response to flood events in disaster planning at the Saab 2 Katha district level is associated with response to flood, hail storm and dam failure events. Precise response to such disaster events can also be used in fire, industrial accidents, critical infrastructure failures and building collapses.

Risk	Rate of probability	Rate of effect	Sensitivity level	Vulnerable Areas/Talukas
blow the wind	4	3	12	KhedBrahma, Idar
Sea waves	0	0	0	
drought	1	0	0	Khedbrahma
Fire	5	5	25	The entire district is prone to fire
Industrial accidents	5	4	20	Prantij, Himatanagar
spill the oil	4	3	12	Prantij, Himatanagar
Earth Quake	2	3	6	The entire district is in Zone III of Earthquake.
Heat wave	5	3	15	The entire district

Risk	Rate of probability	Rate of effect	Sensitivity level	Vulnerable Areas/Talukas
Railway	5	5	25	Prantij and Himatnagar Taluka
Road Accident	5	5	25	The entire district
Flood	5	4	20	Khedbrhma, Vijaynagar,
Terrorism	3	3	9	Himatanagar
Collapse of important infrastructure	1	4	4	The entire district
shipwreck	0	0	0	
The building collapses	1	2	2	The entire district
A hail storm	4	4	16	The entire district
Land slide	3	3	9	Khedbrhma
infectious disease	4	4	16	The entire district
animal disease	3	3	9	The entire district
Food poisoning	5	3	15	The entire district
Dam Collapse	2	4	8	Dharoi, Guhai
internal turmoil	1	1	1	The entire district

Note :- Costs 1.1, 1.2, and 1.3 are mentioned further to understand the above cost 1 risk and sensitivity classification.

Table :-1.1 Determining Probability Rate:

Considering the probability of hazards and history of disasters, Sabarkatha district has been categorized according to the column below the probability of various disasters.

probability	probability rate (digits)	detail
permanent possibility	5	A regular thump about once in a verse
potential	4	An infrequent thump about once in 2 verses
Mild probability	3	An infrequent thump about once in 5 verses
Sometimes	2	A frequent thump about once in 20 verses
rarely	1	An infrequent thump about once in 20 to 50 verses

Table 1.2 Determining the rate of impact

The potential magnitude or impact of each risk is assessed keeping in view the past events and the rate of impact is indicated as per the cost below.

Effect	Rate of effect	Detail
Destroyer	5	Mass insecurity Potential for heavy casualties Need for large-scale assistance to large sections of the population Urgent need for technical assistance Need for large-scale technical assistance
Mathi	4	The threat of insecurity among all people, with particular impact on vulnerable groups and vulnerable people, necessitates the need for public rescue during emergencies, requiring additional administrative planning and technical trainin.
lighten up	3	Safety threat to certain groups, need for guaranty during certain types, threat to groups unable to defend themselves
Normal	2	Local people and groups can respond to temporary insecurity, local organizations can respond to local communities with technical assistance.
negligible	1	Threats to the safety of certain groups The need for certain forms of protection for groups that cannot defend themselves

Probability and	Rate of effect and yield				
	Negligible 1	General 2	Mild 3	Mathi 4	Destroyer 5
Permanent Potential (5)	low (5)	medium (10)	medium (15)	tall (20)	tall (25)
Possible ( 4)	low (4)	medium (8)	medium (12)	tall (16)	tall (20)
Mild probability (3)	low (3)	low (6)	medium (9)	medium (12)	medium (15)
Sometimes (2)	low (2)	low (4)	low (6)	medium (8)	medium (10)
Rarely (1)	low (1)	low (2)	low (3)	low (4)	low (5)

## Appendix – 2

### Information About Boat And Ferry

No	Name of Taluka	Organization Name- Address	Premukh/ Chairman/ Minister	Details of boat availability
1	2	3	4	5
1.	Khedbrahama	Khedbrahama Taluka Fisheries Cooperative Society Ltd. Kanthapura Po.Gundel	Dilipsingh Vaadhela mu.po. Roya Ta. KhedBrahma Phone :- 21383	25
2.	Khedbrahama	Shri Tuvere Vikharan Cooperative Society Ltd. Mu.Vikharan Po.Uchi Dhanal	Kevadabhai Kehrabhai Dabhi Mu.Tuvar dt. KhedBrahma Ph:200895	25
3.	Himatnagar	The Cooperative Fisheries Co-operative Society Ltd. Himatnagar	Usmanbhai Sultanshah Banwa Himatnagar Phone :200275	10 Guhai Dam site
4.	Vijayanagar	The Vijaynagar Cooperative St Fisheries Co-operative Society Ltd. Vanthol Ta. Vijaynagar	Shakraji kathodia, Tel- 254454 Mu.po.Vanthol Ta. Vijaynagar	12 Harnav Dam Site

## Appendix- 4

### Details of Sabarkantha Minor Irrigation Scheme

Minor Irrigation Scheme-2023 District-Sabarkantha								
Total storage capacity and quantity of water available as on 30/04/2023								
Name of Department:- Sabarkantha Panchayat Irrigation Department, Himmatnagar								
No	Taluko	Village	Minor Irrigation Scheme's Name	(FRL) M	Maximum surface area (HFL) m <sup>2</sup>	Gross Storage (MCM)	Dt.30/04/2024 Present Water Level	Affected villages
1	2	3	4	5	6	7	8	9
1	Talod	Timba	Timba	34.03	34.33	2.32	0.20	Gambhirpura, Ujadia, Navavas
2	Himmatnagar	Dhundhar	Dhundhar	29.26	29.87	0.10	0.00	Vejarap no math
3	Himmatnagar	Kojan (Hathrol)	Kojan (Hathrol)	142.80	145.39	3.55	0.32	Ranasan
4	Himmatnagar	Manorpur	Manorpur	27.75	28.65	0.53	0.06	Desasan
5	Himmatnagar	Rupal	Rupal	28.65	29.25	0.07	0.00	Rupal
6	Himmatnagar	Vagdi	Vagdi	44.50	46.35	0.99	0.07	Vagdi, Bhukhyadera
7	Himmatnagar	Rajendranagar	Rajendranagar	207.60	208.50	0.73	0.00	Rajendranagar
8	Idar	Deshottar	Deshottar	101.00	101.90	0.14	0.00	Deshottar
9	Idar	Motakotda	Motakotda	178.60	181.05	3.28	0.40	Motakotda
10	Idar	Poshina	Poshina	28.65	29.57	0.22	0.00	Poshina
11	Idar	Rani	Rani	26.21	26.50	0.63	0.15	Rani, Gambhirpura, laloda
12	Idar	Ruvach	Ruvach	90.50	93.50	0.22	0.00	Ruvach
13	Idar	Sabalvad	Sabalvad	90.30	91.50	0.75	0.00	Sabalvad
14	Idar	Vasai	Vasai	100.00	100.90	0.28	0.00	Vasai
15	Khedbrhma	Agiya	Agiya	29.57	30.17	0.65	0.00	Agiya
16	Khedbrhma	Bahediya	Bahediya	25.30	26.20	0.15	0.00	Bahediya
17	Khedbrhma	Chikhali	Chikhali	98.00	99.00	0.14	0.00	Chikhali
18	Khedbrhma	Dijiyo	Dijiyo	106.45	107.60	1.72	0.11	Dijiyo, Jadisebal
19	Khedbrhma	Gadhda Shamalaji	Gadhda Shamalaji	23.47	24.10	0.33	0.05	Gadhda Shamalaji
20	Khedbrhma	Kanthapur	Kanthapur	30.95	31.55	0.16	0.00	Kanthapur
21	Khedbrhma	Khergadh	Khergadh	49.50	50.11	0.42	0.00	Khergadh
22	Khedbrhma	Matoda	Matoda	29.57	30.18	0.64	0.00	Matoda
23	Khedbrhma	Nava mota	Nava mota	102.00	103.00	0.16	0.00	Nava mota
24	Khedbrhma	Padhara	Padhara	97.50	98.50	0.49	0.00	Padhara
25	Khedbrhma	Radhivad	Radhivad	99.10	100.00	0.24	0.00	Radhivad
26	Khedbrhma	Sabaliya	Sabaliya	100.50	101.50	0.15	0.00	Sabaliya
27	Khedbrhma	Unchi Dhanal	Unchi Dhanal	29.25	30.85	0.51	0.04	Unchi Dhanal
28	Khedbrhma	Valaran	Valaran	101.55	102.55	0.34	0.03	Valaran
29	Khedbrhma	Vartol	vartol	100.50	101.50	0.27	0.00	vartol
30	Khedbrhma	Sitol	Sitol	100.00	-	0.24	0.00	Sitol
31	Poshina	Chandrana	Chandrana	113.50	114.80	0.31	0.33	Chandrana
32	Poshina	Dantral	Dantral	99.00	100.00	0.31	0.00	Dantral
33	Poshina	Dotad	Dotad	107.10	109.00	0.78	0.00	Dotad, Ganer
34	Poshina	Ganer	Ganer	99.00	100.20	0.16	0.00	Ganer
35	Poshina	Kalakhetra	kalakhetra	29.40	90.80	0.49	0.00	kalakhetra
36	Poshina	Koland	Koland	101.00	102.00	0.14	0.00	Koland



GSDMA

## Sabarkantha District Disaster Management Plan (DDMP) - 2024

37	Poshina	Kotda	Kotda	93.50	94.40	0.30	0.00	Kotda
38	Poshina	Lakhiya	Lakhiya	90.45	93.00	0.37	0.10	Lakhiya
39	Poshina	Mathasara	Mathasara	95.70	97.25	0.25	0.00	Mathasara
40	Poshina	Salera	Salera	100.00	101.20	0.12	0.00	Salera
41	Poshina	Vinchhi	Vinchhi	95.00	96.00	0.18	0.00	Vinchhi
42	Vadali	Bhavangadh	Bhavangadh	25.61	26.50	0.40	0.00	Bhavangadh
43	Vadali	Lakhera	Lakhera	30.49	31.40	0.36	0.02	Lakhera
44	Vadali	Mahor	Mahor	30.48	30.50	0.13	0.00	Mahor
45	Vadali	Nadri	Nadri	28.28	28.88	0.16	0.00	Nadri
46	Vadali	Vadali (samleshvar)	Vadali (samleshvar)	29.97	30.88	0.27	0.00	Vadali (samleshvar)
47	Vijaynagar	Aamodara	Aamodara	108.30	110.68	0.68	0.00	Aamodara
48	Vijaynagar	Chamthan	Chamthan	109.70	115.50	0.52	0.00	Chamthan
49	Vijaynagar	Gadi	Gadi	95.25	96.25	0.73	0.18	Gadi
50	Vijaynagar	Khuriberi	Khuriberi	90.00	91.73	1.48	0.03	Khuriberi
<b>Total Storage</b>						<b>28.56</b>	<b>1.76</b>	

## Appendix – Himmatnagar Irrigation Scheme Circle, Himmatnagar.

### General Introduce :-

The main rivers in Sabarkantha district are Sabarmati, Hathmati, Harnao, Guhai and Khari are. Sabarkantha district has Guhai, Harnao-1 and R, Khedwa, Jawanpura and Gorthia barrage projects. As part of warning system in case of flood storm or other emergency situation, wireless system at closed site of Guhai, Harnao-1 & 2, Indrasi, and Hathmati, Khedwa, Jawanpura Gorthia schemes and Idargarh (repeater station) as well as floodcell, Sinchai Bhawan, Himmatnagar are owned by this circle. Is performed. Messages received from floodcell at Gandhinagar are forwarded to floodcell at Himmatnagar. Himmatnagar

From (Phone No. 02772-241669, 241857) all the offices and closed places belonging to this circle are informed to take immediate action by issuing warning messages. At each wireless station, Tantric personnel are assigned duty in three shifts and inform Floodcell, Himmatnagar about the action taken.

### **District Control Romm For Irrigation dept. minor Scheme :-**

Flood cell, irrigation office, Himatnagar (02772) 241669,

Fax No. : (02772) 241857

2.0 Fax Number of Focal Officer's Office: -

Name of the office	Code No	Phone number
Superintending Engineer, Himmatnagar Irrigation Scheme Circle, Himmatnagar.	02772	240771

**3.0 Himmatnagar Irrigation Scheme Circle****Himmatnagar. Detail of wireless stations to be manned.**

No.	wireless station	phone number	Location details.
1	Nodal Level Flood Cell, Himmatnagar	02772-241669	Irrigation Bhawan, Behind Durga Oil Mill, Himmatnagar
<b>Sabarkantha District</b>			
1	Guhai Dam Site	02772-291596	Guhai Dam site, kaniyol
2	Harnav-2 Dam Site	02775-254047	Harnav-2 Dam Site, Near Vanaj , Ta. Vijayanagar
3	Idargadh Repeater Station	02778-250445	Idargarh, Idar (to exchange messages from Harnav-2 Dam to Floodcell, Himmatnagar)
4	Badoli	--	Near Badoli Village (Rain Gauge and River Gauge Station)
5	Jawanpura	02770-257702	At Jawanpura Dam Site
6	Karol Dam	--	Karol Dam (Dt. Prantij)
7	Khedva	02775-220213, 291142	Khedwa Dam
8	Gorthia	02770-291376	Gorthia Dam.
9	Hathmati Dam Site	02771-277486, 277434	At Hathmati Dam Site

**The following measures have been taken for the security of the closed places belonging to the office here.**

- (1) Keeping the control room open 24 hours/7 days at the Dam site.
- (2) Don't permit the passage of any unauthorized vehicle or person over every Dam Site place
- (3) Emergency lights should be kept ready over Dam site. Some flood lights should be kept on at night.
- (4) To be prepared to take action as per emergency time.
- (5) Responsible officer to be present at headquarters and make alternate arrangements in his absence.
- (6) Watchmen during the night in the Dam site place shall be vigilant for the necessary safety in the Dam site place and shall not be lax in duty.



#### 4.0 The details required as part of safety are as per Annexure No. 1 to 18.

### Sheet-1 Sabarkantha Himmatnagar Irrigation Scheme Circle, Himmatnagar.

No.	Name of Taluka	Name of the dam	Surface of the Reservoir				Reservoir Level in Meters (Rule Level) as on Dt. 11-10-2023
			Full reservoir surface		Maximum flood surface		
			Meter	Ft	Meter	Ft	
1	Himmatnagar	Guhai	173.00	567.58	174.02	570.92	170.32
2	Vijayanagar	Harnav-2	332.00	1089.29	333.35	1093.65	331.50
3	Talod	Javanpura Barrage	91.00	298.55	94.70	310.69	91.00
4	Khedbrahma	Khedva	259.70	852.02	259.70	851.02	258.25
5	Talod	Gorthiya Barrage	110.43	362.21	113.75	373.19	110.43
6	Himmatnagar	Hathmati	180.75	593.00	183.18	600.98	178.64

2.0 During the monsoon season the water level in the reservoir is to be maintained at a certain level called "rule level" on the first day of that month, taking into account the previous years' water coverage. Due to this fixed "rule level" water is released from the reservoir as per the instructions of the superior officer/employee even though the reservoir is not fully filled during the monsoon season.

### Sheet -5/1

## Guhai Reservoir Scheme, Dist. Sabarkantha

Himmatnagar Irrigation Scheme Circle, Himmatnagar. A table showing the details of the Villages affected by the quantity of water released from the schemes Name of the Scheme:-  
Guhai Reservoir Scheme

Cumecs	District	Villages Signal		
Cusecs	Taluko	White Signal	Blue Signal	Red Signal
2831.65	Sabarkantha			
100000	Himatnagar	Khandhol		
3539.57	Sabarkantha	Bholano math	Khandhol	
125000	Himatnagar	Rampur		
		Karanpur		
3964.32	Sabarkantha	Kump	Bholano math	Khandhol
142000	Himatnagar		Rampur	
			Karanpur	
5380.15	Sabarkantha	Khanusa	Kump	Bholano math
190000	Himatnagar	Kaniyol		Rampur
		Torniya Kampa		Karanpur
		Demoi		
5493.41	Sabarkantha		Khanusa	Kump
194000	Himatnagar		Kaniyol	
			Torniya Kampa	
			Demoi	
5493.41 And Above	Sabarkantha			Khanusa
194000 And Above	Himatnagar			Kaniyol
				Torniya Kampa
				Demoi

#### Remarks

White Signal : Alert  
Blue Signal : Be prepared for Shifting  
Red Signal : Shifting immediately.

Sheet 5/2

Harnav-2 Reservoir Scheme, Dist. Sabarkantha  
Himmatnagar Irrigation Scheme Circle, Himmatnagar.

Table showing the details of the villages affected by  
the quantity of water released from the owned schemes

Name of the Scheme:- Harnav-2 Reservoir Scheme

Cumecs	District	Villages Signal		
Cusecs	Taluko	White Signal	Blue Signal	Red Signal
566.33	Sabarkantha			
20000	Khedbrhama	Shilvaad		
1132.66	Sabarkantha			
40000	Khedbrhama	Vagha kampa	shilvaad	
		Sadhara kampa		
1699	Sabarkantha			
600400	Khedbrhama		Vagha kampa	shilvaad
			Sadhara kampa	
	Sabarkantha			
	Vijaynagar	Antarsumba		
		Matoli		
		Bandhana		
		Virapur		
		Antari		
2123.74	Sabarkantha			Vagha kampa
75000	Khedbrhama			Sadhara kampa
	Vijaynagar	Abhapur	Antarsumba	
			Matoli	
			Bandhana	
			Virapur	
			Antari	
2406.9	Sabarkantha		Abhapur	Antarsumba
85000	vijaynagar			Matoli
				Bandhana
				Virapur
				Antari

Remarks

White Signal : Alert

Blue Signal : Be prepared for Shifting

Red Signal : Shifting immediately

### Sheet -5/3

#### Jawanpura Reservoir Scheme, Di. Sabarkantha

Himmatnagar Irrigation Scheme Circle, Himmatnagar.

Table showing the details of the villages affected by the quantity of water released from the owned schemes

**Name of the Scheme:- Jawanpura Reservoir Scheme**

Taluko Talod		Taluko : Dahegam	
No	Village Name	No	Village Name
1	Badodara	1	Vadol
2	Panapur	2	baval ni muvadi
3	Nana	3	Masung
4	Simliya	4	khakhra
5	Gadhval		
6	lala ni muvadi		
7	Mahekal		

### Sheet -5/4

#### Khedwa Reservoir Scheme, Di. Sabarkantha

Himmatnagar Irrigation Scheme Circle, Himmatnagar.

Table showing the details of the villages affected by the quantity of water released from the Hasta schemes

**Name of the Scheme:- Khedwa Jalashaya Yojana**

Taluka:- KhedBrahma	
No	Village Name
1	Basola
2	Nava nana
3	Bhutiya
4	Paroya
5	Rodhara
6	Jagannathpura
7	Sitol
8	Bordi
9	Vartol

Sheet -5/5

Gorthia Reservoir Scheme, Di. Sabarkantha

Himmatnagar Irrigation Scheme Circle, Himmatnagar.

A table showing the details of the villages affected by the quantity of water released from the schemes

Name of the Scheme:- Gorthia Reservoir Scheme, Talod

Taluko : Talod			
No	Village Name	No	Village Name
1	Mohanpur	8	Surpur
2	Varvada	9	Vastaji na movada
3	Takar	10	Jethaji na movada
4	Mota Chekhala	11	Antroli
5	Ratanpur	12	Tajpur
6	Lavari	13	Harsol
7	Kathvada		

Sheet-5/6

Hathmati (Indrasi) Reservoir Scheme,G. Aravalli

Himmatnagar Irrigation Scheme Circle, Himmatnagar.

A table showing the details of the villages affected by the quantity of water released from the schemes

Name of the Scheme:- Hathmati (Indrasi) Reservoir Scheme

Ungated scheme

Taluko :- Himmatnagar.			
No	Village Name	No	Village Name
1	Fatehpura	13	Chandrani
2	Khaprerta	14	Khed
3	Medirimba	15	Champlanar
4	Mankadi	16	Mordungra
5	Motipura	17	Ambavada
6	Kadodari	18	Jambudi
7	Vasna (Chandrani)	19	Balavantpura
8	kesarpura	20	kump
9	Amrapur	21	Surpur
10	Purthvipura	22	Demai
11	Himatnagar	23	Pratappura
12	Rajpura (Nava)	24	Balochpur

Sheet-6  
**Detail of road connecting dam site**

Sabarkantha District

No	Detail of the dam	Road Detail/Status
1	Guhai Reservoir Scheme	Tejpura, Jamla District Panchayat Owned Jamla Kaniyol Dam District Panchayat Asphalt Road 10 km. Dam site is 3 km from Kaniyol Rampur Kaniyol owned by District Panchayat. Asphalt Road
2	Harnav – 2 Reservoir Scheme	Eder, Intersuba, Abhapur, Vijayanagar State Highway Vijaynagar Eder State Highway Approach Asphalt Road Zilla Panchayat Owned 9 KM.
3	Jawanpura Recharge Scheme	4.50 km from Salatpur Chowk to Jawanpura Road near Harsol on Ahmedabad Highway. 15 KM from Asphalt Road, Talod. Asphalt road owned by Irrigation Department
4	Khedwa Reservoir Scheme	From Khedbrahma to Vartol to Khedwa Site Asphalt Road 15 KM.
5	Gorthia Reservoir Scheme	From Ahmedabad-Modasa Highway to Harsol to Gambhoi Road to Mohanpur Patia to Gorthia Dam



Important Telephone Numbers of Associated Officers of Sabarkantha District of Himmatnagar Irrigation Scheme Circle

No	Officer's Name	Designation and Offices	Subordinated Schemes	Telephone number				Email
				Offices	Fax	Personal / Residential	Mobile No	
1	Shri M L Patel (In Charge)	Su.Er. and Focal Officer, Himmatnagar Irrigation Scheme Circle, Himmatnagar.	All schemes of Sabarkantha and Aravalli district	02772-240771, 240048	02772-241770	--	9909028747	<a href="mailto:Sehipcune2012@gmail.com">Sehipcune2012@gmail.com</a>
2	Mr. D.K.Patel (in charge)	Ex.Er. and Nodal Officer, Sabarkantha District Floodsel Himmatnagar.	All Schemes of Sabarkantha District	02772-241669, 242710	02772-241857	02772-242836, 241111	9428220728	<a href="mailto:floodcellhimatnagar@yahoo.com">floodcellhimatnagar@yahoo.com</a>
3	Mr. D.K.Patel (in charge)	Ex.Er. Himmatnagar Irrigation Department, Himmatnagar.	Hathmati, Javanpura	02772-242710	02772-242836	02772-242836	9428220728	<a href="mailto:eehidn@yahoo.com">eehidn@yahoo.com</a>
4	Mr. S.Z. Kishori (in charge)	Ex.Er., Scheme Construction Department No.-3, Himmatnagar.	Guhai	2772-245056	02772-245301	02772-245301	8980101585	<a href="mailto:exepcdn3@yahoo.com">exepcdn3@yahoo.com</a>
5	Mr. D.K.Patel (in charge)	Dy.Ex.Er., Himmatnagar Irrigation Sub Division. Himmatnagar	Hathmati	02772-291103		02772-232685	9428220728	<a href="mailto:deehisdn2020gmail.com">deehisdn2020gmail.com</a>
6	Mr. AM Patel	Dy.Ex.Er., Shri, Guhai Nehar Sub Division, No-5	Guhai	02772-245251	--	--	8980101585	<a href="mailto:eeewpcdn@gmail.com">eeewpcdn@gmail.com</a>
7	Mr. K.U. Damor	Dy.Ex.Er., Harnav Sub-Division-2. Vijayanagar	Harnav-2	02775 254051	--	--	9601699750	<a href="mailto:deeharnav2@yahoo.com">deeharnav2@yahoo.com</a>
8	Mr. K.U. Patel	Dy.Ex.Er., Guhai Canal Sub-Division-1 in Khedbhrama	Khedva	02775 291142	--	--	9426219895	<a href="mailto:deegcsdn1@gmail.com">deegcsdn1@gmail.com</a>

## Sheet-8

## Himmatnagar Irrigation Scheme Circle, Offices Owned Vehicles Details.

No	Office Name	Vehicle details				Special note
		Jeep	Truck	Water Tanker	Tractor	
1	2	3	4	5	6	7
Sabarkantha District						
1	Executive Engineer, Scheme Construction Division-3, Himmatnagar.	5	0	0	0	
2	Executive Engineer, Himmatnagar Irrigation Department, Himmatnagar.	4	0	0	0	

## Sheet-9

## Details of Major Irrigation Schemes of the District..

No	Name of Taluka	Name of the dam	Telephone		surface of the reservoir		Scary surface.		Number of villages affected by floods
			Code	Number	Meters	Feet	Meters	Feet	
1	2	3	4	5	6	7	8	9	10
Sabarkantha District									
1	Himmatnagar	Hathmati	02771	277486	180.75	593.00	183.18	600.98	27
2	Himmatnagar	Guhai	02772	291596	173.00	567.58	174.54	572.63	17
3	vadali	Dharoii	02761	262352	189.59	622.00	192.24	630.70	-
4	vijaynagar	Harnav-2	02775	254047	332.00	1089.23	333.35	1093.65	9
5	khedbhmma	Khedva	02770	291142	259.70	852.02	259.70	852.02	9
6	Talod	Javanpura	02770	291482	91.00	298.55	94.70	310.69	11



## Sheet-8

### A sheet detailing the villages along the river

No.	Taluko	Rivar	detailing the villages along the river	No. of Villages
1	Himatnagar	Sabarmati	Mahadevpura (Khedawada), Khedawada, Kadoli, Pethapur, Dedhrota, Derol, Saibapur, Saroli,	8
		Hathmati	Nakhi, Khapareta, Meditimba, Naroda, Fatepur, Mankadi, Siholi, Kadodari, Jambudi, Khandhol, Vasana (Kump), Rampur (Go), Nani Demai, Nava, Dhandha, Balwantpura, Parbada, Himmatnagar, Katwad, Tajpuri, Rajpur (Nava), Amrapur	22
		Debhol	Sachodar, Pimpodar	2
2	Prantij	Hathmati	Ged, Waghpur, Morwad, Moyd, Katwad, Sampad,	6
		Sabarmati	Waghpur, Ged, Sadolia, Galesara, Poyda, Sitwada, Indrajpur, Oran, Morwad, Sampad,	10
		Khari	Chhadarada, Nikodia, Asaroda, Mauchha, Waghrota, Mahadevpura, Morali, Jainpur, Lalpur, Baini Muwadi (Jainpur), Mavani Muwadi, Dalani Muwadi, Badarni Muwadi, Punadara, Padhayda, Tajpur	16
3	Talod	Kanjan	Charwanta, Warwada, Mohanpur	3
		Khari	Mudhasana	1
		Meshvo	Harsol, Aantrolivas dolaji, Aantrolivas punjaji, Sultanpur, Gadhvad, Badodara	6
4	Khedbrhma	Kausambi	Bordi, Valran, Basol, Bhutiya, Paroya, Rodhara, Jagnathpura, Shitol, Navanana, Khedva, Vartol, Padhara	12
		Sabarmati	Tuvar, Panthal, Ratanpur, Kheroj, Mohudi, Ambaigadha, Changod, Dholi, Vikharan, Kaleka, Gadhada (Sha), Navamota, Pathora, Dan mahudi, Begod.	15
		Harnav	Khedbrahma, Nichi Dhanal, Vasna, Galodiya, Jagmer, Padradi, Rudramala, Derol va(, Paroya, Jagnnathpura, Vagheshvari, Kalol, Valran, Shilvad, Laxmipura.	15
5	Vijaynagar	Harnav	Bandhna, Abhapur, Matali, Dholivav, Virpur, Antarsuba, Androkha, Bhupatgadh, Kundla.	9
6	Poshina	Sei	Anjani, Kali kankar, Ziznat, Ajasvas, Salera, Valsadi, Kathiya, Ganchhali, Khandhora, Kajhavas, Dantral,	11
		Sabarmati	Gunbhanhari, Delvada) Chho), Kukdi, Laxmanpura, Ganer, Demati, Lambadiya, Dantad, Tebda, Kharaniya, Choliya, Golvada,	12
		Panari	Bara, Koland, Chandrana, Poshina	4
7	Vadali	Sabarmati	Mahor, Surajpura, Jalampura, Fudeda, Rampur) Ku(	5
8	Idar	Sabarmati	Chandap, Golvada, Falasan, Sudrasana, Sundarpur, Bhavnagar, Eklara, Aarsodiya (Sapteshvar), Madhva, Patliya,	10
		Gaunvav	Ankala, Kukdiya, Badoli, Sherpur, Punjpur, Kadiyadra, Bhadresar, Budhiya, Bhanpur	9
		Bheska	Tasiya, Zinzava, Kanpur, Ganthiyol, Chitroda, Pratapgadh (Sa)	6

## Sheet-9

## Rescue kit and other equipment allocated by the government

( In 1 Kit : Life Jacket-10, Fiber Ring-10 Rope (Polypropylene Rope)- 200 Ft.1,100 Ft. -1)

Details of rescue kits distributed at taluka level.

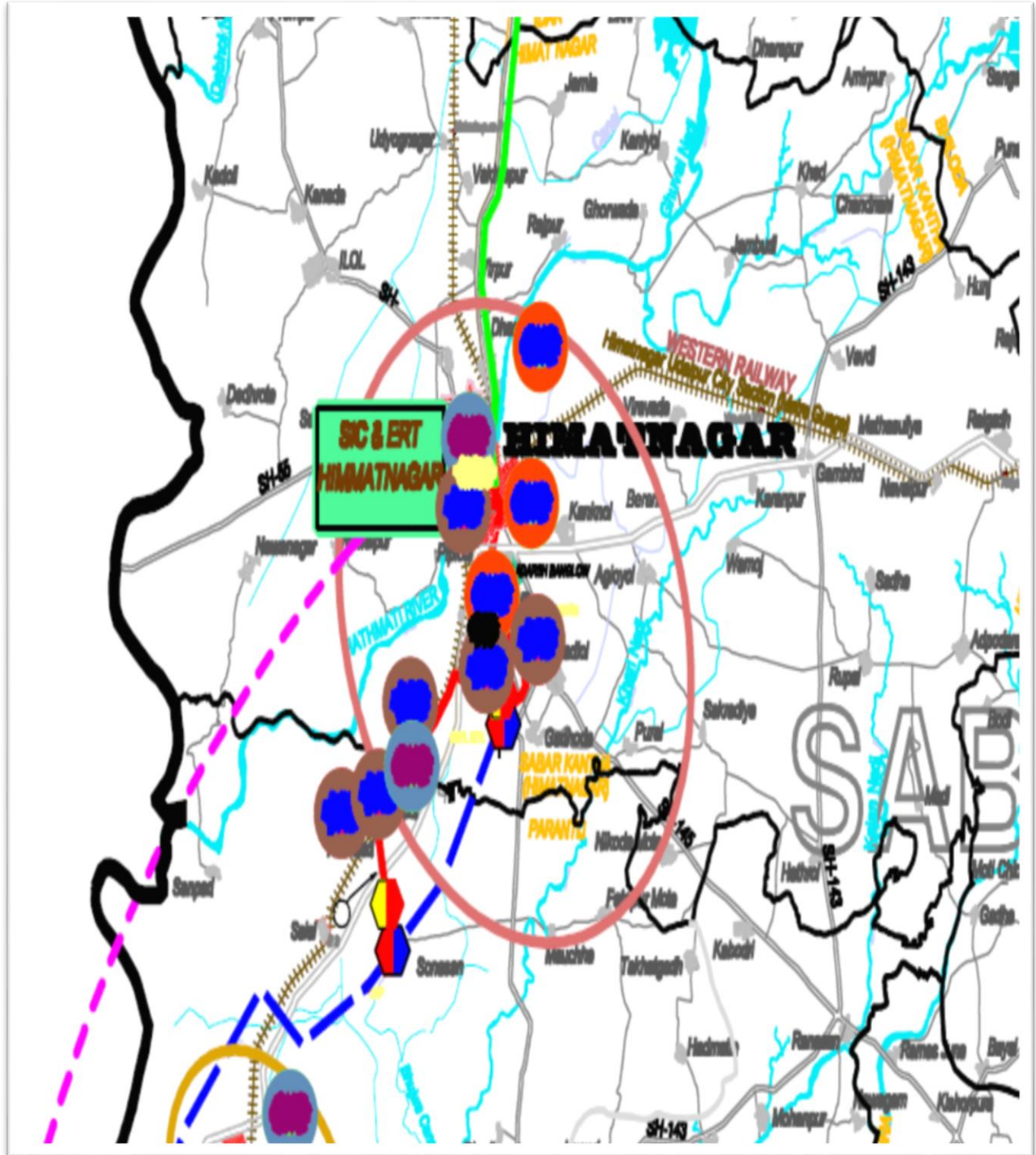
No	Name of Taluka	Life jacket	Life Boya	Rope	generator
1	Talod	5	16	2	1
2	Vijayanagar	5	10	3	1
3	Pratij	5	10	2	1
4	vadali	5	10	2	1
5	Khedbrahama	5	20	5	1
6	Himmatnagar	5	10	5	1
7	Idar	5	8	2	1
8	SDM-himmatnagar	5	0	0	1
9	SDM -Pratij	5	0	0	1
10	SDM-Idar	5	0	0	1
11	E.O.C.	5	5	10	1
12	D. Watering pump	Dist. Panchayat	5		
13	Satellite phone	Collector sir	1		
14	Mobile phone	E.O.C.	1 Not Working Condition		
15	TV set	E.O.C.	3		
16	Radio	E.O.C.	2		
17	Xerox Machine	E.O.C.	1		

## Sheet – 10

Sabarmati Gas Limited

### Emergency Contact Number –Sabarmati Gas Ltd Sabarkantha District

<b>Emergency Contact Number- 7574884716</b>		
<b>Head Office Control Room No- 9909022382, 9909022385</b>		
<b>Himmatnagar Customer Care Center- Land line (02772-244245)</b>		
<b>Himmatnagar SGL Officials Contact Numbers</b>		
Alternate-clc	Head-technical – sh,Deepak bhardwaj	9909960628
Site Incident Controller(SIC)	Rahul Kumar Singh	7991898959/ 9558087565
Administration communication Coordinator	Nikunj Chaudhary	9974323811
Fire Safety Coordinator	Palak Patel	9909564254
Support and Auxiliary Coordinator	AShish Patel	9428221482



## Appendix- 11

### Information on tools available with municipalities

N o	Name of Municipality	Number of available										
		Tractor	Jeep	Water Tanke r	Lod ar	Road Loadr	City Bus	Amb ulan ce	Fire Fig hter	Vacc um Tank er	D Water ing Pump	Water Broser
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Himatnagar	12	1	2	1	1	5	2	2	1	0	2
2	Idar	4	1	2	1	0	0	0	2	1	0	2
3	Prantij	1	0	1	1	0	0	0	1	0	0	1
4	Talod	2	0	2	0	0	0	0	1	1	0	0
5	Khedbrhma	2	0	1	0	0	0	0	1	1	0	1
6	Vadali	1	0	0	0	0	0	0	1	0	0	0
<b>TOTAL</b>		<b>22</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>7</b>

## District Level Officer

District Name :- Sabarkantha.					STD Code :- 02772
Sr. No.	Designation	Name	Mobile	Landline No.	E-mail ID
1	Collector	Shri N.N.DAVE	9978406221	241001/ 240600	collector-sab@gujarat.gov.in
2	DDO	Shri H.M.VORA	9978406246	242350	<a href="mailto:ddo-sab@gujarat.gov.in">ddo-sab@gujarat.gov.in</a>
3	S.P.	Shri VIJAY PATEL	9978405081	247333	<a href="mailto:sp-sab@gujarat.gov.in">sp-sab@gujarat.gov.in</a>
4	Resi.Addl. Collector	Shri K.A.VAGHELA	9978405219	246012	add-collector-sab@gujarat.gov.in
5	DY. DDO	Shri A.B.PARMAR	9624377055		dyddosk@gmail.com
6	Deputy Conservator Of Forest.	Shri S.D.PATEL	9574974902	—	dcfs41766@gmail.com
7	Dy.S.P.	Shri A.K. PATEL	9978412362	247233	<a href="mailto:sdpo-him-sab@gujarat.gov.in">sdpo-him-sab@gujarat.gov.in</a>
8	Chief District Health Officer	Shri RAJ SUTRAIYA	9687679002	246422	<a href="mailto:cdho-sab@gujarat.gov.in">cdho-sab@gujarat.gov.in</a>
9	Director DRDA	Shri K.P.PATIDAR	9978407487	242521	drda-sab@gmail.com
10	DSO	Shri K.K.CHODHARY	9426337660	240698	dso-sab@gujarat.gov.in
11	Medical Superintendent (Civil Hospital)	Shri DR. PARESH SHILADARIYA	8905309546	—	cdmo.health.himmatnagar@gmail.com
12	CDMO	Shri B.M.PATEL	9687833109		cdmo-sab@gujarat.gov.in
13	DEO	Shri MITABEN GADHAVI	9909970217	240793	deo.sabarkantha@gmail.com
14	DPEO	Shri K.D.UPADHYAY	9909971696	2240694	sabarkanthadpo@gmail.com
15	General Manager, DIC	Shri J.D NINAMA	9925194121		gm-dic-sab@gmail.com
16	Ass Director of Information	Shri NIDHI JAYSVAL	7878550956	—	dmo-sab@gmail.com
17	Port Officer, GMB	—	—	—	—
18	Chief Fire officer	Shri U.P.GADHAVI	7434926350	246720/2 46068	np-himatnagar@yahoo.com
19	Executive Engineer, R & B (State)	Shri H.J.SOLIYA	8980608079	241651	eenbhmt@gmail.com
20	Executive Engineer, R&B	Shri K.D. RATHOD	9825278854	—	sabarkantha1@yahoo.com

District Name :- Sabarkantha.					STD Code :- 02772
Sr. No.	Designation	Name	Mobile	Landline No.	E-mail ID
	(Panchayat)				
21	Executive Engineer, Irrigation (State)	Shri A.J.MAKAVANA	9712548830	240771	floodcellhimatnagar@yahoo.in
22	Executive Engineer, irrigation (Panchayat)	Shri D.P.RAJPOOT	9909921926	—	skjp.ej@gmail.com
23	Executive Engineer GWSSB	Shri K.K. BODAR	9978406943	245108	gssbeechmt@gmail.com
24	Superintendent Engineer, UGVCL	Shri G.J.DHNULA	8980301180	—	sehmt@ugvcl.gmail.com
25	Dy Director of Animal husbandry	Shri DR.N.D.MALVYA	9426566098	—	icos himatnagar@gmail.com
26	District Agriculture officer	Shri B.S.JOSHI	9898000356	—	daoskhmt@gmail.com
27	Program Officer ICDS	Shri Dr.K.S.CHARAN	9687679005	—	poicdssk@gmail.com
28	Director Industrial Safety and Health	—	—	—	—
29	DC/ST Manager depot	Shri H.R.PATEL	6359918508	—	himatnagardepo@gmail.com
30	Superintendent of Fisher	Shri T.D.PUROHIT	9427698507	—	<a href="mailto:aaf-hmt@gmail.com">aaf-hmt@gmail.com</a>
31	Regional officer, GPCB	Shri NEHA AJMERAA	9898003096	—	ro-gpcb-hmm@gujarat.gov.in
32	DGM/AGM BSNL	Shri RAJKUMAR RAJPAL	9414001175	—	ggmhmr.nbsnl@gmail.com
33	Mamlatdar Disaster	Shri H.V.CHAVADA	8758645586	240421	<a href="mailto:mam-sab@gujarat.gov.in">mam-sab@gujarat.gov.in</a>
34	DPO Disaster	Shri K.K.SOLANKI	9714856277	—	dis.sabar@gmail.com
35	Dy. Mamlatdar Disaster	Shri G.R.DESAI	9409652519	—	dis.sabar@gmail.com



## Appendix – 13

### District Health Department

Sabarkantha District is situated in North Eastern part of Gujarat State. The administrative headquarters of the district is Himatnagar, about 80 km from Ahmedabad.

Sabarkantha District is surrounded by Rajasthan state to the northeast, Banaskantha and Mehsana districts to the west, Gandhinagar to the south and Aravalli District to the South - East.

Sabarmati River flows on western border of Sabarkantha district. The district is situated between 23.03 N latitude and 24.30 N latitude & 74.43 E longitudes to 73.39 E longitudes. The "Tropic of Cancer" passes through Sabarkantha district. The total area of the district is 5390 Sq.km. North – Eastern part of the district is covered by the rows of "Aravalli" hills. Sabarmati, Meshwo, Vatrak, Hathmati, Mazum, Vaidi, Harnav, Khari are main rivers in the district.

District has a population of 14,73,673 as per last census 2011. District is divided in 4 Revenue Sub-Divisions & 8 Talukas. There are 6 Municipalities in the District. Poshina, Khedbrahma & Vijaynagar Talukas are mainly tribal Talukas. These Talukas are hilly and forest areas. Remaining Talukas are mainly flat areas. Patel's & Darbar's are major groups of communities in the district. However Dungari garasiya is the dominant community among tribal's.

Punsari, a small village in the district was selected as the best village in Gujarat. average rainfall in the district in the year 2020 is 1057 mm. The district experiences a minimum average temperature of 1.0 centigrade in winter and a maximum temperature of 43.1 centigrade in summer.

#### Details

N o.	detail	Statistical information
1	Geographical location of the district	23 - 03 north latitude to 24.23 latitude, 72.43 east longitude to 73.39 longitude.
2	Total area	4498.57 Sq.K.M.
3	Climate	dry and hot.
4	Land	Black, smooth, rocky, stony, sandy, hilly and rocky.
5	River	Sabarmati, Hathmati, khari, Harnav, Sei, Panari, Gaunvav, Bheska, Kanjan, Meshvo, Kosambi, Debhol
6	Major crops	Paddy, millet, maize, sorghum, mung, wheat, groundnut, castor, cotton.
7	Total Taluka	Khedbrahma, Vijaynagar, Vadali, Idar, Poshina, Himmatnagar, Talod, Prantij
8	Total Villages	712
9	Total Gram Panchayat	436
10	Nagarpalika	6



**Activities of the department during Monsoon :-**

- ❖ Organizing communicable disease review meeting.
- ❖ Keeping supervision on periodic cleaning of main tanks of water sources and regular chlorination of water
- ❖ Monitoring to ensure that high standards of sanitation are maintained around all sources of drinking water.
- ❖ When leaks are reported in drinking water pipelines and valves, for immediate repairs on a war footing basis, contact that organization and provide supervision and guidance to complete the work.
- ❖ Keeping in touch with the institutions to ensure that the tanks of schools, colleges and public institutions are regularly cleaned and to carry out supervision to complete the work.
- ❖ To clean all the places with dirt which should be reported to the organization and complete the work and to spray the place with lime or pesticides which should be reported to the organization and complete the work.
- ❖ Repairing/repairing of overflowing and leaking sewer lines, contact those organizations and complete the work.
- ❖ To remove the drinking water pipelines passing through the sewer main hole to notify the Gram Panchayat/ Municipality.
- ❖ For public places and hotels, restaurants, tea-snack trucks, drinking water parlours, parlors etc. to use chlorinated water to notify the Gram Panchayat/ Municipality.
- ❖ Intimation to the Gram Panchayat/ Municipality regarding not selling open food items, stale items, rotten vegetables and fruits.
- ❖ To ensure the use of ORS packets in diarrhoea-vomiting outbreaks.
- ❖ When a waterborne disease is detected, take immediate action to control the disease and make arrangements for it.
- ❖ To carry out operations to check the amount of chlorine content in water when district level and taluka level officials visit the field
- ❖ Actions should be taken to make necessary quantity of medicine available at PHC, CHC And Hospitals.
- ❖ Immediate post-mortem of a person who died during a flood storm. Providing medical facility at the camp site provided to the population displaced by flood, cyclone.
- ❖ To send medical teams to other places of the state immediately if the need arises.

## Performance during the previous year (with respect to Monsoon)

A review meeting was held during last year and guidance was given regarding the work to be done by different departments during monsoon. Due to low rainfall in Sabarkantha district during the last year, flood and storm situation did not occur. Remaining work done as mentioned above..

No	Health institutions	Total
1	GMRES Medical College and District Hospital, Himmatnagar	1
2	Sub District Hospital	2
3	Community Health Centre	12
4	Primary Health Centre	48
5	24x7 Primary Health Centre	10
6	Sub Center	281
7	Mobile Health Unit	1
8	Urban Primary Health Centre	4

## Demographic Information

No.	Name of Taluka	Number of Gram Panchayats	Number of grams	Total population
1	Khedbrahma	32	76	204487
2	Vadali	39	55	996036
3	Poshina	17	59	181422
4	Idar	101	144	280328
5	Talod	60	77	174000
6	vijaynagar	31	86	124399
7	Prantij	59	69	162410
8	Himatanagar	97	146	373972
<b>Toatl</b>		<b>436</b>	<b>712</b>	<b>1596054</b>

### District Leval Health Officer

No	Designation	Name of Officer	Landline no	Mobile no
1	Chief District Health Officer	Dr. R.B. Sutaria	02772-299321	9687679002
2	Additional District Health Officer	Dr.K.S.Charan	-	9687679005
3	District R.C.H. Officer	Dr. S.H. Dedhrotiya	-	9687679589
4	Chief District Medical Officer & Civil Surgeon	DR .Paresh Shildariya	-	8905309546
5	District Epidemic control officer	Dr. P.S.Damor (i/c)		9099664497
6	District Quality Officer	Dr. A.I. Malek		9687679011
7	District Malaria Officer	Dr. P.S.Damor (i/c)		9099664497
8	TB officer	Dr. Falguniben Parmar		9687679012

### Taluka Health Officer

No	Taluko	Name of Officer	Landline no	Mobile no
1	Himatnagar	Dr. Rajesh Patel	02772-241505	9687679019
2	Idar	Dr. Dhruv Patel	02778-253005	9978017789
3	Khedbrhma	Dr. K.M.Dabhi	02775-222652	9825220272
4	Poshina	Dr. B.S.Gadhavi		9979315703
5	Prantij	Dr.A.H.Solanki	02770-233811	9687679060
6	Talod	Dr.Vinod Mungad	02770-220692	9687679086
7	Vadali	Dr.Pankaj Katara	02778-222056	9687679375
8	Vijaynagar	Dr. Pankaj Katara(i/c)	02775-254193	9687679375

### Appendix- 15

#### Details of Private Hospital at Himatnagar City General Surgeon

Sr.	Name of Doctors	Hospital Address	Phone No.
1	Dr.C.S.Patel	Sharvoday Surgical Hospital Himatnagar	02772-241135
2	Dr.Kalpesh C.Patel	Kidney Care Hospital, Himatnagar	02772 -247535
3	Dr.D.M.Patel	Sapna Surgical Hospital, Himatnagar	02772-245134
4	Dr.P.R.Patel	Ami Surgical Hospital, Himatnagar	02772-242236
5	Dr.Yasvant V.Patel	Bhagyoday Surgical Hospital Himatnagar	02772-240834

### Appendix – 16

#### Listed Voluntary Institutes of the Sabarkantha District

No.	Name of Institute	STD Code	Telephone No.		Fax No.	Name of Chief Manager
			Office	Resi.		
Taluka :- Himatnagar						
1	Dhareshwar Ush Mahesh Vikash Samiti , Jorapur, Himatnagar	02772				
2	Vishw Manglam Anera Gaushala, Anera, Himatnagar	02772	241935			Govindbhai Raval
3	Bahera Munga Vidyalay, Himatnagar	02772	245422			Kirtibhai D. shah
4	Lions Club, Redcrose society , Himatnagar	02772	240789			Ex-Officio Collector S.K
5	Rotary Club, Himatnagar	02772	246380			Mehul Kothari

### Appendix – 17

#### Details of Available Ambulance in Sabarkantha District and 108 Facility available in Sabarkantha District

No	Name of Taluka	Name of Hospital	In charge Officers	Phone No.	Ambulance No.	Name of Driver
1	Himatnagar	Redcrose Society, Himatnagar Nagarpalika Himatnagar	President, Rescrose society Chief Officer, Himatnagar Nagarpalika	240789 241110 040710	GJ-9J-128 GJ-9D-216 GUZ -526	Shri C.S.Solanki
2	Idar	Referral Hospital , Idar	Superintendent	250111	GJ-9G-6510	Shri M.B. Kumpavat
3	Vadali	Community Health Center Chorivad	Medical Officer	279333	GCB -9259	Shri A.G.Solanki
4	Khedbramha	Referral Hospital , Kasturbhai Lalbhai Hospital , Lakshmipura Khedbramha	Superintendent	220077 281380	GJ-9G-1185 GUZ-7167	Shri Naresh Parmar Shri Babubhai Jivrajbhai
5	Vijayanagar	Community Health Center	Superintendent	Off.254234 Res 254271	GCB -9417	Shri Rajubhai N. Damor
12	Prantij	Shri M.C.Desai Hospital , Prantij	Dr. M.C.Patel Dr.Alpeshbhai Patel	230664	GJ-9B-2944	
13	Talod	Primary Health	Direcor	220691	GBH - 9804	Shri

		Center , Talod				B.H.Prajapati
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### Appendix-18

#### KEY EQUIPMENT

S. No.	Name of Equipment	No of Instrument available at Institute							
		Medical College	District Hospital	Municipal Hospital	SDH	CHC	PHC	Trust Hospitals	Private Hospital
1	Ventilator	0	5	0	1	3	0	4	3
2	O2 Cylinder	0	26	0	5	38	61	21	28
3	Enchotrachal tube	0	3	0	1	8	0	2	3
4	Laryngoscope	0	4	0	1	12	0	2	4
5	Defibrillation	0	4	0	1	0	0	1	3
6	Refrigerator	0	6	0	3	4 2	122	8	48
7	Lagrange Mask Airway	0	30	0	10	125	0	40	140
8	Ambu Bag	0	4	0	1	0	0	3	2
9	PPE (Personnel Prevention Examination) Kit.	0	90	0	20	0	0	1	1
10	Pulse Oximeter	0	3	0	1	0	0	2	3
11	ECG Machine	0	5	0	1	12	0	4	27
12	Endotrachal tube	0	2	0	1	0	0	3	8
13	Straturas	0	6	0	2	14	0	0	3
14	Vehicle Chair	0	5	0	2	17	0	5	22
15	Pulse Monitor	0	4	0	2	15	0	3	3
16	Cervical Coller	0	0	0	0	0	0	0	0
17	Long Spring Board	0	2	0	0	0	0	2	8
18	N – 25 Masks	0	45	0	20	156	0	120	140
19	Autoanalyser	0	2	0	1	0	0	3	4
20	X – ray Machine	0	2	0	1	5	0	5	32
21	Generator	0	2	0	1	17	32	5	5
22	Other	0	0	0	0	0	0	0	0

### Appendix- 19

#### DETAILS OF WIRELESS SETS IN THE DISTRICT

Police Station	No	Wireless	in whose possession	Telephone number
<b>Himmat nagar</b>	1	District Collector Shri	Disaster Branch, Collector's Office, Sabarkantha	02772-249039
	2	District Police Chief	Office of Superintendent of Police Sabarkantha Sabarkantha	02772-241303
	3	Himmatnagar A Division Police Station	Police Inspector, A Division Police Station	02772-247433
	4	Himmatnagar B Division Police Station	Police Inspector, B Division Police Station	02772-245027
	5	Mahila Police Station	Inspector of Police, Mahila Police Station	02772-249353
	6	Himmatnagar Rural Police Station	Police Sub Inspector, Himmatnagar Rural Police Station	02772-222133
	7	Flood Control, Irrigation Bhavan, Himmatnagar	Superintending Engineer, Irrigation Scheme Circle, Himmatnagar	02772-245251
	8	Guhai Dam Site	Irrigation Department	
<b>Talod</b>	1	Talod Police Station	Police Sub Inspector, Talod Police Station	02770-200662
	2	Jawanpura Dam Site	Irrigation Department, Talod	
<b>Prantij</b>	1	Prantij Police Station	Police Inspector, Prantij Police Station	02772-233076
	2	Gorathia Dam Site	Irrigation Department, Prantij	02770-230560
	3	Karol Dam Site	Irrigation Department, Prantij	02770-230560
<b>Gambhoi</b>	1	Gambhoi Police Station	Police Sub Inspector, Talod Police Station	02772-250308
	2	Mankadi Dam Site	Irrigation Department,	
<b>Jadar</b>	1	Jadar Police Station	Police Sub Inspector, Jadar Police Station	02778-240399
	2	Madhwa out post	Jadar Police Station	
	3	Chitroda out post	Jadar Police Station	
<b>Idar</b>	1	Idar Police Station	Police Inspector, Eder Police Station	02778-250024
	2	Idargarh Repeater	Idar Police Station	

	<b>3</b>	Badoli Dam Site	Irrigation Department	
	<b>4</b>	Idargarh Repeater Irrigation Department	Irrigation Department	
<b>Vadali</b>	<b>1</b>	Vadali Police Station	Police Sub Inspector, Wadali Police Station	02778-222031
<b>Khed Brahma</b>	<b>1</b>	KhedBrahma Police Station	Sub Inspector of Police, KhedBrahma Police Station	02775-222105
	<b>2</b>	Khedwa dam site	Irrigation Department	
<b>Kheroj</b>	<b>1</b>	Kheroj Police Station	Police Inspector , Kheroj Police Station	02775-284339
<b>Poshina</b>	<b>1</b>	Poshina Police Station	Police Sub Inspector, Poshina Police Station	02775-283347
<b>Vijay nagar</b>	<b>1</b>	Vijayanagar Police Station	Police Sub Inspector, Vijayanagar Police Station	02775-254026
	<b>2</b>	Harnav (Vanaj) Dam Site	Irrigation Department	
<b>Chithoda</b>	<b>2</b>	Chithoda Police Station	Police Sub Inspector, Chithoda Police Station	02775-260700

## Appendix-14

### Details of Aapda Mitra Volunteers -2018

S.No	Name	Designation	Organisation/ Affiliation	Office No.	Mobile
1	Barot Vijaykumar Somabhai	AapdaMitra	DisttLevel	02772-249039	9426676256
2	Solanki Niravkumar Chandubhai	AapdaMitra	DisttLevel	02772-249039	9157996909
3	Patani Vishnubhai Govindbhai	AapdaMitra	DisttLevel	02772-249039	9909688507
4	Solanki Jayashriben Kishanbhai	AapdaMitra	DisttLevel	02772-249039	9979973080
5	Solanki Aishwarya jayantilal	AapdaMitra	DisttLevel	02772-249039	7600649793
6	Parmar Hansaben Kalabhai	AapdaMitra	DisttLevel	02772-249039	9409503963
7	Raval Hemang yashvantlal	AapdaMitra	Khed/Sk	02775-220001	9979576549
8	Dabhi Rohitbhai Lasubhai	AapdaMitra	Khed/Sk	02775-220001	7573869034
9	Patel Chintan Vaktabhai	AapdaMitra	Khed/Sk	02775-220001	9724452145
10	Solanki Priyank Mahendrbhai	AapdaMitra	Khed/Sk	02775-220001	9558951746
11	Vagela Rajvirsinh Vikramsingh	AapdaMitra	Khed/Sk	02775-220001	9898789947
12	Parmar pravinsinh Narsingh	AapdaMitra	Khed/Sk	02775-220001	8758510648
13	ParmarDipikaben Karsanbhai	AapdaMitra	Idar/SK	02778-250003	9879799946
14	Vankar Darshanaben S	AapdaMitra	Idar/SK	02778-250003	9638973974
15	Vanakar Daxaben Ramjibhai	AapdaMitra	Idar/SK	02778-250003	9586274351
16	Jadav Piyushkumar K	AapdaMitra	Idar/SK	02778-250003	9662577887
17	Parmar Bhaveshbhai Savabhai	AapdaMitra	Idar/SK	02778-250003	9687201515
18	Vanzara Bablubhai Galababhai	AapdaMitra	Idar/SK	02778-250003	9726063895
19	Zala Yuvrajsinh Natvarsinh	AapdaMitra	Talod/SK	02770-220641	7621877087
20	Zala Dharmendra Rajendrsinh	AapdaMitra	Talod/SK	02770-220641	7698374405
21	Chauhan Talusinh M	AapdaMitra	Talod/SK	02770-220641	9558556374
22	Patel Nisha Govindbhai	AapdaMitra	Talod/SK	02770-220641	8155072483
23	Nai Zalak Bhagvandas	AapdaMitra	Talod/SK	02770-220641	8734960851
24	Lakhara Neha Durgashankar	AapdaMitra	Talod/SK	02770-220641	7096885698
25	Rathod Vinendrsinh K	AapdaMitra	Prantij/SK	02770-230425	9173948331
26	Bhoi Vijaybhai Ambalal	AapdaMitra	Prantij/SK	02770-230425	9427871215
27	Bhoi Miteshkumar Kalvantbhai	AapdaMitra	Prantij/SK	02770-230425	9924396177
28	Solanki Kashyap G	AapdaMitra	Prantij/SK	02770-230425	9173948331
29	Marvadi Arunkumar Kachraji	AapdaMitra	Prantij/SK	02770-230425	7567014586



30	Bhoi Kalvantbhai S	AapdaMitra	Prantij/SK	02770-230425	9904534094
31	Bumbadiya Dilip Natvarbhai	AapdaMitra	Poshina/SK	02775-283533	9979078872
32	Bumbadiya Ajmerbhai Babubhai	AapdaMitra	Poshina/SK	02775-283533	9638258475
33	Parmar Shailesh kumar K	AapdaMitra	Poshina/SK	02775-283533	9909838747
34	Bumbdiya Vanitaben N	AapdaMitra	Poshina/SK	02775-283533	9512209427
35	BumbadiyaShrmilaben B	AapdaMitra	Poshina/SK	02775-283533	9904937038
36	Bumbadiya Kamiben D	AapdaMitra	Poshina/SK	02775-283533	
37	Chauhan Gajendrasinh	AapdaMitra	HMT/SK	02772-246481	9429672996
38	Parmar Prakshkumar V	AapdaMitra	HMT/SK	02772-246481	9428963788
39	Parmar Sanjaysinh R	AapdaMitra	HMT/SK	02772-246481	7878015290
40	Parmar Dipikaben R	AapdaMitra	HMT/SK	02772-246481	7096774242
41	Ninama Vimadaben Somaji	AapdaMitra	HMT/SK	02772-246481	9909129381
42	Solanki Aashaben Kalusinh	AapdaMitra	HMT/SK	02772-246481	9624579175
43	Pandor Bhikhabhai Ramabhai	AapdaMitra	Vadali/Sk	02778-222017	9662568954
44	Chauhan Mahendrsinh L	AapdaMitra	Vadali/Sk	02778-222017	9909302183
45	Vanakar Kamlesh Nanjibhai	AapdaMitra	Vadali/Sk	02778-222017	9429542859
46	Parmar Kanubhai Hirabhai	AapdaMitra	Vadali/Sk	02778-222017	8758171911
47	Parmar Naresh Punjabhai	AapdaMitra	Vadali/Sk	02778-222017	9909637023
48	Parmar Vinod K	AapdaMitra	Vadali/Sk	02778-222017	9558031305
49	Dhrangi Prakash j	AapdaMitra	Vijay/Sk	02775-254340	9408410724
50	Bamana Maheshkumar L	AapdaMitra	Vijay/Sk	02775-254340	9409518173
51	Limbati Tulsibhai R	AapdaMitra	Vijay/Sk	02775-254340	9408590215
52	Dhrangi Tulsibhai Motilal	AapdaMitra	Vijay/Sk	02775-254340	9409536062
53	Bamna Babubhai Dilipbhai	AapdaMitra	Vijay/Sk	02775-254340	9409508055
54	Limbati Bharatkumar Sankarbhai M	AapdaMitra	Vijay/Sk	02775-254340	9426945454

### Details of Aapda Mitra Volunteers -2019

SR. NO.	AAPDA MITRA NAME	FATHER NAME	MOBILE NO.	TALUKA	VILLAGE
1	SOLANKI KESHAVBHAI	UDABHAI	7567858362	KHEDBRAHMA	KHED
2	PARAGI KAPURBHAI	BHERABHAI	9537251313	KHEDBRAHMA	KHED
3	BUBADIYA DILIPBHAI	MANABHAI	9662224923	KHEDBRAHMA	KHED
4	PARAGI RAMESHBHAI	VASTABHAI	9727572265	KHEDBRAHMA	KHED
5	ANGARI KANTIBHAI	BHARTHABHAI			KHED
6	GAMAR NAVNITBHAI	HASABHAI	9714976927	KHEDBRAHMA	KHED
7	PARAGI NATVARBHAI	NANABHAI		KHEDBRAHMA	KHED
8	DABHI DEVJIBHAI	NANABHAI	9825482206	KHEDBRAHMA	KHED
9	DABHI KALUBHAI	CHUNABHAI	8141751835	KHEDBRAHMA	KHED
10	CHENVA PRAVINBHAI	FALAJIBHAI	9662304691	KHEDBRAHMA	KHED
11	CHENVA JIGNESH	KALIDAS		VADALI	VADALI

12	BODAT MUKESHBHAI	LAXAMANBHAI	8128261141	VADALI	VADALI
	LATA RAJESHBHAI	VALJIBHAI	9511777223	VADALI	VADALI
14	KATARA RAVICHANDRA	LAXMANBHAI	9616802299	VADALI	VADALI
15	SUTARIYA HARESHBHAI	KARASANBHAI	9898255937	IDAR	IDAR
16	DABHI NARENDRASINH	RAMSINH	9723035520	IDAR	IDAR
17	VANKAR MEHULBHAI	RAMESHBHAI	7096876732	IDAR	IDAR
18	SUTARIYA SHRIPALKUM AR	GOVINDBHAI	9662719455	IDAR	IDAR
19	SUTARIYA NARESHBHAI	RAMABHAI	9898118661	IDAR	IDAR
20	KHANT LAXMANBHAI	GALBABHAI	9427411037	POSINA	POSINA
21	PARMAR MOTIBHAI	FAGNABHAI	9624947439	POSHINA	POSINA
22	PARMAR LAVJIBHAI	HIRABHAI	9586666769	POSHINA	POSINA
23	KHANT MANOJBHAI	KEVDABHAI	9428275044	KHEDBRAHMA	KHED
24	KHANT LAXMANBHAI	NARSABHAI	8469473865	POSHINA	POSINA
25	PARMAR AGNESHBHAI	VASTABHAI	7567991249	POSHINA	POSINA
26	MAKWANA VIMDABEN	TAKHAJI			
27	MAKWANA KAJALBEN	HIRSINH			
28	CHAUHAN PINKALBEN	KESHAJI			
29	MAKWANA RITABEN	BADAJI			
30	PRAJAPATI NIKUNJKUMAR	DILIPBHAI	9265574169	HIMATNAGAR	HMT
31	PARMAR KETANBHAI	MANABHAI	9409503963	HIMATNGARA	HMT
32	SOLANKI BHAVESHKUMAR	KANTIBHAI	9409166746	HIMATNAGAR	HMT
33	SOLANKI DARVINKUMAR	JAYANTIBHAI	8347473926	PRANTIJ	PRANTIJ
34	VANKAR HEMRAJBHAI	DINESHBHAI	7202866393	PRANTIJ	PRANTIJ
35	RATHOD NARESHKUMAR	JASHVANTSIN	9574351405	PRANTIJ	PRANTIJ
36	CHENVA RAJUBHAI	SHAMALBHAI	7567014329	PRANTIJ	PRANTIJ
37	RATHOD KETANSINH	PARMESHVAR SINH	99795922006	TALOD	TALOD
38	PATEL ANILKUMAR	RAMANLAL	8347348905	TALOD	TALOD
39	SOLANKI POPATSINH	HIRSINH	7096876593	TALOD	TALOD
40	KALAL PARAGKUMAR	SANJAYBHAI			
41	RAVAT KALABHAI	BABUBHAI	6355916853	TALOD	TALOD
42	DAMOR BRIJESHKUMAR	JIVABHAI	9429752624	VIJAYNAGAR	VIJAY
43	KATARA KALUBHAI	SATISHBHAI	9408445941	VIJAYNAGAR	VIJAY
44	CHENVA PUNAMBHAI	BABUBHAI	7490900392	HIMATNAGAR	VIJAY
45	CHENVA RAJEDRAKUMAR	KANTIBHAI			
46	BARA PANJAKBHAI	ISHWARBHAI	9409777361	VIJAYNAGAR	VIJAY
47	BODAR BRIJESHKUMAR	LALJIBHAI	9662753597	VIJAYNAGAR	VIJAY
48	BHAGORA LALJIBHAI	SOMABHAI	81282225039	VIJAYNAGAR	VIJAY
49	BHAGORA AJAYBHAI	SOMAJI	7600091037	VIJAYNAGAR	VIJAY
50	SOLANKI VIJAYKUMAR	MANIALL	6354598469	HIMATNAGAR	HMT

## Sheet 20

### RESOURCE WITH THE DISTRICT

RESOURCE WITH THE DISTRICT							
#	TALUKA	Institute/Ownership Details	Institute/Owner Name	CATEGORY	SUB-CATEGORY	ITEM	QUANTITY
1	Himatnagar	GOVT.	Nagar Palika	Fire fighting	Fire Extinguishers	ABC Type	4
2	Himatnagar	GOVT.	Nagar Palika	Fire fighting	Fire Extinguishers	CO2 Type	1
3	Himatnagar	GOVT.	Nagar Palika	Fire fighting	Ladder	Aluminum ladder	2
4	Himatnagar	GOVT.	Nagar Palika	Fire fighting	Pumps	Pump	2
5	Himatnagar	GOVT.	Nagar Palika	Fire fighting	Breathing apparatus set	Breathing Apparatus - self contained	1
6	Himatnagar	GOVT.	Nagar Palika	Flood Rescue	Rescue boats	Fiber Boat	1
7	Himatnagar	GOVT.	Nagar Palika	Flood Rescue	Rescue boats	Motor boats	1
8	Himatnagar	GOVT.	Nagar Palika	Search and Rescue	Cutters	Steel cutter/Grinder	1
9	Himatnagar	GOVT.	Nagar Palika	Search and Rescue	Light equipment	Glass remover (Punch Mark)	2
10	Himatnagar	GOVT.	Nagar Palika	Search and Rescue	Lighting arrangements	Search light	1
11	Himatnagar	GOVT.	Nagar Palika	Search and Rescue	Lighting arrangements	Inflatable Light Tower	1
12	Himatnagar	GOVT.	Nagar Palika	Telecommunication	Wireless system	Walkie Talkie Sets	2
13	Himatnagar	GOVT.	Nagar Palika	Transportation	Light vehicles	Motor Cycle	1
14	Himatnagar	GOVT.	Nagar Palika	Fire fighting	Fire/Rescue tenders	Fire Tender	1
15	Himatnagar	GOVT.	Nagar Palika	Search and Rescue	Cutters	Circular saw with diamond blade( Electric)	1

16	Himatnagar	GOVT.	Nagar Palika	Search and Rescue	Cutters	Chain saw diamond	2
17	Himatnagar	GOVT.	Nagar Palika	Transportation	Heavy vehicles	Bus	4
18	Himatnagar	GOVT.	Nagar Palika	Transportation	Heavy vehicles	Tractor	14
19	Himatnagar	GOVT.	Nagar Palika	Transportation	Heavy vehicles	Loader	2
20	Himatnagar	GOVT.	Nagar Palika	Transportation	Special vehicles	Light Ambulance Van	2
21	Himatnagar	GOVT.	Nagar Palika	Flood Rescue	Specialized flood/rescue equipment	Lifebuoy	5
22	Himatnagar	GOVT.	Nagar Palika	Flood Rescue	Specialized flood/rescue equipment	Life jackets	12
23	Himatnagar	GOVT.	Nagar Palika	Fire fighting	Fire/Rescue tenders	Fire Tender	3
24	Himatnagar	GOVT.	Nagar Palika	Search and Rescue	Cutters	Cutters-Hydraulic	1
25	Himatnagar	GOVT.	Nagar Palika	Fire fighting	Skilled human resource	Fire Fighting Team (For High Rise Buildings)	5
26	Himatnagar	GOVT.	Nagar Palika	Search and Rescue	Lighting arrangements	Electric Generator	1
27	Prantij	GOVT.	Prantij	Fire fighting	Fire Extinguishers	CO2 Type	1
28	Prantij	GOVT.	Prantij	Fire fighting	Fire/Rescue tenders	Fire Tender	2
29	Prantij	GOVT.	Prantij	Search and Rescue	Cutters	Cutters-Hydraulic	1
30	Prantij	GOVT.	Nagar Palika	Fire fighting	Fire Extinguishers	ABC Type	5
31	Khedbrahma	GOVT.	Nagar Palika	Fire fighting	Fire Extinguishers	ABC Type	11
32	Khedbrahma	GOVT.	Nagar Palika	Fire fighting	Fire/Rescue tenders	Fire Tender	2
33	Khedbrahma	GOVT.	Nagar Palika	Search and Rescue	Cutters	Cutters-Hydraulic	1
34	Khedbrahma	GOVT.	Nagar Palika	Transportation	Light vehicles	Motor Cycle	1
35	Idar	GOVT.	Nagar Palika	Search and Rescue	Light equipment	Glass remover (Punch Mark)	1
36	Idar	GOVT.	Nagar Palika	Search and Rescue	Lighting arrangements	Search light	1
3	Idar	GOVT.	Nagar Palika	Fire fighting	Ladder	Aluminum	1

7						ladder	
38	Idar	GOVT.	Nagar Palika	Telecommunication	Wireless system	Walkie Talkie Sets	2
39	Idar	GOVT.	Nagar Palika	Search and Rescue	Cutters	Chain saw diamond	1
40	Idar	GOVT.	Nagar Palika	Transportation	Light vehicles	Motor Cycle	1
41	Idar	GOVT.	Nagar Palika	Fire fighting	Breathing apparatus set	Breathing Apparatus - self contained	1
42	Idar	GOVT.	Nagar Palika	Fire fighting	Skilled human resource	Fire Fighting Team (For High Rise Buildings)	10
43	Idar	GOVT.	Nagar Palika	Fire fighting	Fire Extinguishers	ABC Type	2
44	Idar	GOVT.	Nagar Palika	Fire fighting	Fire Extinguishers	CO2 Type	2
45	Idar	GOVT.	Nagar Palika	Flood Rescue	Specialized flood/rescue equipment	Lifebuoy	5
46	Idar	GOVT.	Nagar Palika	Flood Rescue	Specialized flood/rescue equipment	Life jackets	10
47	Idar	GOVT.	Nagar Palika	Fire fighting	Fire/Rescue tenders	Fire Tender	3
48	Idar	GOVT.	Nagar Palika	Search and Rescue	Cutters	Cutters-Hydraulic	1
							138

As of now (6/05/2023) of equipment allotted by GSDMA Collector Office Sabarkantha

N O	Name of equipment	In running condition or not	If yes then how many times in a year it is used	Details of Occupant		
				Designation	Mobile no	Phone no
1	Portable inflatable light-3	YES	2 times	Mamlatdar-Disaster	8758645586	02772-249039
2	Life jacket-20	YES	Monsoon times	Mamlatdar-Disaster	8758645586	02772-249039
3	Life Boy-20	YES	Monsoon times	mamlatdar-Disaster	8758645586	02772-249039
4	ROP 20	YES	3 times	Mamlatdar-Disaster	8758645586	02772-249039
5	Portable generator	YES	5 to 6 times	Mamlatdar-Disaster	8758645586	02772-249039

**Present status of equipment allocated by GSDMA (6/5/2023) given to municipalities**

No	Name of equipment	Municipalities	In running condition or not	Details of Occupant		
				Name	Designation	Phone no
1	Portable inflatable light 6	Himatnagar-1	yes	Nagrpalika Himatnagar	Chief Officer	24384
		Prantij-1	yes	Nagrpalika Prantij	Chief Officer	23341
		Talod-1	yes	Nagrpalika Talod	Chief Officer	220652
		Idar-1	yes	Nagrpalika Eder	Chief Officer	250046
		vadali-1	yes	Nagrpalika vadali	Chief Officer	222016
		Khed Brahma-1	yes	Nagrpalika Khed Brahma	Chief Officer	220021
2	Motorcyc	Himatnagar-1	yes	Nagrpalika	Chief	243884

	le Mounted Water Missed			Himatnagar	Officer	
		Idar-1	yes	Nagrpalika Idar	Chief Officer	250046
		Khed Brahma-1	yes	Nagrpalika Khed Brahma	Chief Officer	220021
2	Water Browser	Himatnagar-1	yes	Nagrpalika Himatnagar	Chief Officer	243845
		Prantij-1	yes	Nagrpalika Prantij	Chief Officer	233410
		Idar-1	yes	Nagrpalika Idar	Chief Officer	250046
		Khed Brahma-1	yes	Nagrpalika Khed Brahma	Chief Officer	220021
	mini fire tenders	Himatnagar-1	yes	Nagrpalika Himatnagar	Chief Officer	243845
		Prantij-1	yes	Nagrpalika Prantij	Chief Officer	2334410
		Talod-1	yes	Nagrpalika Talod	Chief Officer	220652
		Idar-1	yes	Nagrpalika Idar	Chief Officer	250046
		vadali-1	yes	Nagrpalika vadali	Chief Officer	222016
		Khed Brahma-1	yes	Nagrpalika Khed Brahma	Chief Officer	2200241
5	FRP boats	Himatnagar-2	yes	Nagrpalika Himatnagar	Chief Officer	243845

## Appendix – 16

**District Administration**  
**(58) Sabarkantha (STD Code: 02772)**

No	Taluka Name	Designation	Officer Name	Code	(O)	Mobile	Police Station	Email ID
1	Himmat anagar	Prant Officer	Shri Parth Goswami	02772	240946	9978405193	247432	po-sab@gujarat.gov.in
		Mamlatdar	Shri H V Chavda		246481/ 244123	8758645586		mam-himatnagari@gujarat.gov.in
		TDO	Shri P.M.SISODIYA		245152	9913587300		tdo-himatnagar12@gmail.com
		Chief Officer	Shri U.P.GADHAVI		235710	7434926350		np-himatnagar@yahoo.com
2	Idar	Prant Officer	Shri MAYANK PATEL	02778	250551	9978405347	250024	ero-28-office@gmail.com
		Mamlatdar	Shri V.R JOSHI		250003/ 250100	9825389140		mam-ldar@gujarat.gov.in
		TDO	Shri A.S.PATEL		250022	9924454751		tdo-idar@gmail.com
		Chief Officer	Shri S.J.SONI		250046	9662350149		np_idar@yahoo.com
3	Khedbrahma	Prant Officer	Shri N.D.PATEL	02775	220122	8780922539	237433/ 220064	ero-29-office@gmail.com
		Mamlatdar	Shri N.T.PARMAR		222001	9825944830		mam-khed@gujarat.gov.in
		TDO	Shri M.L.PATEL		222008	9428274828		tdokhedbrahma08@gmail.com
		Chief Officer	Shri S.C.RATANEE		220021	9979780088		np_khedbhrama@yahoo.com
4	Poshina	Prant Officer	Shri N.D.PATEL	02775	220122	8780922539	238233/ 283347	ero-29-office@gmail.com
		Mamlatdar	Shri A.K.LAKOD		283533	7600566691		mam-poshina@gujarat.gov.in
		TDO	Shri N.V.HATARA		283313	6355257497		tdoposhina@gmail.com
					-			-
5	Prantij	Prant Officer	Shri A.J.PATEL	02770	232204	9725076001	233076	sdm-prantij@gmail.com
		Mamlatdar	Shri J.M.SAAH		230425/ 231525	8849982628		mam-prantij@gujarat.gov.in
		TDO	Shri J.B.Chaudhary		230436	9510636094		tdo-prantij@gujarat.gov.in
		Chief Officer	Shri R.D.PATEL		233410	9909923595		np-prantij@yahoo.com
6	Talod	Prant Officer	Shri A.J.PATEL	02770	232204	9725076001	233076	sdm-prantij@gmail.com
		Mamlatdar	D.L.RATHOD		220641/ 221872	9909234674		mam-talod@gujarat.gov.in
		TDO	P.M.MODI		221872	9016730858		tdo-talod@gmail.com
		Chief Officer	H.D.Solanki		220652	9662414541		np-talod@yahoo.com
7	Vadali	Prant Officer	Shri MAYANK PATEL	02778	250551	9978405347		ero-28-office@gmail.com
		Mamlatdar	T.N.CHAUDHARY		222017	9626515895		mam-vadali@gujarat.gov.in
		TDO	P.K.CHAUDHARY		222630	7567013101		tdo-vadali2630@gmail.com
		Chief Officer	G.K.CHAUDHRY		222016	7990761481		vadalinagarpalika@yahoo.com
8	Vijaynagar	Prant Officer	Shri N.D.PATEL	02775	220122	8780922539	220064/ 254026	ero-29-office@gmail.com
		Mamlatdar	R.K.PARMAR		254340/ 254640	9427367727		mam-vijaynagar@gujarat.gov.in
		TDO	S.P.BODAR		254024	8320721719		tdo-vijaynagar@guharat.gov.in



### Appendix-23

#### List of Swimmers of Sabarkantha Taluka

No	Village	Swimmer's Name	Age	Mobile number	NCC, Home Guard, GRD
1	Adpodara	Makwana Rajeshkumar Adarsih	33	9725484217	Other
2	Adpodara	Rathore Maheshsih Jaswatsih	36	9537047149	Other
3	Adpodara	Rawal Narendra Kumar Laxmansih	26	9825360879	NCC
4	Parbada	Momin Jahidbhai Valibhai	35	8000697912	G.R.D
5	Talod	Vaghela Laxmansih Shivasih	48	9409085256	G.R.D
6	Talod	Vaghela Jagatsih Kulsih	42	9409085256	-
7	Talod	Rehvar Natwar Sinh Mandhusih	49	6356306030	Other
8	Talod	Thakarda Balkishan Babuji	35	9429365439	Other
9	Vasana	Chauhan Natwarsih Waktunsih	42	9409225691	Other
10	Vasana	Chauhan Dalpatsih Pratapsih	46	9408120493	Other
11	Saybapur	Rathore Arjansih Halusih	47	9913115048	Other
12	Saibapur	Rathod Kalasih Agarsih	45	6353696510	Other
13	Garhoda	Thakor Bharatsih Kantisih	48	6352935277	Other
14	Garhoda	Parmar Visshaji Veerajee	42	7572909025	Other
15	Garhoda	Parmar Rameshji	54	6352978219	Other
16	Rupal	Bhoi Ishwarbhai Amritbhai	39	9429747850	Other
17	Pethapur	Chauhan Kalusih Kachrusih	48	9409048902	G.R.D
18	Pethapur	Chauhan Kumansih Bhawansih	37	9624836172	NCC
19	Boria	Parmar Lalsih Ranjitsih			

## Appendix-24

### UGVCL

As per the order of our head office, the following plan has been prepared to deal with the disruption of power supply in the district to meet the natural calamities that occur during the monsoon season.

1. Repairs to power lines have been made to prevent power outages.
  2. Necessary pillar arrangements have been made in the district.
  3. All necessary line equipments are kept ready.
  4. All the district offices have given all necessary instructions to the employees to be prepared to meet such a situation. Also the list of officer names, mobile numbers of all the district offices is attached herewith.
  5. Instructions have also been given to keep the necessary vehicles of all the district offices ready.
  6. A control room will be opened at Himmatnagar from 01.06.2021 and the name and phone number of the officer present on date will be prepared and sent later
  7. Besides Talod, Idar, Bhiloda and Modasa divisional office dated The control room will be opened from 01.06.2021 who will be present in the control room
- The name and mobile number of the officer will be prepared and sent later.
- The details of the mobile numbers and e-mail addresses of the heads of departmental offices are as follows

Thus, all the preparations have been made to meet all the possible situations that may occur during the monsoon and to avoid interruption in the power supply.



