

GUJARAT STATE DISASTER MANAGEMENT PLAN

VOLUME 3

ANNEXURES

2016-17



GUJARAT STATE DISASTER MANAGEMENT AUTHORITY
Block No. 11, 5th Floor, Udyog Bhavan, Gandhinagar

Table of Contents

Annexure 1	Emergency Contact Numbers	01
Annexure 2	Equipment.....	36
Annexure 3	Composition of State Crisis Group.....	48
Annexure 4	Composition of District Crisis Group.....	49
Annexure 5	Composition of Local Crisis Group.....	50
Annexure 6	List of Codes/ Guidelines for Safety of Building/ Structures.....	51
Annexure 7	Checklist for Natural Disaster Impact Assessment.....	55
Annexure 8	List of Prominent NGO's of Gujarat State.....	58
Annexure 9	Incident Response System- Roles & Responsibilities.....	64
Annexure 10	Format for Damage & Loss Assessment.....	76
Annexure 11	Family Emergency Survival Kit (Indicative).....	78
Annexure 12	Relief Kits (Indicative).....	79
Annexure 13	Composition of Gujarat SEOC.....	81
Annexure 14	Location of the ERCs Established by BARC.....	82
Annexure 15	Suggested Radius of Inner Cordoned Area for Radiological Emergencies.....	83
Annexure 16	Technical Specifications of Instruments.....	84
Annexure 17	Dose Limits.....	85

Annexure 1 Emergency Contact Numbers

1. Control Rooms (State & Govt. of India)

Department	Phone	FAX
Ministry of Home Affairs, New Delhi	011 23092923 011 23093054 011 23092885 011 23093897	011-23092763 011-23093750
National Disaster Management Authority (NDMA)	011 1078 011 26701728, 011 2670730, 9868891801 9868101885	controlroom@ndma.gov.in ndmacontrolroom@gmail.com
State Emergency Operation Center (SEOC), Gandhinagar	23251914 23251900 23221902	23251916
PS, RD- COR & Secretary (SEOC)	23251926	23251912 23251916
Irrigation Deptt. Gandhinagar	23220954 23248735 23248736	23240553
R & B Deptt. Ahmedabad	26305296 26303490	-
Health Commissioner, Gandhinagar	23253343 23250818	23253343 23250818
Home Deptt. Gandhinagar (State Control)	23252957 23252958	23252075
DGP, Police Bhavan, Gandhinagar (State Control) SCR-23254343, 23249257	23246328 23246330/31	23146329
Police Commissioner, Ahmedabad	25633636	25630600
Gujarat Maritime Board, Gandhinagar	23238346-48	23234704
GEB Vadodara	0265-2330017	2337918 2338164
IMD (Seismo), New Delhi	011-24611842	011-24611792
IMD (MET), Ahmedabad	22865012	22865449
GSRTC, Ahmedabad (Central Office)	25454102	25453280

I. National Level

1. Disaster Management Division, Ministry of Home Affairs, New Delhi

Designation	Name	Office	EPABX	Residence
Home Secretary	Sh. Anil Goswami	011-23092989 011-23093031	215	23013058
Secretary (BM)	Smt. Sneh Lata Kumar	011-23092440	369	24602518
Joint Secretary (DM-I)	Sh. G.V.V. Sarma	011-23438087	790	24103663
Director (DM-III)	Sh. Sanjay Aggarwal	011-23438102	-	26266708
MHA Control Room		011-23092923 011-23093054 011-23092885 011-23093897	Fax No. 011-23093750 011-23092763	

2. National Disaster Management Authority

Designation	Name	Office	Fax	Email Id
Member	Shri R K Jain, IAS (Retd.)	26701710	26701716	secretary@ndma.gov.in
Member	Lt Gen (Retd) N C Marwah	26701775	26701783	marwahnc.ndma@nic.in
Member	Dr. D N Sharma	26701738	26701767	dnsharma@ndma.gov.in
Member	Shri Kamal Kishore	26701740	26701754	
JS (Admin, Capacity Building and Training)	Shri B Pradhan, IAS	26701780	26701795	jsadm@ndma.gov.in b.pradhan@nic.in
JS (Mitigation, IT & Comn)	Shri A.K.Sanghi, ITS	26701718	26701864	mitigation@ndma.gov.in
Advisor (Ops)	Maj Gen Anurag Gupta	26701886	26701742	advopscomn@ndma.gov.in
Joint Secretary (Policy & Plan)	Dr. V. Thiruppugazh, IAS,	26701786	26701816	jspp@ndma.gov.in
NDMA Control Room		26701728 9868891801 9868101885 Helpline No. 011-1078	26701729	controlroom@ndma.gov.in ndmacontrolroom@gmail.com

3. Indian National Centre for Ocean Information Services (INCOIS)

Address: Indian National Centre for Ocean Information Services (INCOIS)
"Ocean Valley",
Pragathi Nagar (BO), Nizampet (SO),
Hyderabad - 500 090

Warning Centre Number: 040-23895011

Office: 040-23895000 (9 am-5:30 pm)

040-23895002 (24 hrs)

Fax No.: 040-23895012

Email: tsunami@incois.gov.in

4. National Institute of Ocean Technology (NIOT)

Designation	Name	Office	Residence	Fax	E Mail
Director	Dr. Satheesh C. Shenoi	044-66783301	044-22590391	044-22460275	director@niot.res.in

Address: Velachery-Tambaram Main Road,
Narayanapuram, Palikaranai,
Chennai,
Tamil Nadu- 600100
Phone: +91 44 66783300, Fax: +91 44 22460645
Email: postmaster@niot.res.in

5. Army, Air Force and Coast Guard

S. No.	City	Name	Office
1	Ahmedabad	Army Exchange	22856251
2	Ahmedabad	Lt.Col. Chetan or Major Lama	(O)22852444 (R)22852682 (F)22856251
3	Ahmedabad	Col. Vinay Bahal	(O)22852403 (R)22852433 (F)22861902
4	Ahmedabad	Air Traffic Control	22869251
5	Gandhinagar	Air Force Exchange	23242600
6	Delhi	Air Force	011-23010231, 25687194-97
7	Gandhinagar	Coast Guard	(O) 079-23243264, 23243283 (Operation Center) 23243147 (F) 079-23241717
		P.V. Gopal, Dy. Comdt.	(O) 079-23243241 (M) 9377858901
8	Mumbai	Coast Guard	(O)022-24372472, 24333727 (F)022-24333727, 24372920

6. India Meteorological Department and Observatories

S.N.	Designation	Office	Residence	Fax
1	D.G.M., New Delhi	011-24611842	24633692	24611792
2	D.D.G.M.(C.W.) New Delhi-3	011-24611068	24644937	24619167
3	Director (Seismo)	011-24611305	2622827	
4	D.D.G.M.(Seismo) New Delhi-3	011-24629770	24648067	24629770
5	Director (EREC) New Delhi-3	011-24619943	24634714	
6	Director (C.W.C) New Delhi	011-24631913, 24629798	26196225	24643128 246266815
7	Director (N.H.A.C.) Delhi	011-24619167		246110068
8	D.D.G.M. (SI) Pune	020-25535411	27442954	25533201
9	DDGM (ag.) Pune	020-25533420	25535953	
10	D.D.G.M. (RMC Mumbai-5)	022-22150517	22150517	22150517
11	Dir. Meteorology Center Ahmedabad	22865165 (M)9978406424	26852615	22865449
12	Meteorologist Weather Forecasting A'bad	22861413	26852615	22865449
13	Asst. Meteorologist II IMD, Bhuj	02832-250575	223051	250575
14	Kevadia Observatory	02640- 232122, 232041	231137	232122
15	IMD (Seismo) New Delhi	011-24619943		
16	IMD , Ahmedabad (MET)	079-22865012		22865449
17	Director (I/c), A'bad	079-22865165		
18	Met. (I/c), A'bad	079-22861413		22865449
19	Duty Officer, CWC, A'bad	079-22865012		22867206

7. Airport Authority of India

Airport	Designation	Tel No.(O)/Fax
S.V.P.I. Airport, Ahmedabad	Airport Director	22869211 , (F)22863561
S.V.P.I. Airport, Ahmedabad	Shift Duty Airport Manager T-1 (Domestic Terminal)	22869266
S.V.P.I. Airport, Ahmedabad	Shift Duty Airport Manager T-2 (Domestic Terminal)	22867664
S.V.P.I. Airport, Ahmedabad	Jt.General Manager (T.M.)	22885520
S.V.P.I. Airport, Ahmedabad	Shift Duty Officer Air Traffic Control Tower	22869251
S.V.P.I. Airport, Ahmedabad	Jt.General Manager (A.T.M.)	22863396
Rajkot	Rajkot Airport	0281-2442853 2451849 (Station), 2454613
Vadodra	Vadodra Airport	0265-2482228 2482741,2481356
Bhavnagar	Bhavnagar Airport	0278-2201418, 2208226

8. Western Railway

Security Helpline (Suburban) 1311

Security Helpline (All India) 182

S. No.	Division	Designation	Name	Office
1	Mumbai Central	DRM	Sh. Shailendra Kumar	022-23002977
2	Vadodara	DRM	Sh. Ashutosh Gangal	0265-2638081
3		ADRM	Sh. Hemant Kumar	0265-2641414
3	Bhavnagar	DRM	Sh. Jyoti Prakash Pandey	0278-22445475
4		ADRM	Sh. Harish Gupta	0278-2445506
5	Rajkot	DRM	Smt. Anuradha Mukhedkar	0281-22477006
6		ADRM	Sh. Ravi Agrawal	0281-2476903
7	Ahmedabad	DRM	Sh. Rahul Agarwal	079-24114588
8		ADRM	Sh. Ashutosh Goutam	079-22204590
9	Ratlam	DRM	Sh. Manoj Sharma	07412-232300
10		ADRM	Sh. Sanjay Agrawal	07412-243212

Western Railway - Headquarter Office (Mumbai)

Chief Bridge Engineer (Churchgate, Mumbai)	022-22015154 (O) 9869048946 (M)
Chief Controller (Churchgate, Mumbai)	022-22017420, 022-22084287

II. State Level

1. Gujarat State Disaster Management Authority, (GSDMA)

S. N.	Name	Designation	Office	Mobile
1	Smt. Anju Sharma, IAS	Chief Executive Officer	23259502	99784 05600 99784 07003
2	Shri L.G. Ambujakshan	PS to CEO	23259276	89051 95950
3	Shri G.C. Bhrambhatt	Additional CEO	23259217	9978407004
4	Shri P.B. Thakar	Additional CEO		9978407007
5	Shri A. B. Patel	Director	23259219	99784 07006
6	Shri J.J. Shelat	Director (Finance)	23259021	9978441047
7	Shri Nisarg Dave	Dy. Director	23259501	97270 60666
8	Shri Sumedh Patil	Dy. Director	23259279	85698 99707
	Shri Piyush Ramkate	Sector Manager	23259283	96620 07130
9	Shri Santosh Kumar	Sector Manager	23259220	97377 12160
10	Shri Anil Kumar	Sector Manager	23259220	99784 30861 97273 07852
11	Shri Ankit Jaiswal	Sector Manager	23259246	89805 19955
12	Ms. Ambika Dabral	Sector Manager	23259246	9687317749
13	Ms. Akanksha Jain	Sector Manager	23259306	7572959691

14	Shri Bhushan Raisinghani	Sector Manager	23259306	9099017607
15	Ms. Disha Dwivedi	Sector Manager	23259283	7506580891

2. SEOC Important Telephone Numbers - (079)

S. No.	Designation	Name	Mobile No.	Office
1	Commissioner of Relief	Smt. Anju Sharma	9978405600	23251926
2	Director of Relief	Sh. Mangalpura	9978406087	23251611-12
3	Dy. Collector (DM)	Sh. B.G.Patel	9978405741	23251900
4	Mamlatdar	Sh. R.C. Raval	9978405745	23251907
5	Deputy Mamlatdar	Sh. Bhavesh Varsat	9978405304	23251914
6	Deputy Mamlatdar	Sh. N.S. Yogi	9978405747	23251914
7	Deputy Mamlatdar	Sh. P.I. Bhatt	9998140383 9978405748	23251914
8	Deputy Mamlatdar	Sh. R.S Desai	9978405748	23251914
9	Assistant Manager	Sh. Vivek Raval	9574954550	23255334
e-mail	revcontrol1@gujarat.gov.in / revcontrol2@gujarat.gov.in			
SEOC	079 232 51900, 23251902, 23251907		(Office) Fax	23251912
	23251914 / 23251908			23251916

3. 6Bn, NDRF, Chiloda Road, Gandhinagar

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

4. Air Force Gandhinagar

Wing Commander, Air-II for Air Commander-in-Chief, Sector-9, Gandhinagar	23242600/5241 (F)23240076/88
--	---------------------------------

5. IMD Regional Offices

S. No.	Location	Office No.
1	CDR Bhuj	02832-220007, 250575
2	Veraval	02876-220004
3	Vadodara	0265-2482228
4	Deesa	02744-221178
5	Okha	02892-262129
6	Rajkot	0281-2451296
7	Keshod	02871-236110

8	Porbandar	0286-2220955
9	Dwarka	02892-234437
10	Bhavnagar	0278-2209440
11	Surat	0261-2725092
12	Naliya	02831-222201
13	Kandla (Port)	02836-257905
14	Bhavnagar (Seismo)	0278-2209440

6. Institute of Seismological Research

S. No.	Designation	Office	Residence	Mobile
1	Director General	66739001, 66739015(Fax)	-	997840 7515
2	Scientist-C	66739015	-	99252 43646
3	Data Centre	66739000, (F) 66739028	-	-

7. Bhaskaracharya Institute of Space Application & Geo-informatics (BISAG)

S. No.	Designation	Office	Residence	Mobile
1	Director	23213081/90 (F)23213091	23254846	9909945001
2	Manager	23213083	-	9909945022

8. Information and Communication

Media	Code No.	Office
All India Radio (AIR), Ahmedabad	079	27541195
AIR, Vadodara	0265	2643843
AIR, Bhuj	02832	254310
AIR, Godhra	02672	241478
AIR, Ahwa	02631	220295
AIR, Daman	0260	2242966
AIR, Rajkot	0281	2385602
AIR, Surat	0261	2234450
NDTV	079	26929618
DDK, Ahmedabad	079	26853816
Aaj Tak		9879810101
Star News	079	26872529 9825025400
Zee News	079	26857880 9825021413

9. Gujarat Maritime Board

Head Office, Control Room, Gandhinagar 079- 23224758

Fax No. 079- 23236499

DM Cell, Gandhinagar 079-23238346, 23238347, 23238351

Fax No.079- 23236499

S. No.	Designation	Name	Fax No.	Office No.	Mobile
1.	VC & CEO, GMB , Gandhinagar	Sh. A. K. Rakesh	079-23234703	23238363	9978407328
2.	Magdalla Port Officer	Capt. R.K. Raman	0261-2435645	2430533	9925153038
3.	Bharuch Port Officer	Capt. Kuldeep Singh	02642-243140	241772	9998057507
4.	Bhavnagar Port Officer	Capt. Sudhir Chhadha	0278-2211026	2210221	9925153073
5.	Alang Port Officer	Capt. Sudhir Chhadha	02842-235955	235621	9925153073
6.	Jafrabad Port Officer	Capt. Sudhir Chhadha	02794-245165	245443 245165	9925153073
7.	Veraval Port Officer	Capt. Banshiva Ladva	02876-221073	221139	9825412186
8.	Porbandar Port Officer	Capt. Banshiva Ladva	0286-2253664	2242404	9825412186
9.	Navalakhil Port Officer	Capt. Ashwin B. Solanki	02822-234465	227304	9979669659
10.	Okha Port Officer	Capt. Rakesh Mishra	02892-262002	262109	9601254062
11.	Mandvi Port Office	Sh. R.C. Patel	02834-230033	222633	9925153083
12.	Mundra (Adani Port)	-	02838-222136	222136	-
13.	Kandla Port Trust	-	270624	223461 233001	-

10. Telecommunication

Name	Designation	Office
SICN (Sachivalaya Internal Communication Network)	TATA Helpline	23256000, 23251499, 23256789
Rakesh Desai	BSNL Gandhinagar Area Manager	23229191
V.B. Soni	BSNL Gandhinagar Divi. Eng.	23225005
Parmar	BSNL Gandhinagar Commercial	23240999

III. District Level

1. GSWAN Network

GSWAN Control (Help)		777
S. No.	District Name	Code
1.	Ahmedabad	2000
2.	Amreli	2200
3.	Anand	2300
4.	Banaskantha	2400
5.	Bharuch	2500
6.	Bhavnagar	2600

7.	Dahod	2700
8.	Dang	2800
9.	Gandhinagar	2900
10.	Jamnagar	3000
11.	Junagadh	3100
12.	Kheda	3200
13.	Kutch	3300
14.	Mehsana	3400
15.	Narmda	3500
16.	Navsari	3600
17.	Panchmahal	3700
18.	Patan	3800
19.	Porbandar	3900
20.	Rajkot	6000
21.	Sabarkantha	6100
22.	Surat	6200
23.	Surendranagar	6300
24.	Vadodara	6400
25.	Valsad	6500
S. No.	Local Office	Extn.No.
1.	Collector	123
2.	RDC	132
3.	PA to Collector	123
4.	Add. Collector	121
5.	Dist. Planning Officer	124
6.	Election Department	125
7.	Disaster Management	100
8.	Dist. Supply Officer	126
9.	PRO Branch	127
10.	Chitnis	128
11.	Home Department	129
12.	Mid Day meal Office	130
13.	MDC	131
14.	GSWAN Coordinator	133
S. No.	Other Office	Extn.No.
1.	DSP (Rural)	200
2.	DDO & Panchayat	201
3.	Prant Office	202
4.	Mamlatdar Office (City)	203
5.	Civil Surgeon	204
6.	Civil Survey Office	205
7.	DILR	206
8.	Dist. Indust. Office	207

9.	RTO	208
10.	Social Welfare	209
11.	DEO	210
12.	Dist. Court	211
13.	Dist. Register	212
14.	Dist. Mahiti Office	213
15.	Stamp Duty	214
16.	LAQ (SSNL)	215
17.	Geology & Mining Office	216
18.	Forest Office	217
19.	Water Supply	218
20.	R & B	219

2. Ahmedabad

Designation	Name	Phone Numbers (Code 079)		
		Office	Fax	Mobile
Collector	Smt. Avantika Singh Aulakh, IAS	27551681	27552144	9978406201
Police Commissioner	Shri Shivanand Jha, IPS	25633434, 258865511	25630600	9978406258
DSP (Rural)	Shri Nirlipt Rai	26890440, 26890886	22686145	9978406342
RAC	Shri A.B.Gor	27551682	27552144	9978405173
DDO	Shri Bhargavi Dave	25506487	25511289 25507762	9978406226
CDHO	Dr.Shilpaben Yadav	25501204		9099064001, 9099064799
DEO, City	Shri A.K.Rathod	27912966, 27910383		9909970201
DEO, Rural	Shri A.K.Rathod	27913264	27910571	9909970202
DPEO	Shri M.B.Barad	25507126	25501956	9909970227
Disaster Mamlatdar	Shri N.G.Kumpavat	27560511	27552144	9974718833
DPO	Ms. Ankita Padhalni	27560511	27552144	7506559065 86506559065
Ahmedabad Municipal Corporation				
Municipal Commissioner	Shri D.Thara, IAS	25352828, 25391811	25354638, 26841203	9979890140 9879997989
Dy. MC (M.Z.)	Shri I.K.Patel	25350606	22160774	9099700022
Dy. MC.(E.Z.)	Shri D.S.Gor	25354393	25351187	9327038720
Dy. MC (N.Z.)	Shri S.M.Khatri,IPS	22800803	22804912	9978407280 9978405020
Dy. MC (S.Z.)	Shri C.R.Kharsan	25462252	25452253	8469233111
Dy. MC (N.W.Z.)	Shri D.P.Desai	27495669	27495784	7567037777
Dy.Muni.Commi. (W.Z.)	Shri R.B.Barad	27552047	27551163	7567038888
Chief Fire Officer	Shri M. F. Dastoor	22148466	22148598 22148465	9327038754
Project Officer	Shri Prashant Makwana	27560511	27552144	9825498315

3. Amreli

Designation	Name	Phone Numbers (Code 02792)			Email Id
		Office	Fax	Mobile	
Collector	Shri Dilip Rana, IAS	222307	222710	9978406202	collector-amr@gujarat.gov.in
RAC	Shri J.K.Thesia	228903	222710	9978405203	add-collector-amr@gujarat.gov.in
DSP	Shri R.P.Barot	222333	222711	9978405063	sp-amr@gujarat.gov.in
CDHO	Dr. K.P.Patel	222115	222115	9978967602	dso.health.amreli@gmail.com
DPEO	Shri B.K.Patel	222109	222109	9909971652	adpeoamr@gmail.com
DDO	Shri Sujeet Kumar	222313	222378	9978406227	ddo-amr@gujarat.gov.in
Fire Officer	Shri S.R.Radia	223592	220916	9825236576	amrelimunicipality@yahoo.com
District Municipal Officer	Shri S.R.Radia	223592	220916	9825236576	amrelimunicipality@yahoo.com
Executive Engineer R&B	Shri P.H.Dubala	223100	222776	9825955481	exe-amr-rnb@gujarat.gov.in
Factory Inspector	Shri S.P.Parmar	0285-2636946	0285-2635013	9998034709	jif-lab-jun@gujarat.gov.in
Disaster Mamlatdar	(I/C)Shri D.V.Vithalani	230735	221600	9428953251	dismgmt-amr@gujarat.gov.in
President, Red Cross	1.Dr.B.J.Kanabar 2.Dr.Piyush Govswami	224546	-	9426914677 9427744599	redcrossbloodbankamreli@gmail.com
District Project Officer	Shri H.A. Dodia	230735	221600	9825664254	dodiaharesh@yahoo.co.in

4. Anand

Designation	Name	Phone Numbers (Code 02692)			Email Id
		Office	Fax	Mobile	
Collector	Dr. Dhaval Patel	261575	226157	9978406203	collector-and@gujart.gov.in
RAC	Sh. B M Virani	262040	226157	9978405175	rdc-and@gujrat.gov.in
S.P	Sh. Saurabh Singh	260027	260623	99784 05064	sp-and@gujrat.gov.in
CDHO	Dr R B Patel	268775	243895	7567870001	cdho.health.anand@gmail.com
Civil Surgeon	Dr Kumbvant	02696-224645	-	9825599197	-
DEO	Sh. Chodhari	2223453	-	9909970231	-

DPEO	Sh. Prakashbhai K Trivedi	268775	243895	9909971653	dpeo-and.1@gmail.com
DDO	Sh. M D Mudiya	241110	243895	9978406228	ddo-and@guj.gov.in
Fire Station Anand Municipality	Sh. Kamleshbhai Bhrambhatt	2431101	243948	9725018102	-
District Municipal Officer	Sh. R T Zala	261575	226157	9427349273	-
State- Executive Engineer, R & B	Sh. K.D.Mheta	260455	262532	9978968299	-
Panchayat- Executive Engineer, R & B	Sh. R R Parmar	251597	259139	9427619147	-
Industrial Safety & Health Department	Sh. M Asari	264396	264396	9825457397	do-75478-and@gujarat.gov.in
Disaster Mamlatdar	Sh. B P Vasava	243222	266193	9979080419	dismgmt-and@gujrat.gov.in
Red Cross Secretary	Sh. Girishbhai V Patel	241698	-	9825057039	info@redcrossanand.org
District Project Officer	Ms. Darshana Paghadar	243222	266193	9974772343	dismgmt-and@gujrat.gov.in

5. Arvalli

Designation	Name	Phone Numbers (Code 02774)			Email Id
		Office	Fax	Mobile	
Collector	Ms. Shalini Agarwal	247800	247801	9978405935	collectoraravalli@gmail.com
RAC	Shri C. M. Chavda	245800	247801	9727756393	add-collector-arv@gujarat.gov.in
SP	Shri K M Damor	248666	248406	9978405978	sp-arv@gujarat.gov.in
CDHO	DR Amarnath Varma	248911	-	7575800951	-
DEO	Shri A P Zala	249749	-	9427694826	-
DPEO	Shri A P Zala (IC)	240694	-	9427694826	-
DDO	Shri Vishal Gupta	241544	240744	9824456671	-
Fire Inspector	Shri Divyang Bhatt	246209	248209	9226498947	-
Chief Officer-Modasa	Shri Harish Agraval	246209	-	9429109609	-
Chief Officer-Bayad	Shri B L Desai	222019	-	9426586115	-
Executive Engineer-State-R&B	Shri B K Bhavsar	241651	-	9825278896	eernbhmt@gmail.com

Executive Engineer- Panchayat-R&B	Shri R C Damor	240651	-	9426398323	-
Disaster Mamlatdar	Shri D S Joshiyara	249810	-	9426821537	-
President, Red Cross	Shri Hiteshbhai	245690	-	9427863212	-
District Project Officer	Shri Paul Gamit	250221	-	9726646091	paulgamit7@gmail.com

6. Banaskantha

Designation	Name	Phone Numbers (Code 02742)			E – Mail ID
		Office	Fax	Mobile	
Collector	Shri Jenu Devan, IAS	257171	252740	9978406204	collector-ban@gujarat.gov.in
RAC	Shri N D Mistry	254004	252740	9978405176	rdc-ban@gujarat.gov.in
S P	Shri Nirajkumar Badgujar	257015	252190	9978405065	sp-ban@gujarat.gov.in
CDHO	Shri A H Aacharya	252243	-	9727730004	cdho.health.banaskantha@gmail.com
Civil Surgeon, Palanpur	Dr.S N Patel	253083	251709	9824266375	cdmo.health.palanpur@gmail.com
DEO	Dr. R K Patel	257055, 254262	-	9909970210	bandeo@gmail.com
DPEO	Dr. D R Darji	257063	252063	9909971654	dpeobanaskantha@gmail.com
DDO	Shri Amit Arora, IAS	254060	252063	9978406229	ddo-ban@gujarat.gov.in
District Municipal Officer	Shri Pankaj Barot	257372, 252031	252740	9974650055	np_palanpur@yahoo.co.in
Executive Engineer, State, R & B	Shri H A Shah	252430	257088	9879530186	-
Executive Engineer, Panchayat, R & B	Shri S D Parmar	257195	257197	9825761366	-
Dy.Director, Industrial Safety and Health	Shri R D Patel	231501	-	7041306642	-
Asst.Director, Industrial Safety and Health	Shri M C Gohil	231501	-	9824653057	-

I/C Disaster Mamlatdar (Chitnish to Collector)	Shri S B Bara	255787	252740	9909749718	chitnish-ban@gujarat.gov.in
Secretary, Red Cross	Shri S P Prajapati	-	-	9428984758	spprapln@gmail.com
District Project Officer	Shri Sanjaykumar.N. Chauhan	250627	252740	9537511458	sanjaykumarchauhan91@ gmail.com

7. Bharuch

Designation	Name	Phone Numbers (Code No. 02642)			Email Id
		Office	Fax	Mobile	
Collector	Sh. Sandip J Sagale, IAS	240600	240602	9978406205	collector-bha@gujarat.gov.in
RAC	Shri B.G.Prajapati	222332	240602	9978405177	add-collector-bha@gujarat.gov.in
SP	Sandeepsingh, IPS	223633	223401	9978405066	cor-police-bha@gujarat.gov.in
CDHO	Dr.V.S.Tripathi	243660	261332	9727702155	cdho.health.bharuch@gmail.com
DEO	Shri R.J.Macchi	240424	240424	9909970211	bharuchdeo@gmail.com
DPEO	Shri S.L Dodiya	244210	240951	9909971661	dpgbharuch@gmail.com
DDO	Shri Anand B Patel, IAS	240603	240951	9978406230	ddo-bha@gujarat.gov.in
Fire Officer	I/c Salim Mohan	220151	241753	9574007007	np_bharuch@yahoo.co.in
DMO	Shri K.M.Vanani	243525	241753	9574007002	np_bharuch@yahoo.co.in
Ex.Engineer (R&B) State	Shri P.V.Rathod	651641	241476	9825331753	rnb_bharuch@yahoo.co.in
Dy.Director Industrial Safety & Health	Shri D.K.Dave	240421	240421	7567017319	dydishbh@gmail.com
Disaster Mamlatdar	Shri I N Parekha	242300	251900	9408703201	dismgmt-bha@gujarat.gov.in
Red cross- Co-ordinator	Dr. J. Khilawani	243603	243603	9427879628	redcrossbloodbank_bch@yahoo.com
District Project Officer	Shri Bhavesh S Gohil	242300	251900	9824468110	bsgohil@gmail.com / bhavesh.gohil@gsdma.org

8. Bhavnagar

Designation	Name	Phone Numbers (Code No. 0278)			Email Id
		Office	Fax	Mobile	
Collector	Shri Banchhanidhi Pani	2428822	2427941	9978406206	-
SP	Shri Deepankar Trivedi	2520050	-	9978405067	-
RAC	Shri R.P.Chaudhari	2421881	-	9978405178	-
CDHO	Shri H.F.Patel	2423665	-	9727779661	-
DPEO	Shri A.B.Prajapati	2439954	-	9909970212	-
DDO	Shri Aayush Sanjiv Oak	2426810	-	9978406231	-
Executive Engineer , State, R&B	Shri K.M.Shah	2423383	-	9824340099	-
Executive Engineer, Panchayat, R&B	Shri P.V.Gajera	2422548	-	9426432833	-
Assistant Director Industrial Health & Safety	Shri P.M.Mistri	2428473	-	9426325759	-
Mamlatdar DM	Shri D. N. Vyas	2521555	2437700	9825137113	dismgmt-bav@gujarat.gov.in
Red Cross	-	2427286			
DPO	Dimpal Teraiya	2521554	2437700	9824438275	teraiya.dimpal.89@gmail.com
Bhavnagar Municipal Corporation					
Municipal Commissioner	Shri Jai Prakash Shihhare	2510532	2428628	9978408567	-
Chief Fire Officer	Shri Vyas	2430061	-	9825606021	-
Project Officer	Dimpal Teraiya	2521554	2437700	9824438275	teraiya.dimpal.89@gmail.com

9. Botad

Designation	Name	Phone Numbers (Code 02849)			Email Id
		Office	Fax	Mobile	
Collector	Ms Praveena D.K, IAS	271301	271304	9978405931	collector-botad@gmail.com
RAC	Shri R.H.Gdhavi	271307	271304	9825223157	-

SP	Shri Saroj kumari	231400	241564	9978405988	sp-botad@gujarat.gov.in
Dy. S. P. (HQ.)	Shri.A.R.Desai	231406		9909917360	picontrol-botad@gujarat.gov.in
CDHO	Dr.Rakesh Chuhan	0278-2423665	-	9727723323	
DEO	Shri R.S.Upadyay	253476	-	9428221902 7574812276	botaddeo@gmail.com
DPEO	Shri. H.H.Chodhari	253476	-	7567803017	
DDO	Shri Hitesh Koya	255222	255333	99784064963	ddo-bav@gujarat.gov.in
Chief Fire Officer	Shri S.T.Ramanuj	251427		7574870100	np_botad@yahoo.co.in
Fire Officer	Shri Jayrajsinh Solanki	252420		9662062100	-
R&B	Shri A.R.Sakshena	251448	251443	9825189845	dy.eebotad@gmail.com
Disaster Mamlatdar	Shri G.V.Miyani	251412	271304	7567001718	mam-botad@gujarat.gov.in
DPO	Shri J.V.Raol	271341	271304	7878319376	disas-collector-bota@gujarat.gov.in

10. Chota Udepur

Designation	Name	Phone Numbers (Code 02669)			Email Id
		Office	Fax	Mobile	
Collector	Shri. Vijaykumar L Kharadi	233003	233002	9978405937	colltorchhotaudepur@gmail.com
RAC	Shri. A J Patel	233004	233002	9824048430	colltorchhotaudepur@gmail.com
Superintendent of Police	Shri. P C Baranda	233101/2, 233077	233103	9978405977	sp-cpr@gujarat.gov.in
CDHO	Shri. M R Chaudhary	-	-	94266770602	
DEO	Shri. M G Malik	232137	-	9426535723	deochhotaudepur@gmail.com
DDO	Shri.Amarutesh Kalidas Aurangabadkar	232250	-	9978405202	ddochhotaudepur@gmail.com
Chief Officer	Miss N.K Pandav	232059	-	9925133977	np_cudepur@yahoo.co.in
District Municipal Officer	Shri.S N Katara(I/C)	233005	233002	9722176758	colltorchhotaudepur@gmail.com
Ex. Engineer, R&B	Shri T G Sandhiya	0265-2351911	-	7567183222	
Disaster Mamlatdar	Shri M S Bhoi(I/C)	026690-232331	-	9924313767	mam-chotaudaipur@gujarat.gov.in
DPO	Viral Christian	-	-	9510843873	viral_music12@yahoo.com

11. Dahod

Designation	Name	Phone Numbers (Code 02673)			E-mail
		Office	Mobile	Fax	
Collector	L. P. Padalia	239001	99784 06207	239005	collector-dah@gujarat.gov.in
D D O	S.J.Mayantra	239066	99784 06232	239138	ddodahod@gmail.com
DSP	Manoj Ninama	222300	99784 05068	220800	dahodsp@gmail.com
RAC	K.J.Border	239234	9978405179	239005	racdahod@gmail.com
CDHO	J.J.Pandya	239130	7567895502	239138	cdhodahod1@gmail.com
DEO	Dr.S.P.Chaudhary	239100	9909970224	239100	deodahod1@gmail.com
DPEO	R.D.Vankar	239113	9909971662		Dpeodahod1@gmail.com
Chief Fire Officer	V.L.Solanki	220510	9427018663	-	cfodahod@gmail.com
Mamlatdar , Disaster	M.V.Chaudhari	239277	9913736456	239277	dismamlatdardahod@gmail.com
DPO	Chintan Patel	239277	8866641248	239277	Chintucn3@gmail.com

12. Devbhoomi Dwarka

Designation	Name	Phone Numbers (Code 02833)			Email Id
		Office	Fax	Mobile	
Collector	Sh. H. K. Patel	232804/05	232102	9978405933	collector-devbdwarka@gujarat.gov.in
RAC	Sh. R.V. Sarvaiya (I / C)	232620	-	9727763794	addl-collector-dev@gujarat.gov.in
SP	Shri R. J. Pargi	232002, 233223, 232112	-		spdevbhumi@gmail.com
CDHO	Dr. S.P. Singh	235974	-	7567880003	cdho.health.dwarka@gmail.com
DEO	Sh. G. D. Patel	235976			deodevbumidwarka@gmail.com
DPEO	Sh. M.S. Makvana (i/c)	232135	-	9428151777	-
DDO	Sh. R.R. Raval	235947	-	-	-
District Municipal Officer	Sh. C.B. Dudiya	232805	-	-	muni-devbdwarka@gujarat.gov.in

Executive Engineer, R&B (Panchayat)	Sh. A. S. Patel	2670287		9825363790	
Disaster Dy. Mamlatdar	Sh. B. V. Chavda	232805	232102	9974718833	
DPO	Sh. Yashvantsinh K. Parmar	232125	232102	9426950783	yashvantsinh.parmar@gmail.com

13. Gandhinagar

Designation	Name	Phone Numbers (Code 079)		
		Office	Mobile	Fax
Collector	Shri Satish Patel	23259030, 23220630	9978406209	23259040
D.D.O	Ms. Jayshreen Devangan (i/c)	23222618, 23256981	9978406234	23256949
D.S.P.(Rural)	Shri Virendra Yadav	23210901, 23259141-42	9978405070	23210906
RAC	Shri V. G.Kalariya	23221460, 23259035	998405121	23259181
CDHO	Dr.D.C.Jagani	23256942, 23256945	9909966909	23222088
DEO	Shri S.M.Barad	23259065, 23259066	9909970227	23220314
DPEO	Shri N.M.Rathod	23256955, 23222540	9909971673	23223266
Mamlatdar Disaster	Smt. Jayshreeben Shah	23256639	9909574807	23245878
DPO	Smt. Varshaben Patel	23256639	9824502718	23245878
Gandhinagar Municipal Corporation				
Municipal Commissioner	Shri D.N.Modi	23220440	9978400531	23221419
Chief Fire Office	Shri M.K.Mod	23222100, 23222742	9427955551	---

14. Gir Somnath

Designation	Name	Phone Numbers (Code 02876)			Email Id
		Office	Fax	Mobile	
Collector	Dr. Ajay Kumar	240001	243300	9978405934	collector-girsomnath@gujarat.gov.in
RAC	Shri P.B.Pandya	240003	243300	9727756448	--
DSP	Shri A.M.Muniya	222250	222110	9978405974	sp-gir@gujarat.gov.in

CDHO	Shri B.L.Acharya	244298		7567885222	cdho.health.girsomnath@gmail.com
DEO	Shri K.P.Patel	221095		9099025943	girsomnathdeo@gmail.com
DDO	Shri Ashok Kalariya	249250	249255	9978406236	ddogirsomnath@gmail.com
District Municipal Officer	I/C Shri Manoj Solanki	247128	--	9426448841	
Executive Engineer, R&B	I/C Shri A.N.Patel	0285-2631628		9428715290 9998017171- Shri Joshi	rnbveraval@gmail.com
Factory Inspector	Shri S.P.Parmar	0285-2636946	0285-2635013	9998034709	jif-lab-jun@gujarat.gov.in
Disaster Dy. Mamlatdar	Shri Kishan Garsar	240063/1077 243344	243300	9586620999	collectorgirsomnath@gmail.com
DPO	Shri Kratu.S.Trivedi		243300	9426969236	kratustrivedi@gmail.com

15. Jamnagar

Designation	Name	Phone Numbers (Code 0288)			Email Id
		Office	Fax	Mobile	
Collector	Shri R.J.Makadia	2555869	2555899	9978406210	collector-jam@gujarat.gov.in
RAC	Shri Ketan Thakkar	2550284	2555899	9978405210	addl-collector-jam@gujarat.gov.in
DDO	Shri M. A. Pandya	2553901	2552394	9978406235	ddo-jam@gujarat.gov.in
SP	Shri Pradip Sejul	2554203	2556382	9978405639	sp-jam@gujarat.gov.in
CDHO	Dr.A.G.Bathwar	2671097	2552394	7567880001	cdho.health.jamnagar@gmail.com
DPEO	Shri B.M.Dave	2676532	2552394	9925005395	dpeojamnagar@gmail.com
DEO	Shri Dr.M.R.Sagarka	2553321	2553321	9909970206	jamndeo@gmail.com
Ex. Engineer, R&B	Shri B.J.Shamla	2550362	2662781	9825222360	rnb-jam@gujarat.gov.in
DMO	Shri Chetan dudiya	2557601	2555899	9909017970	npl-jam@gujarat.gov.in
ADISH	Shri A.S.Gandhi	2678206	2678206	9426140676	jif-lab-jam@gujarat.gov.in
Mamlatdar Disaster Management	Shri G.D.Bariya	2553404	2541485	9925984219	dismgmt-jam@gujarat.gov.in
Red Cross	Shri Bipinbhai Zaveri	2771161	-	9824556555	abhay_jhaveri69@yahoo.co.in

DPO	Ms. Swati Mishra	2553404	2541485	7666094811	mishra.rits5@gmail.com
Jamnagar Municipal Corporation					
Municipal Commissioner	Shri Harshad Patel	2552321	2554454	9726522333	mcjamnagar@gmail.com
CFO	Shri K.K.Bishnoi	2672208	2554454	9978531101	knbishnoi@gmail.com

16. Junagarh

Designation	Name	Phone Numbers (Code 0285)			Email Id
		Office	Fax	Mobile	
Collector	Shri Rahul Gupta	2636100	2635599	9978406211	collector-jun@gujarat.gov.in
RAC	Shri R.G. Jadeja	2636666	2635599	9978405211	add-collector-jun@gujarat.gov.in
SP	Shri Nilesh Jajdiya	2635633	2650501	9978405250	dsp-jun@gujarat.gov.in
CDHO	Shri S.V. Sapariya (I/C)	2633074	2633131	7567885222	dho-ddo-jun@gujarat.gov.in
DEO	Shri N.A. Hariyani (I/C)	2630151	2630151	9909970225	deo-jun@gujarat.gov.in
DDO	Shri Ajay Prakash	2635315	2636317	9978406236	ddo-jun@gujarat.gov.in
Fire Superintendent	Shri Santosh Patel	2620841	2651510	9913300151	fire.santosh101@gmail.com
District Municipal Officer	Shri J. V. Mehta (I/C)	2630397	2635599	9824510305	nagarpalika-mam-jun@gujarat.gov.in
Executive Engineer, R & B	Shri A. N. Patel	2631628	2672473	9428715290	r&b-jun@gujarat.gov.in
Industrial Safety & Health Officer	Shri H.P. Parmar	2636946	2635013	9998034709	gifio-gif-leb-jun@gujarat.gov.in
Disaster Mamlatdar	Shri A. M. Bhatt	2633446	2633449	9429765444	dismgmt-jun@gujarat.gov.in
Director DM Coordinator, Red Cross	Shri Suresh Gami	27557055	27551790	09426182556	sureshgami_2@rediffmail.com
	Shri Milap Patel			09426502298	ircsguj@hotmail.com
District Project Officer	Shri Yuvraj Singh Rajput	2633447	2633449	9004416663	yuvraj.singh20@gmail.com
Junagadh Municipal Corporation					
Municipal Commissioner	Shri Ravi Shankar	2650450	2651510	9427208277	municipalcorporationjund@yahoo.co.in

17. Kheda

Designation	Name	Phone Numbers (Code 0268)			Email Id
		Office	Fax	Mobile	
Collector	Shri.K.K.Nirala	25583334	2553358	9978406212	collector-khe@gujarat.gov.in
RAC	Shri.M.K.Dave	2557262	2553358	9978405597	add- collector-khe@gujarat.gov.in
Dy. SP (HQ)	Shri. A.P.Chaudhari	2564350	2550249	9978407661	
CDHO	Shri.DR. Shnghvi	2556273	2553339	7567863211	cdho.health.kheda@gmail.com
DEO	Shri.D.G.Patel	2550183	2550183	9909970205	khedeo@gmail.com
DPEO	Shri.C.M.Jadav	2557452	--	9909971682	----
DDO	Shri. Pravina D.K	2557262	2532802	9978406237	ddo-khe@gujarat.gov.in
Executive Engineer, R & B (Panchayat)	Shri. N.K. Patel	2557640	2557640	9824050941	----
Executive Engineer, R & B (State)	Shri. K.C. Gayakvadl/C	2566404	2563598	9537496979 9426020160	ec- khe@gujarat.gov.in
District Municipal Officer	Shri Dashrathsinh Gohil	2563129	2551378	9727774581	nadiadmunicipaliti@yahoo.com
Fire Officer	Shri KishanBhai Sharma	2560101	2551378	9099904936	krishnakumarsharma373@gmail.com
Industrial Safety & Health Department	Shri N.K.Rathava	2568986	2568986	--	fis-lab-khe@gujaratgov.in
Disaster Mamlatdar	I/C Shri. R.D.Patel	2531770	--	7567003586	mam-dm-nad-khe@gujarat.gov.in
Red Cross	Shri Anup Desai	2566944	--	9825160846	-----
DPO	Ms. Sachee H.Desai	2553357	--	9725678973	sacheedesai@gmail.com

18. Kutch

Designation	Name	Phone Numbers (Code 02832)			Email Id
		Office	Fax	Mobile	
Collector	Shri M. A. Gandhi	220020	250430	9978406213	collector-kut@gujarat.gov.in
RAC	Shri D.A.Shah	250650	250430	9978405212	dashah_gas@yahoo.com
DSP, Bhuj	Shri Makrand Chuhan	250444	250427	9978405056	sp-kut@ gujarat.gov.in

DSP, Gandhidham	Shri G.V. Barot	02836 280387	02836 280387	99784 05690	sp-east-kut@gujarat.gov.in
C.D.H.O.	Dr. D. K. Dabhi	252207	221666	9909941234	-
D.E.O.	Dr. M.S. Achary	250156	250156	9909970204	kutchhdeo@gmail.com,
D. D. O.	Shri C.J. Patel	250080	250355	9978406238	ddo-kut@gujarat.gov.in
Executive Engineer, R&B	Shri S.P. Joshi	251450	250424	9824340099	r&b.kut@ gmail.com
Factory Inspector	Shri D G Pamchamiya	02836 260020	02836 260020	9725191715	Jif-lab-kut@ gujarat.gov.in
Disaster Mamlatdar	Shri Umesh Sukla	252347	224150	8460450782	dismgmt-kut@gujarat.gov.in
Chairman, Red Cross	Shri Arunbhai Jain			9825173994	ircskutch @yahoo.com
DPO	Shri Meet Gadhvi	252347	224150	9426545855 7878875855	meet.gadhvi@gmail.com

19. Mahisagar

Designation	Name	Phone Numbers (Code 02674)			Email Id
		Office	Fax	Mobile	
Collector Office	Shri K.B. Upadhyay	250666	250655	9978405936	Collector-mah@gujarat.gov.in
RAC	Shri C.R. Sangada	250165	250655	9727763950	Collector-mah@gujarat.gov.in
DSP	Dr.N.K Amin	250805	250816	9978405980	sp-lunav-mahi@gujarat.gov.in
DDO	Shri R G Gohil	250945	250946	9978406497	ddomahisagar@gmail.com
DEO	Shri Y.H.Patel	250901		7874012755	deomahisagar@gmail.com
CDHO	Shri Swapnil B. Shah	252702		7573006978	-
Chief Fire Officer	Shri Dipak Parmar (i/c)	250006		9978920972	np_lunawada@yahoo.in
District Municipal Office	Shri MahendraSolanki (i/c)			9723868592	Mahendra.srt@gmail.com
D.E, R & B (State)	Shri A.J.Chauhan	250076		9825873849	R&blunawada@gmail.com
Disaster Mamlatdar	Shri N B Barot	250666, 252300	250655	9727170923	-
District Project Officer	Shri Karnelyesh Gamit	252300	250655	9825920032	krngamit@gmail.com

20. Mehsana

Designation	Name	Phone Numbers (Code 02762)			Email Id
		Office	Fax	Mobile	
Collector	Shri Alok Kumar Pandey	22200, 22211	222202	9978406214	collector-meh@gujarat.gov.in
DDO	Shri S.K.Langa	222301, 222302	221447	9978406239	ddo-meh@gujarat.gov.in
SP	Shri Chaitanya R. Mandalik	222122	222125	9978405074	sp-meh@gujarat.gov.in
RAC	Shri Ramesh Merja	222203, 222204	222202	9978405213	Add-collector-meh@gujarat.gov.in
District Health Officer	Dr. Tushar K Soni	222324	518512	9909966907	dho- meh@gujarat.gov.in
DEO	Shri H.H. Rajguru	221171	221171	9909970213	deomehsana@gmail.com
DPEO	Shri H. L. Raval	222320	222320	9909971684	dpeomehsana@gmail.com
Fire Inspector	Shri Haresh Patel	-	221345	9099284101 9725059228	hareshpatel.es@gmail.com
District Municipal Office	Shri H K Patel	222139	222203	9601951935	dmo- meh@gujarat.gov.in
Executive Engineer, R&B	Shri H.M.Pandya	221356	222233	9712914056	rb- meh@gujarat.gov.in
Industrial Safety & Health Department	Shri R D Patel Dr.Trushar K Soni	231501	254924 220282	7041306642 9909966907	ishd- meh@gujarat.gov.in
Disaster Mamlatdar	Shri Virenad Vamdevbhai	222220, 222299	222202	98050595	dis-mangement- meh@gujarat.gov.in
DPO	Anjela Gamadia	222220, 222299	222202	9898283817	angelchrist90@gmail.com

21. Morbi

Designation	Name	Phone Number (Code 02822)			E-mail ID
		Office	Fax	Mobile	
Collector	Mr. I. K. Patel	240701	242640	99784 05932	collector-mor@gujarat.gov.in
RAC	Mr. R. M. Damor	240701	242640	97277 59674	collector-mor@gujarat.gov.in
SP	Mr. Jaypalsinh Rathor	243470/71	243479	9978405975	pa2sp-morbi@gujarat.gov.in
DDO	Mr. Sunilkumar Dholi	222899	222580	99784 06470	pa2ddo.mor@gmail.com
CDHO	Mr. J. M. Katira	222899	222580	97277 00022	cdho.health.morbi1@gmail.com
Superintendent, Civil Hospital	Mr. P. K. Dudhrejiya	230203	230538	98253 58999	ghmorbi@yahoo.co.in
DEO	Mr. A. N. Chaudhari	222875	222875	75778 12279	morbideonew@gmail.com
District Municipal Officer	Mr. Prashant Parikh (I/C)	243301	---	97279 89999	dmodudamor@gmail.com
Executive Engineer R & B (State)	Mr. Y. P. Pathak	2465014	2465014	94283 20305	exe3-raj-rnb@gmail.com
Executive Engineer R & B (Panchayat)	Mr. D. M. Dave	2441077	---	97238 17117	---
Dy. Director Industrial Safety & Health	Mr. D. G. Panchamiya (I/C)	242450	---	98980 10808	dylebmorbi@gmail.com
Mamlatdar, Disaster	Mr. H. M. Kundariya (I/C)	240701	242640	98253 34054	collector-mor@gujarat.gov.in
DPO	Mr. Yakin Shivani	243300	242640	9427433979	yakin.shivani@gmail.com

22. Narmada

Designation	Name	Phone Numbers (Code 02640)			Email Id
		Office	Fax	Mobile	
Collector	Sh. K.M. Bhimjiyani	222161	222171	9978406216 9099943333	collector-nar@gujarat.gov.in
RAC	Sh. D.K. Bariya	222326	222171	7567011360	rdc-nar@gujarat.gov.in
SP	Sh. Mahendr Bagadiya	222167	222316	9978405076	Sp-nar@gujarat.gov.in

CDHO	Dr. B. D. Vegda	222141	221248	9099943388	cdho.health.narmada@gmail.com
DEO	Sh. D. B. Patel	222603	222603	9909970226	narmdeo@gmail.com
DPEO	Sh. B.D. Bariya	222920	222920	9909971686	dcpnarmada@gmail.com
DDO	Dr. Ranjithkumar Singh	224820	222164	9978406241	ddo-nar@gujarat.gov.in
Fire Man	Sh. Faridhai	220763	220654	8141178524	Np_rajpipla@yahoo.com
District Municipal Office	Sh. Bhavesh Vasava	220654	220654	9909777098	rajpiplanagarpalika@gmail.com
Executive Engineer, R&B	Shree V. M. Ojha	222939	222940	9825117188	rnb-nar@gujarat.gov.in
Disaster Mamlatdar	Smt. A. M. Vyas	224001	224719	9879197183	dismgmt-nar@gujarat.gov.in
DPO	Sh. Bantish Parmar	224001	224719	8866621514	parmarbantish@gmail.com

23. Navsari

Designation	Name	Phone Numbers (Code 02637)		
		Office	Mobile	Fax
Collector	Shri Ravikumar Arora	244999	9978406215	281540
D.D.O.	Shri Tushar Sumera	244299	9978406240	230475
DSP	Shri M.S.Bharada	245333	9978405075	247510
Addi . Resi. Dy.Collector	Shri K. S. Vasava	246299	9978405187	281540
CDHO	Dr.Premkumar N Kannar (I/C)	280143	9927704005	232533
DPEO	Shri J.M. Kharadi	258467	9909971688	231810
DEO	Shri K. F. Patel	232572	9909970223	232572
Chief Fire Officer	Ghanshyam Patel	259001	9427515101	-
Mamlatdar Disaster	Shri H.R. Gandhi	259401	7567004599	281540
DPO	Shri Ankit Parmar	259401	9714343111	281540

24. Panchmahal

Designation	Name	Phone Numbers (Code 02672)			Email Id
		Office	Fax	Mobile	
Collector	Smt. P Bharthi	242800	242899	9978406217	collector-pan@gujarat.gov.in
RAC	Shri P S Prajapati (I/C)	242450	241965	9978405217	rdc-pan@gujarat.gov.in
DSP	Shri R V Asari	242200	242812	9978405077	sp-pan@gujarat.gov.in

DDO	Shri V A Vaghela	253377,253351	253350	9978406242	ddo-pan@gujarat.gov.in
CDHO	Shri P K Shrivastav	253367	250668	7567893300	dpc-panchmahal@yahoo.com
DEO	Shri C L Charpot	242240	242240	9909970209	--
Executive Engineer, R & B (State)	Shri N C Bhatt	243421	242873	9824549379	4nb-pan@yahoo.in
Executive Engineer, R & B (Panchayat)	Shri R M Vasava	253381	253382	9426536032	panchmahal-pan-exe@yahoo.co.in
District Municipal Officer	Shri N N Bodat	243184	-	9979879369	np-godhra@yahoo.co.in
Ass. Director Industrial Safety & Health	Shri V J Patel (I/C)	241870	241870	9426537152	--
Chairman, Red Cross	Dr. K V Panchal	252830 / 31	253052	9879318376	--
Chief Fire Officer	Shri P F Solanki	240043	-	9925655817	--
Mamlatdars Disaster	Shri R D Patel (I/C)	242536	242536	9712367236	dimgmt-pan@gujarat.gov.in
DPO	Shri Rakesh Solanki	242536	242536	8238069572	dimgmt-pan@gujarat.gov.in rakeshsolanki905@gmail.com

25. Patan

Designation	Name	Phone Numbers (Code 02766)			Email Id
		Office	Fax	Mobile	
Collector	K K Nirala	233301	233055	9978406218	collector-pat@guj.gov.in
D D O	R B Rajyaguru	223440, 232936	234294	9978406243	ddo-pat@gujarat.gov.in
DSP	A G Chauhan	223555	230182	9978405078	sp-patan@gujarat.gov.in
Resi.Add.Collector	M.J Dave	233400	233055	9978405190	
DEO	S.K sayV	226272	230025	9909970222	
DPEO	aydnaP.G.J	234239	--	9909971692	
CDHO	Dr S.K.Makwana	220592	221554	9687679006	cdho.health.patan@gmail.com
Executive Engineer, R & B	N.J Nayak	232358	-	9825842562	
Dy. Director, Industrial Safety & Health	R.D Patel	02762- 231501		9879152821	

Chief Officer, Fire & Emergency Service	R H Patel	230333	--	9428827879	
District Municipal Office	R H Patel		233055	9428827879	
Red Cross	Dr. Monishbhai C Shah (Secretary) Dr. JK Patel (Chairman)	221891	-	9825808182 9426070790	
Mamlatdar Disaster	K.S Modi i/c	224830	233055	9426405205	dismgmt-pat@gujarat.gov.in
DPO	K.S Patel	224830	224830	3426533915	kamleshpatel.kp@gmail.com

26. Porbandar

Designation	Name	Phone Numbers (Code 0286)			Email Id
		Office	Fax	Mobile	
Collector	Sh. D.G.Patel	2221800	2222527	9978406219	collector-por@gujarat.gov.in
DDO	Sh. C.P.Nema	2243804	2211806	9978406244	ddo-por@gujarat.gov.in
RAC	Sh. G.B. Mungalapura	2221085	2222527	9978405191	collector-por@gujarat.gov.in
DSP	Sh. T.A.Duggal	2211222	2243015	9978405079	sp-por@gujarat.gov.in
CDHO	Dr S.K.Mod	2242731	2242731	7567886334	cdho_por@yahoo.co.in
DPEO	Sh. D.N.Trivedi	2252808	2252808	9909971693	dpeoporbandar@gmail.com
DEO	Sh. N.K.Hariyani	2251350	2253108	9909970225	porbandardeo@gmail.com
Chief Fire Officer	Sh. L.R.Joshi	2249850	2240918	9712701100	jlalit619@gmail.com
District Municipal Officer	Sh. R J Hudad	2240936	2240918	9825148355	co_porbandarnagarsevasadan@yahoo.co.in
Executive Engineer, R & B	Sh. M. N. Bhalodiya	2242547	2242547	9099010801	ee_rnd_pbr@yahoo.co.in
Dy. Director, Industrial Safety & Health	Sh. J.M.Dwivedi	0285-2636946	0285-2635013	9824190891	Jif-lab-jun@gujarat.gov.in
Disaster Mamlatdar	Sh. G.B.Vasava	2220800	2220801	8238889677	dismgmt-por@gujarat.gov.in
President Red Cross Society	Sh. Dr. Janak J. Pandit	2241055	-	9428189946	redcrosspbr@gmail.com
DPO	Sh. K.D.Chetariya	2220800	2220801	9427760669	khimachetariyal@gmail.com

27. Rajkot

Designation	Name	Phone Numbers (Code 0281)			Email Id
		Office	Fax	Mobile	
Collector	Sh. Vikrant Pandey	2473900	2453621	9978406220	collector-raj@guj.gov.in
RAC	Sh. Harshad M Vora	2479351	2453621	9978405218	collector-raj@guj.gov.in
Police Commissioner	Sh. Anoopamsingh Gahlot	2459888	2458526	9978406287	-
S.P	Sh. Antrip Sood	2477220	2476052	9978405080	sp-raj@gujarat.gov.in
CDHO	Dr V H Pathak	2443235	2476361	9727700301	
DDO	Sh. Manoj Kothari	2477008	2479128	9978406245	ddo-raj@gujrat.gov.in
DPEO	Sri R R Patel	2444437	2479128	9878047500	dpeorajkot@yahoo.com
DEO	Sri S V Rajsakha	2223453	22234563	9909970214	-
CFO	Sh. K V Dhela	2227222	2226168	9624718284	-
Municipal Commissioner	Sh. Vijay Nehra	2224133	2224258	9714503701	mc_rmc@rmc.gov.in
Director, Industrial Safety	-	24432800	2442802	9913738051	-
Disaster Mamlatdar	Sh. Pragesh Jani	2471573	2471574	9427241566	collector-raj@guj.gov.in
Red Cross	Dr Dipak Narola	2466260	2464942	9879417776	-
DPO	Sh. Priyank Singh	2471573	2471574	8401595144	priyank1989@gmail.com

28. Sabarkantha

Designation	Name	Phone Numbers (02772)			Email Id
		Office	Fax	Mobile	
Collector	Shri Swaroop.P	241001	241611	9978406221	Collector-sab@gujarat.gov.in
RAC	Shri S.D.Dhanani	246012	228001	9978405219	Add-colle-sab@gujarat.gov.in
SP	Shri P.A.Mal	247333	247933	9978405081	Sp-sab@gujarat.gov.in
CDHO	Dr Manish Fancy	246422	234633	9687679002	Cdho-sab@gujarat.gov.in
Civil Superintendent	Dr Audichay	245102	230100	9586969586	
DEO	Shri B K Trivedi	240793	240793	9909970217	Deo-sab@gujarat.gov.in
DPEO	Shri B K Trivedi i/c	240694		9909970217	Dpeo-sab@gujarat.gov.in
DDO	Shri H. J. Vyas	242350	240872	9978406246	Ddo-sab@gujarat.gov.in
Fire Inspector	Shri Pratapsinh Devda	246720	230100	8238039100	
Executive Engineer-State, R&B	Shri B K Bhavsar	241651	240873	9825278896	eernbhmt@gmail.com

Executive Engineer-Panchayat, R&B	Shri R C Damor	240651	240646	9426398323	
Mamlatdar-Disaster	Shri Kanan Shah	249039	230100	9601268033	mamdisaster@yahoo.com
Red Cross	Shri Hiteshbhai	245690		9427863212	
District Project Officer	Shri K B Patel	250221		9974332782	kanupatel11@gmail.com

29. Surat

Designation	Name	Phone Numbers (Code 0261)			Email Id
		Office	Fax	Mobile	
Collector	Mr. M.S.Patel	2652525, 2655151	2655757	9978406222	collector-sur@gujarat.gov.in
RAC	Mr. P. N. Makwana	2660011	2655757	9978405220	rdc-sur@gujarat.gov.in
Police Commissioner	Mr. Ashish Bhatiya	2244440	2241304	9988406275	kr-sur@gujarat.gov.in
D.S.P(Rural)	Mr. Mayur Chavda	2651831-33	2651834	9978405082	control-sp-sur@gujarat.gov.in
Health Department	Dr. Megha Maheta	2425751-55		9727709505	dpc.health.surat@gmail.com
DEO	Mr. U. N. Rathod	2662903	2662902	9909970218	suratdeo@gmail.com
DDO	Mr. K. Rajesh	2422160, 2425751	2412543	9978406247	ddo-sur@gujarat.gov.in
R & B Department	Mr. P. L. Patel	2464162,63,61	2472793	9427107041	
Industrial Safety & Health	Mr. G. D. Solanki	2653502	2653501	9825453845	dycif-lab-sur@ gujarat.gov.in
Disaster Mamlatdar	Mr. N. M. Solanki	2663200	2664800	9427337951	dismgmt-sur@gujarat.gov.in
Red Cross	Dr. Praful Siroya	2553653		9825034591	redcrossbhavan@gmail.com
DPO	Ms. Niranjana Hingane	2663200	2664800	9664275500	dismgmt-sur@gujarat.gov.in niranjana@gmail.com
Surat Municipal Corporation					
Municipal Commissioner	Mr. Milind Tarvane	2422244	2451935, 2422110	9724345000	commissioner@suratmunicipal.org
CFO	Mr.S.K.Acharya	2452807	2451935	9724345508	cfo@suratmunicipal.org
Project Officer	Mrs. Nital. A. Doshi	2452807	2451935	8347409137, 9426845383	nital.doshi@ymail.com

30. Surendranagar

Designation	Name	Phone Numbers (Code 02752)		
		Office	Fax	Mobile
Collector	Shri Udit Agrawal	2820200	283862	99784 06223
RAC	Shri N.A.Rajput(I/C)	285200	283862	99784 05224
SP	Shri R.V.Sandheda	282100	282815	99784 05083
CDHO	Shri S.M.Dev	283706, 285383	282383	94270 04047
DEO	Shri R.C.Patel	284710	284170	99099 70219
DPEO	Shri R.C.Patel	283099	282973	99099 71695
DDO	Shri M.I.Patel	283752	283402	99784 06248
Fire Officer, Surendranagar Nagarpalika	Shri Girish Saraiya	282858	283612	97277 78065
District Municipal Officer	Shri Girish Saraiya	282858	283612	97277 78065
Executive Engineer R&B (State)	Shree R.K.Meraja(I/C)	282251	283430	9825273911
Disaster Mamlatdar	J B Gorvadia (I/C)	283400	284300	94284 75581
DPO	Nilesh Parmar	283400	284300	9712185595

31. Tapi

Designation	Name	Phone Numbers (Code 02626)			Email Id
		Office	Fax	Mobile	
Collector	Sh. B.C. Patani	224400, 224460	221281	9978405364	collector-tapi@gujarat.gov.in
SP	Dr. M.K. Naik	222700	220100	9978405488	sp-tapi@gujarat.gov.in
DDO	Sh. N.K. Damor	222141	222142	9978405263	ddo-tapi@gujarat.gov.in
RAC	Sh. Arjunshinh B. Rathod	224450	221281	9978405415	collector-tapi@gujarat.gov.in
District Health Officer	Sh. Dr. G.B. Verma	221812, 220376, 20003	-	9099943336	cdho.health.tapi@gmail.com
DEO	Sh. Naishadh Makwana	221624	221623	9099071307	tapideo@gmail.com
Disaster Mamlatdar	Sh. K.C. Valvi	220012	221281	7567007247	collector-tapi@gujarat.gov.in mam-vyara@gujarat.gov.in

Chief Officer, Fire Station, Vyara	Sh. Mayurkumar V. Joshi	222022	221015	9726019774 9601008018	vyaranagar@yahoo.co.in
Chief Officer, Fire Station, Songadh	Sh. Mayurkumar V. Joshi	02624-221689	02624- 221001	9726019774 9601008018	npbranch_son@yahoo.co.in
Executive Engineer R & B (State)	Sh. M.N. Chaudhary	220418	220419	9687874861	rnbtapi@yahoo.com
Executive Engineer R & B Irrigation (Panchayat)	Sh. C.M. Damor	220081	-	9427597086	exepan_rnb_tapi@yahoo.in
Industrial Safety and Health Department	Sh. C.C. Vora	0261-2653502	0261- 2653501	8758340740	dycif-lab-sur@gujarat.gov.in
District Municipal Office	Sh. Mayurkumar V. Joshi (I/C)	224599	-	9726019774 9601008018	dudatapi@gmail.com
Indian Red Cross (Secretary)	Dr. Ajaybhai K. Desai	224651, 290086	224651	9099964878 7600024032	redcrosstapi@yahoo.com
DPO	Sh. Smitkumar K. Patel	223332, 224460, 224450	221281	9879551291	patel.smit1990@gmail.com

32. The Dang

Designation	Name	Phone Numbers (Code 02631)			Email Id
		Office	Fax	Mobile	
District Collector	Shree M. J. Thakkar	220201	220294	9978406208	collector-dan@gujarat.gov.in
RAC	Shree S. B. Chaudhary (I/C)	220221	220294	9978405180	rdc-dan@gujarat.gov.in
SP	Shree V.V. Chaudhary	220248	220226	9978406233	sp-dan@gujarat.gov.in
Health Department	Dr. J. S. Dulera	220344	220444	9427119204	rcho.health.dang@gmail.com
DEO	Shree J.K. Viseeya	220208	220408	9909970208	dangonedeo@gmail.com
DPEO	Shree A.K. Bhaati	220337	220444	9427638725	dpcdang@gmail.com
DDO	Shree D. S. Gadhavi	220254	220444	9978406233	ddo-dan@gujarat.gov.in
R & B Executive Engineer	Shree D.M. Gamit	220228	220476	8980207564	Rnbdan@gmail.com
Disaster Mamalatdar	Shree D. J. Chaudhary (I/C)	220347	220347	9925751572	dismgmt-dan@gujarat.gov.in
DPO	Shree Ankit R. Parmar	220346	220347	9714343111	prmrkit3@gmail.com

33. Vadodra

Designation	Name	Phone Numbers (Code 0265)			Email Id
		Office	Fax	Mobile	
Collector	Shri Lochan Sehra	2433000	2431093	9978406224	collector-vad@gujarat.gov.in
DDO	Dr. Pardhi Sourabh Zemsingh	2432027	2431078	9978406249	ddo-vad @gujarat.gov.in
RAC	Shri B. P. Sudani	2419700	2431093	9978405196	-
Police Commissioner	Shri E. Radhakrishnan	2431515	2432582	9978406290	cp-vad@gujarat.gov.in
SP	Shri Saurabh Tolambia	2412255	2432604	9978406094	sp-vad@gujarat.gov.in
Chief District Medical Officer	Dr. R.N.Mehta	2517400	2518134	8238012033	cdmo.health.jamnabai@gmail.com
Chief District Health Officer	Dr. M.T.Chhari	2432383	2431036	8980039103	dso.health.vadodara@gmail.com
DPEO	Dr. M.N.Patel	2436411	2431078	9909987576	dpeovadodara@gmail.com
DEO	Shree N.M.Mehta	2461703	2461703	9909970215	vadodeo@gmail.com
District Municipal Officer I/c	Shree J.C.Raval	2423871	2431093	9426352746	duda-vadodara@yahoo.com
R&B	Shree D.B.Patel	6554308	2410939	9824063811	execityrnbvad@yahoo.co.in
Director of Industrial Health and Safety	Shree P. M. Shah	2432543	2426848	9879093888	dycif-lab-vad@gujarat.gov.in
Mamlatdar Disaster Management I/c	Shree A.D.Vanzara	2427592	2431093	7567007627	disast-vad@gujarat.gov.in
Chairman, Red Cross	Dr. Jagdish R. Kamath	2413382	-	9099552154	support@redcrossvadodara.org
DPO	Ms. Shlesha Mistry	2427592	2431093	9925799968	disast-vad@gujarat.gov.in
Vadodara Municipal Corporation					
Municipal Commissioner	Shri H.S.Patel	2433344	2433060	7874077888	commissioner@vmc.gov.in
Chief fire Officer (I/C)	Shri Deepak P. Gunjal	2413635,2631444	2420881	9879615035	cfovadodarafire@gmail.com
Project Officer	Ms. Amy Joseph	2433116	2433060	9726011067	drmpvmc@gmail.com

34. Valsad

Designation	Name	Phone Numbers (Code 02632)			Email Id
		Office	Fax	Mobile	
Collector	Ms. Remya Mohan Muhtadath	253613	243417	9978406225	collector-valsad@gujarat.gov.in
RAC	Shree A.D.Bagul	244386	243417	9978405253	add-collector-val@gujarat.gov.in
DSP	Shree PremVeer Singh	254222	253408	9978405085	sp-val@gujarat.gov.in
CDHO	Dr. A.S.Sanghavi	253080	253829	9727782001	-
DEO	Shree M.L.Ratnu	254228	254228	9727720368	dydeo24@gmail.com
DPEO	Shree J.P.Prajapati	253210	253891	9909987577	-
DDO	Shree Gaurang Makvana	253184	253829	9978406250	ddo-val@gujarat.gov.in
Vapi Fire Officer I/c	Shree R.K.Mangela	2460100	2462300	9979015510	vapimun@yahoo.com
Valsad Fire Officer I/c	Shree B.G.Rathod	242702	242702	9925563207	np_valsad@yahoo.co.in
Pardi Fire Officer	NA	2373344			np_pardi@yahoo.co.in
Dharampur Fire Officer	Shree J.J.Rathod	242035	242707	9712054219	np_dharampur@yahoo.co.in
Umargaam Fire Officer	Shree R.V.Dubla	2564132	2564132	8347009042	np_umargam@yahoo.co.in
Executive Engineer (State)	Shree N.J.Chaudhary	244128	-	9825081851	-
Executive Engineer (Panchayat)	Shree M.J.Patel	253694	-	9662035893	-
Dy.Director(Industrial Safety & Health)	Shree D.K.Vasava	253612	253612	9825801547	sif-lab-val@gujarat.gov.in
Disaster Mamlatdar	Shree S.S.Padhavi	243238	249335	9429503796	dismgmt-val@gujarat.gov.in
DPO (GSDMA)	Shree Hitendra Rathod	243238	249335	9638372797	rathodhet208@gmail.com

IV. Important Websites

Department	Website
MHA	www.mha.nic.in
NDMA	www.ndma.gov.in
GSDMA	www.gsdma.org
GIDM	http://www.gidm.in/
NIDM	www.nidm.net
IDRN	http://idrn.gov.in
SDRN	http://117.239.205.164/SDRN_NEW/
IMD	www.imd.gov.in
ISR, Gujarat	http://dst.gujarat.gov.in/isr.htm
BISAG	http://www.bisag.gujarat.gov.in
GSWAN	http://www.gswan.gov.in

Annexure 2 Equipment

1. Equipment Provided to District Collectorates by GSDMA

S. No.	District	Portable Inflatable Emergency Lighting Systems	Life Jacket	Life Buoy	PP Ropes 26 mm		Boats		MFT	Temporary Instant Shelter	LDPE Tent	Portable Generator Set (Honda)
					100 ft.	200 ft.	FRP	Inflatable				
1	Ahmedabad	2	1800	1500	300	450	0	0	0	2500	2500	0
2	Anand	3	1750	1250	250	425	0	1	0	0	0	0
3	Kheda	3	2000	1500	300	450	0	1	0	0	0	0
4	Vadodara	2	3250	2750	550	875	0	0	0	1500	1500	0
5	Bharuch	3	2750	2250	450	675	0	6	0	0	0	0
6	Surat	2	3250	2850	400	800	0	0	0	1850	1850	0
7	* Navsari	3	1500	1100	200	250	0	0	1	0	0	0
8	Narmada	3	450	250	50	25	0	0	0	0	0	5
9	Valsad	3	2000	1600	300	450	0	0	0	0	0	0
10	Dang	3	50	50	10	5	0	0	2	0	0	2
11	Gandhinagar	3	250	250	50	25	0	0	0	0	0	5
12	Surendrenagar	3	250	250	50	25	0	0	0	0	0	0
13	Kutch	3	120	120	24	12	0	0	0	1500	1500	0
14	Junagadh	2	250	250	50	25	0	0	0	0	0	0
15	Jamnagar	2	250	250	50	25	0	0	0	0	0	0
16	Bhavnagar	2	750	250	50	25	0	0	0	0	0	0
17	Amreli	3	250	250	50	25	0	0	0	0	0	0
18	Porbandar	3	250	250	50	25	0	4	0	0	0	0
19	Mehsana	3	120	120	24	12	0	0	0	1500	1500	11
20	Sabarkantha	3	120	120	24	12	0	0	0	0	0	16

21	Banaskantha	3	250	250	50	25	0	0	0	0	0	0
22	Panchmahal	3	250	250	50	25	0	0	0	0	0	13
23	Dahod	3	250	250	50	25	0	0	0	0	0	9
24	Rajkot	2	750	250	50	25	0	0	0	1150	1150	0
25	Patan	3	120	120	24	12	0	0	0	0	0	0
26	Tapi	3	0	0	0	0	0	0	0	0	0	0
27	Morbi	3	0	0	0	0	0	0	0	0	0	0
28	Dev Bhomi Dwarka	3	0	0	0	0	0	2	0	0	0	0
29	Gir Somnath	3	0	0	0	0	0	0	0	0	0	0
30	Aravali	3	0	0	0	0	0	0	0	0	0	0
31	Chota Udaipur	3	0	0	0	0	0	0	0	0	0	0
32	Botad	3	0	0	0	0	0	0	0	0	0	0
33	Mahisagar	3	0	0	0	0	0	0	0	0	0	0
* A Mini Fire Tender has been provided to Vansada Gram Panchayat of Navsari District on 06/02/2014												

2. Equipment Provided to Municipal Corporations by GSDMA

Equipment	Ahmedabad	Vadodara	Surat	Rajkot	Jamanagar	Bhavnagar	Junagadh	Gandhinagar
Portable Inflatable Emergency Lighting Systems	5	5	7	5	7	7	5	2
Motorcycle Mounted Water Mist	4	2	2	3	3	1	3	3
Trolley Mounted Water Mist	5	5	5	5	5	5	2	3
Water Bowser	1	1	1	1	1	1	1	1
Mini Fire Tender	0	0	0	1	1	1	1	0
Life Jacket	250	250	250	250	120	120	50	0

Life Buoy	250	250	250	250	120	120	50	0
PP Rope (100 ft)	50	50	150	50	24	24	10	0
PP Rope (200 ft)	25	25	75	25	12	12	5	0
FRP Boat	9	7	7	2	2	1	1	0
Inflatable/Rubber Boat	6	10	11	9	1	2	1	1
Under Water Search Camera	1	1	1	1	1	0	1	0
Under Water Breathing Apparatus	12	0	0	0	0	0	0	6
Rapid Response Vehicle	1	0	0	0	0	0	0	0
Resent skid/ trailer	2	0	0	0	0	0	0	0

3. List of Search & Rescue Equipment Provided to Emergency Response Centres (ERCs) by GSDMA

S. No.	Equipment	* Gandhinagar	Gandhidham	Rajkot	Surat	Vadodara
Vehicle						
1	Multi Functional vehicle with Crane	2	1	1	1	2
2	High capacity pump	4	2	2	5	4
3	Water Tanker	4	2	2	4	4
4	Foam Nurser	2	1	1	2	2
5	Emergency Rescue vehicle	3	3	2	3	2
6	Water Transport Unit	0	1	1	0	0
7	Pickup Truck	1	1	2	2	1
8	Command Vehicle	1	1	2	1	1
Container						
1	USAR Container	1	2	2	1	2
2	Medical Mass Casualty container	1	1	1	1	1
3	Hook Arm Truck	2	2	2	2	2
Equipment						
1	Self Contained Clean Air Breathing Apparatus	5	4	4	5	6

2	Personal Protection Suit	15	12	12	12	12
3	Spare Cylinders	1	0	1	1	1
4	Airline Equipment	1	0	1	1	1
5	Positive Pressure Ventilator	1	0	1	1	1
6	Gas Tight Suits	7	5	5	7	9
7	Inflatable Decontamination System	1	0	1	1	1
8	Leak Sealing Equipment	2	2	2	2	2
9	Non Sparking tools	1	1	1	1	1
10	Multi Gas Detector	2	1	1	1	2
11	Emergency Lighting System	4	2	3	3	2
12	Under Water Search Camera	1	0	1	1	1

* Vehicles/equipment for Gandhinagar ERC has been handed over to Ahmedabad Fire & Emergency Services, Ahmedabad Municipal Corporation, Ahmedabad

4. List of Fire Fighting Equipment provided to Municipalities by GSDMA

Municipality	Portable Inflatable Emergency Lighting Systems	Motor-cycled mounted Water mist	Trolley Mounted Water Mist	Water Bowser	Mini Fire Tender	FRP Boat
Bareja	1	0	0	0	1	0
Barvala	1	0	0	1	2	0
Bavla	1	1	0	1	1	0
Dhandhuka	1	1	0	2	1	0
Dholka	1	1	0	2	1	0
Sanand	1	1	0	2	1	0
Viramgam	1	1	0	2	1	0
Amreli	2	1	0	2	1	1
Babra	2	0	0	0	1	0
Bagsara	2	1	0	1	1	0
Chalala	2	0	0	0	1	0
Damnagar	2	0	0	0	0	0
Jafrabad	2	1	0	1	1	0
Lathi	2	0	0	1	1	0
Rajula	2	1	0	1	1	0
Savarkunda	2	1	0	1	1	0
Aaklav	2	0	0	0	0	0
Anand	2	3	2	1	1	1
Boriyavi	2	0	0	0	0	0
Borsad	2	1	0	1	1	0
Karamsad	2	1	0	1	0	0
Khambhat	2	1	0	1	1	0
Oad	2	0	0	0	0	0
Petlad	2	1	0	1	1	0
Sojitra	2	0	0	1	1	0
Umreth	2	1	0	1	1	0
Vallabh-vidhyanagar	2	1	0	1	1	0
Bhadhar	1	0	0	0	1	0
Deesa	1	1	0	1	1	0
Dhanera	1	0	0	1	1	0
Palanpur	1	3	2	1	1	0
Thara	1	0	0	0	0	0
Tharad	1	0	0	1	1	0
Amod	2	0	0	0	1	0
Ankhleshwar	2	1	0	1	1	0
Bharuch	2	3	2	2	2	2

Jambusar	2	1	0	1	1	0
Botad	2	3	2	2	2	0
Gadhda	2	1	0	1	1	0
Gariyadhar	2	1	0	1	1	0
Mahuva	2	1	0	1	1	0
Palitana	2	1	0	1	1	0
Sihor	2	1	0	1	1	0
Talaja	2	1	0	1	1	0
Vallabhipur	2	0	0	1	0	0
Dahod	1	1	0	1	1	0
Devgarh Baria	1	0	0	1	0	0
Jhalod	1	1	0	1	1	0
Dehgam	1	1	0	1	1	0
Kalol	1	3	2	2	1	0
Mansa	1	1	0	1	1	0
Pethapur	1	0	0	0	0	0
Bhanvad	2	0	0	1	1	0
Dhrola	2	0	0	1	1	0
Dwarka	2	1	0	1	1	0
Jamjodhpur	2	0	0	1	1	0
Jam-rawal	2	0	0	1	0	0
Kalavad	2	0	0	1	1	0
Khambadia	2	1	0	1	1	0
Okha	2	1	0	1	1	0
Salaya	2	1	0	1	1	0
Sikka	2	0	0	0	1	0
Batava	2	0	0	0	1	0
Chorwad	2	0	0	0	1	0
Keshod	2	1	0	1	1	0
Kodinar	2	1	0	1	1	0
Manavadar	2	1	0	1	1	0
Mangrol	2	1	0	1	1	0
Sutrapada	2	0	0	0	1	0
Talala	2	0	0	0	0	0
Una	2	1	0	1	0	0
Vanthali	2	0	0	0	0	0
Veraval	2	3	2	2	1	0
Visavadar	2	0	0	0	0	0
Balasinor	1	1	0	1	1	0
Chaklasi	1	1	0	0	0	0
Dakor	1	0	0	1	1	0

Kanjari	1	0	0	0	0	0
Kapadvanj	1	1	0	1	1	0
Kathlal	1	0	0	0	0	0
Kheda	1	0	0	1	1	0
Mahudha	1	0	0	0	0	0
Mehmdabad	1	1	0	0	2	0
Nadiad	1	3	2	3	2	2
Thasra	1	0	0	0	0	0
Anjar	2	1	0	1	1	0
Bhachau	2	0	0	1	1	0
Bhuj	2	1	0	2	2	0
Gandhidham	2	3	2	1	2	0
Mandvi	2	1	0	1	1	0
Rapar	2	0	0	1	1	0
Kadi	1	1	0	3	3	0
Kheralu	1	0	0	0	0	0
Mehsana	1	3	2	2	1	1
Unjha	1	1	0	1	1	0
Vadhnagar	1	1	0	1	1	0
Vijapur	1	0	0	0	1	0
Visnagar	1	1	0	1	1	0
Rajpipla	2	1	0	2	1	0
Bilimora	2	1	0	2	1	0
Gandevi	2	0	0	1	1	0
Navsari	2	3	2	2	2	1
Vijalpore	2	1	0	0	1	0
Godhra	1	3	2	2	1	2
Halol	1	1	0	1	1	0
Kalol	1	0	0	1	1	0
Lunawada	2	1	0	1	1	0
Sahera	2	0	0	0	0	0
Santrampur	2	1	0	1	1	0
Chansama	1	0	0	1	1	0
Harij	1	0	0	0	1	0
Patan	1	3	2	2	2	1
Radhapur	1	1	0	1	1	0
Siddhpur	1	1	0	1	1	0
Chhaya	2	1	0	0	1	0
Kotiyana	2	0	0	1	1	0
Porbandar	2	3	2	2	1	1
Ranavav	2	0	0	1	1	0

Bhayavadar	2	0	0	0	0	0
Dhoraji	1	1	0	1	1	0
Gondal	1	1	0	1	1	0
Jasdan	1	1	0	1	1	0
Jetpur	1	3	2	2	1	0
Madiya Miyana	2	0	0	0	1	0
Morbi	2	3	2	2	2	0
Upleta	2	1	0	2	1	0
Wankaner	1	1	0	2	1	0
Bayad	1	0	0	0	1	0
Himmatnagar	1	1	0	2	1	1
Idar	1	1	0	2	1	0
Khedbrahma	1	1	0	1	1	0
Modasa	1	1	0	1	1	0
Prantij	1	0	0	1	1	0
Talod	1	0	0	0	1	0
Vadali	1	0	0	0	1	0
Bardoli	2	1	0	1	1	0
Kansad	2	0	0	0	0	0
Mandvi	2	0	0	1	1	0
Tarsadi	2	0	0	0	1	0
Chotila	2	0	0	0	1	0
Dhangadra	2	1	0	1	1	0
Hadvad	2	0	0	0	1	0
Limbdi	2	1	0	1	1	0
Patdi	2	0	0	0	1	0
Surendranagar	2	3	2	2	1	0
Thangadh	2	1	0	1	1	0
Vadhwan	2	1	0	1	0	0
Songarh	2	0	0	1	1	0
Vyara	2	1	0	2	1	0
Chota Udaipur	2	0	0	1	1	0
Dabhoi	2	1	0	1	1	0
Karjan	2	1	0	1	1	0
Padra	2	1	0	1	1	0
Savli	2	0	0	1	0	0
Dharampur	2	0	0	1	1	0
Pardi	2	1	0	1	1	0
Umargam	2	0	0	1	0	0
Valsad	2	3	2	1	1	2
Vapi	2	3	2	2	2	0

5. Satellite Phone Numbers - EOCs

S. No	Name	SIMCard Serial Number	Tel	Data
1	DoR	SEOC	89881 69214 00053 1170	881621467711
2	Collector	Ahmedabad	89881 69214 00053 1279	881621467717
3	Collector	Amreli	89881 69214 00053 1303	881621467719
4	Collector	Anand	89881 69414 00058 4183	881641465669
5	Collector	Banaskantha	89881 69414 00058 4126	881641465662
6	Collector	Bharuch	89881 69414 00058 4266	881641465660
7	Collector	Bhavnagar	89881 69214 00053 1162	881621467713
8	Collector	Dahod	89881 69414 00058 4126	881621466137
9	Collector	Dang	89881 69414 00058 4258	881641465659
10	Collector	Gandhinagar	89881 69414 00058 4175	881641465668
11	Collector	Jamnagar	89881 69414 00058 4209	881641465653
12	Collector	Junagadh	89881 69214 00053 1196	881621457712
13	Collector	Kheda	89881 69414 00058 4191	881641465670
14	Collector	Kutchch	89881 69214 00053 1246	881621467718
15	Collector	Mehsana	89881 69414 00058 4225	881641465655
16	Collector	Navsari	89881 69414 00058 4159	881641465665
17	Collector	Narmada	89881 69414 00058 4134	881641465663
18	Collector	Panchmahal	89881 69414 00058 4241	881641465657
19	Collector	Patan	89881 69414 00058 4233	881641465656
20	Collector	Porbandar	89881 69414 00058 4142	881641465664
21	Collector	Rajkot	89881 69414 00058 4274	881641465652
22	Collector	Sabarkantha	89881 69414 00058 4217	881641465654
23	Collector	Surat	89881 69414 00058 4118	881641465661
24	Collector	Surendranagar	89881 69414 00058 4167	881641465666
25	Collector	Vadodara	89881 69214 00053 1295	881621467716
26	Collector	Valsad	89881 69214 00053 1261	881621467714

6. Details of Inmarsat Telephones Installed

At State Head Quarter and Various Collectors in Gujarat State

S. No.	Name of Holder for Satellite Phone	Equipment. No.	Alloted ID	Available Service
1	Hon'ble Chief Minister	76 EB 51F0BD54	762483313 762483314 762483315 762483316	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
2	Chief Secretary	76 EB 518AD122	762483334 762483335 762483336 762483337	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
3	Principal Secretary (R.D)	76 EB 51E77AIE	762483390 762483391 762483392 762483393	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)

4	Commissioner of Relief	76 EB 51BD8C7E	762483394 762483395 762483396 762483397	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
5	Secretary I.T.	76 EB 5102 BE BE	762483273 762483274 762483275 762483276	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
6	Collector, Ahmedabad	76 EB 51504BA8	762443295 762443296 762443297 762443298	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
7	Collector, Amreli	76 EB 51CA02D1	762443330 762443331 762443332 762443333	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
8	Collector, Anand	76 EB 5115F062	762483299 762483310 762483311 762483312	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
9	Collector, Baroda	76 EB 51A7F0F4F	762483342 762483343 762483344 762483345	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
10	Collector, Bharuch	76 EB 5133B81D	762483420 762483421 762483422 762483423	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
11	Collector, Bhavnagar	76 EB 517BA494	762483338 762483339 762483340 762483341	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
12	Collector, Dahod	76 EB 51COA339	762483366 762483367 762483368 762483369	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
13	Collector, Dangs	76 EB 515B88C4	762483346 762483347 762483348 762483349	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
14	Collector, Gandhinagar	76 EB 5177C999	762483362 762483363 762483364 762483365	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)

15	Collector, Jamnagar	76 EB 5194EF03	762483374 762483375 762483376 762483377	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
16	Collector, Junagadh	76 EB 51AO1AEB	762483412 762483413 762483414 762483415	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
17	Collector, Kheda	76 EB 51201 00D	762483269 762483270 762483271 762483272	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
18	Collector, Kutch	76 EB 51D62127	762483354 762483355 762483356 762483357	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
19	Collector, Mehsana	76 EB 51C6395B	762483350 762483351 762483352 762483353	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
20	Collector, Navsari	76 EB 51EE2609	762483358 762483359 762483360 762483361	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
21	Collector, Banaskantha	76 EB 51C4FB7C	762483317 762483318 762483319 762483320	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
22	Collector, Panchmahals	76 EB 51D6127C	762483324 762483325 762483326 762483327	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
23	Collector, Patan	76 EB 5177C999	762483292 762483293 762483294 762483321	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
24	Collector, Porbandar	76 EB 5132A643	762483378 762483379 762483380 762483381	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
25	Collector, Rajkot	76 EB 519CE394	762483382 762483383 762483384 762483385	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)

26	Collector, Narmada	76 EB 51F31DE9	762483398 762483399 762483410 762483411	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
27	Collector, Sabarkantha	76 EB 51570936	762483370 762483371 762483372 762483373	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
28	Collector, Surat	76 EB 5113266E	762483428 762483429 762483430 762483431	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
29	Collector, Surendranagar	76 EB 5116A163	762483386 762483387 762483388 762483389	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)
30	Collector, Valsad	76 EB 51FD60B4	762483416 762483417 762483418 762483419	VOICE (SAT.NO.) FAX DATA VOICE (EXT.NO.)

Annexure 3
Composition of State Crisis Group

Designation	Designation in State Crisis Group
Chief Secretary	Chairperson
Secretary (Labour)	Member Secretary
Secretary (Environment)	Member
Secretary (Health)	Member
Secretary (Industries)	Member
Secretary (Public Health Engg.)	Member
Chairman, State Pollution Control Board	Member
4-Experts (Industrial Safety & Health) to be nominated by the State Government	Member
Secretary/Commissioner(Transport)	Member
Director (Industrial Safety)/ Chief Inspector of Factories	Member
Fire Chief	Member
Commissioner of Police	Member
One Representative from the Industry to be nominated by the State Govt.	Member

Annexure 4
Composition of District Crisis Group

Designation	Designation in District Crisis Group
District Collector	Chair person
Inspector of Factories	Member-Secretary
District Emergency Officer	Member
Chief Fire Officer	Member
District Information Officer	Member
Controller of Explosives	Member
Chief, Civil defense	Member
One Representative of Trade Unions	Member (to be nominated by the District Collector)
Deputy Superintendent of Police	Member
District Health Officer/Chief Medical Officer	Member
Commissioner, Municipal Corporations	Member
One Representative of Industry	Member (to be nominated by the District Collector)
Representative of the Department of Public Health Engineering	Member
Representative of Pollution Control Board	Member
District Agriculture Officer	Member
4 Experts (Industrial Safety & Health) to be nominated by the District Collector.	Member
Commissioner (Transport)	Member
Chair-person/Member-Secretary of Local Crisis Groups	Member

Annexure 5 Composition of Local Crisis Group

Designation	Designation in Local Crisis Group
Sub-Divisional Magistrate/ District Emergency Authority	Chairperson
Inspector of Factories	Member-secretary
Industries in the District/ Industrial area/industrial pocket	Member
Transporters of Hazardous Chemicals (2 Numbers)	Member
Fire Officer	Member
Station House Officer (Police)	Member
Block Development Officer	Member
One Representative of Civil Defense	Member
Primary Health Officer	Member
Editor of local Newspaper	Member
Community leader/Sarpanch/ Village Pradhan nominated by Chair-person	Member
One Representative of Non-Government Organisation to be nominated by the Chair-person	Member
Two Doctors eminent in the Local area, to be nominated by the chair-person	Member
Two Social Workers to be nominated by the Chair- person	Member

Annexure 6

List of Codes/Guidelines for Safety of Building/Structures

As these codes and guidelines are being updated from time to time by different Institutions/organizations therefore the latest updated version shall be referred at the time of conceiving a project. List has been attempted which may not be complete.

I. General Structural Safety

1. BIS National Building Code 2005
2. IS: 456:2000 "Code of Practice for Plain and Reinforced Concrete
3. IS: 800-1984 "Code of Practice for General construction in Steel
4. IS: 801-1975 "Code of Practice for Use of Cold Formed Light Gauge Steel Structural Members in General Building Construction
5. IS 875 (Part 2) : 1987 Design Loads (other than earthquake) for buildings and structures part 2 Imposed Loads
6. IS 875 (Part 4) : 1987 Design Loads (other than earthquake) for buildings and structures part 4 Snow Loads
7. IS 875 (Part 5) : 1987 Design Loads (other than earthquake) for buildings and structures part 5 special load and load combination
8. IS: 883:1966 "Code of Practice for Design of Structural Timber in Buildings
9. IS: 1904:1987 "Code of Practice for Structural Safety of Buildings: Foundation's
10. IS:1905:1987 "Code of Practice for Structural Safety of Buildings: Masonry Walls
11. IS 2911 (Part 1): Section 1: 1979 "Code of Practice for Design and Construction of Pile Foundation Section 1
Part 1: Section 2 Based Cast-in-situ Piles
Part 1: Section 3 Driven Precast Concrete Piles
Part 1: Section 4 Based precast Concrete Piles
Part 2: Timber Piles
Part 3: Under Reamed Piles
Part 4: Load Test on Piles

II. Protection from Cyclones / Wind Storms

1. IS 875 (3) -1987 "Code of Practice for Design Loads (Other than Earthquake) for Buildings and Structures, Part 3, Wind Loads"
2. IS: 15498 - 2004 "Guidelines for construction of cyclone shelters."
3. IS: 15498 - 2004 "Guidelines for improving the cyclonic resistance of low rise houses & other building/structures.
4. Guidelines (Based on IS 875 (3)-1987) for improving the Cyclone Resistance of Low rise houses and other building.

III. Earthquake Protection

1. IS: 1893-2002 "Criteria for Earthquake Resistant Design of Structures (Fifth Revision)"
2. IS: 13920-1993 "Ductile Detailing of Reinforced Concrete Structures subjected to Seismic Forces - Code Practice"
3. IS:4326-1993 "Earthquake Resistant Design and Construction of Buildings - Code of Practice (Second Revision)"

4. IS:13828-1993 "Improving Earthquake Resistance of Low Strength Masonry Buildings - Guidelines"
5. IS:13827-1993 "Improving Earthquake Resistance of Earthen Buildings -Guidelines"
6. IS:13935-1993 "Repair and Seismic Strengthening of Buildings - Guidelines"

IV. Flood Management / River Valley Projects

1. IS: 4189-1985 "Guide for preparation of project report for river valley projects."
2. IS: 4410 (Part 3): 1988 "Glossary of terms relating to river valley project part 3 River and river training."
3. IS: 4410 (Part 11): Sec 5-1977 "Glossary of terms relation to river valley projects: Part 11 Hydrology Section 5 Floods."
4. IS: 4410 (Part 21): 1987 "Glossary of terms relating to river valley projects: Part 21 Flood control."
5. IS:11532-1995 "Construction and maintenance of river embankments (levees) - Guidelines"
6. IS: 12094 - 2000 "Guidelines for planning and Design of River Embankments (Levees)"
7. IS: 14262 - 1995 "Planning and design of revetments - Guidelines".
8. IS: 5477 (Part 4) : 1971 "Methods for Fixing the capacities or reservoirs: part 4 Flood storage"
9. IS: 7323 - 1994 "Operation of Reservoirs - Guidelines".
10. IS: 8408 - 1994 "Planning and design of groynes in alluvial river - Guidelines".
11. IS: 14815 - 2000 "Design Flood for River Diversion Works - Guidelines".

V. Landslide Hazard

1. IS: 14458 (Part 1): 1998 Guidelines for retaining wall for hill area: Part 1 Selection of type of wall.
2. IS: 14458 (Part 2): 1997 Guidelines for retaining wall for hill area: Part 2 Design of retaining? Breast walls.
3. IS: 14458 (Part 3): 1998 Guidelines for retaining wall for hill area: Part 3 Construction of dry stone walls.
4. IS: 14496 (Part 2): 1998 Guidelines for preparation of landslide - Hazard Zonation maps in mountainous terrains: Part 2 Macro-Zonation.
5. IS: 14680: 1999 Guidelines for land slide control.
6. IS: 14948: Code of practice for Reinforcement of Rock Slopes with plain edge of failure
7. BIS 12023: Code of practice for Field Monitoring and Movement of Structures using Tape Extensometer.
8. BIS: 14804: Guidelines for Sitting, Designing and selection of materials for Residential Building in Hilly Areas.

VI. For Protection of Saline Embankments and Coastal Canals

1. IS: 8835 - 1978 "Feasibility study and preparation of preliminary project report".
2. IS: 10635 - 1993 (reaffirmed 2003) "Freeboard requirements in embankments and dams".
3. IS: 12169 - 1987 - "Criteria for design of small embankment dams."
4. IS: 8835- 1978: Feasibility study, preparation of
5. IS: 12094 - 1978: Preliminary Project Report
6. IS: 10635 - 1993 (reaffirmed 2003): Freeboard requirements in embankments in embankments and dams.

7. IS: 11532 - 1995 (reaffirmed 2005): Construction and maintenance of river embankments
8. IS: 12094 - 2000 (reaffirmed 2005): Planning and design of river embankment
9. IS: 12169 - 1987: Criteria for design of small embankments dams.

VII. Railway Codes & Manuals - RDSO Publications

1. RBF - 20: "Estimation of design discharge based on regional flood frequency approach for sub-zones 3(a), 3(b), 3(c), 3(e)".
2. RBF - 22: "50 year 24 hour set of is pluviat maps of India maps of short duration ratios".
3. RBF - 23: "Validation of flood estimation report No.UTN-7-1983 for sub-zone-3 (f)".
4. RBF - 24: "Validation of flood estimation report No.3/1980 for sub-zone-3 (f)".
5. RBF - 25: "Estimation of design discharge based on regional flood frequency approach for sub-zone-3 (f)".
6. RBF - 26: "Validation of flood estimation report No.UGP-9-1984 for sub-zone-1 (e)".
7. RBF - 27: "Validation of design discharge based on regional flood frequency approach for sub-zone-3 (e)".
8. RBF - 28: "Estimation of design discharge based on regional flood frequency approach for sub-zone-3 (i)".
9. RBF - 29: "Estimation of design discharge based on regional flood frequency approach of sub-zone-3 (b)".
10. RBF - 32: "Validation of flood estimation report no.c/16/1988 subzone - 1 (b) (chambal basin)".
11. RBF - 33: "Estimation of design discharge based on regional flood frequency approach for sub-zone-1 (d) (sone basin)".
12. RBF - 34: "Validation of flood estimation report no.S/15/1987 sub-zone-1 (d) (sone basin)".
13. GE - 1: "Guidelines - Erosion control on slopes of banks and cuttings".
GE - 6: "Guidelines for earthwork in conversion projects".

VIII. Indian Road Congress (IRC) Codes/Manuals

1. IRC: 5 -1998 (Seventh Revision) - "Standard specifications and codes of practice for Road, Bridges Section 1 - General features of Design".
2. IRC: 10-1961 - "Recommended Practice for Borrow pits for Road Embankments constructed by Manual Operation".
3. IRC: 34-1970 - "Recommendations for Road Construction in Waterlogged Area".
4. IRC: 36-1970 - "Recommendations Practice for the construction of Earth Embankments for Road Works".
5. IRC: 45-1972 - "Recommendations for Estimating the Resistance of Soil Below the Maximum Scour Level in the Design of well foundations of Bridges".
6. IRC: 52-2001 (Second Revision) - "Recommendations about the Alignment Survey and Geometric Design of Hill Roads."
7. IRC: 56-1974 - "Recommendations Practice for treatment of Embankment Slopes for Erosion Control."
8. IRC: 75-1979 - "Guidelines for the Design of High Embankments."
9. IRC: 78-2000 (Second Revision) - "Standard specifications and Code of practice for road, bridges, section VII - Foundations and substructure.
10. IRC: 89-1997 (First Revision) - "Guidelines for Design and Construction of River Training and Control Works for Road Bridges".
11. IRC: 104-1988 - "Guidelines for Environmental Impact Assessment of Highway Projects".

12. IRC: SP: 13-2004 (First Revision) - "Guidelines for the Design of Small Bridges and Culverts."
13. IRC: SP: 35-1990 - "Guidelines for Inspection and Maintenance of Bridges".
14. IRC: SP: 42-1994 - "Guidelines on Road Drainage".
15. IRC: SP: 50-1999 - "Guidelines of Urban Drainage".
16. IRC: SP: 54 -2000 - " Project preparation Manual for Bridges".
17. IRC: 6 - 2000 - "Standard specifications and code of practice for road bridges - section II Loads & Stresses".
18. IRC: SP: 57 -2001 - "Guidelines for quality systems for road construction."
19. IRC: 28 - 1967 - "Recommendation of road construction in water logged areas".
20. IRC: SP: 26 1984 - "Project preparation manual for bridges".
21. IRC: 87 - 1984 - "Guidelines for design and erection."
22. IRC: 21 - 2000 - "Standard specification and codes for roads and bridges."
23. IRC: SP: 20 - 2002 - "Rural Roads."
24. MORT & H Pocket Book for Highway Engineers, 2002 (Second Revision)
25. IRC: SP33: 1989 Guidelines on supplemental Measures for Design, Detailing & Durability of Important Bridge Structures.

Annexure 7

Check List for Natural Disaster Impact Assessment

Name of the Project:

State:

District:

Project Estimate Rs. _____ (Lacs)

1. Sitting of the Project

1.1 Location of Project site

- Latitude
- Longitude
- Height above mean sea level

1.2 Earthquake Zone (Any known geological fault nearby may be listed)

1.3 Flood proneness & Vulnerability:

- Past history of floods the area
- Observed Highest flood level
- Frequency of flooding
- Depth of flooding
- Duration of flooding
- Damage/loss (maximum, average, potential)

1.4 Cyclone Proneness (If close to sea coast) & Vulnerability:

- Frequency and Intensity
- Wind speed zone - information on highest wind speed
- Distance of site from sea coast
- Record of past storm surge

1.5 Landslide Proneness & Vulnerability:

- Location of Hill slope vis-a-vis the project's location
- Past history of landslides,
- Possibility of mud flows/rock falls/snow avalanches etc.

1.6 Tsunami proneness (If close to sea coast) & Vulnerability:

- Past history

1.7 Existence of Dams or Barrages upstream

- Distance from the project. Was dam breach effect considered on the project?
- If so, have the dam break analyses been carried out? Has their impact on safety of the project been evaluated?

2. Natural / Type of Project

2.1 All the projects of the natural/type mentioned below are liable to damage by natural disasters and inadequacies of design or any of their components is likely to accentuate the vulnerability of the area to the disasters and / or lead to rise in damage/loss to lives, property, livelihood systems environment,

- Communications: towers, lines, building
- Transportation: Roads, Railways, Bridges, Tunnels
- Power: Power houses, sub stations, power lines
- Water Resources: Dams, barrages, appurtenant structures, river training structures, Canals
- Habitations: townships- planning from the point of view of safety against hazards
- Water supply and sanitation projects including water supply and sewer lines
- Ports & Harbors
- Building projects
- Any other

3. Hazards Risk to the Project

Have the following been evaluated:

- Probable maximum seismicity at site and site dependant seismic design parameters
- Probable Maximum storm surge
- Probable Maximum wind speed
- Probable Maximum precipitation
- Probable maximum flood discharge and level
- Probability of occurrence of floods, earthquakes, landslides, mud flows, avalanches, cyclones, tsunamis
- Soil liquefaction proneness under probable earthquake intensities

4. Mitigation / Reduction of Risk:

4.1 There are specific codes, manuals, guidelines etc. developed by Bureau of Indian Standards, NDMA and concerned organizations for sitting, design, construction and maintenance of various types of infrastructures, Indicative and not exhaustive list of some of them is at Annex-2.

4.2 Have the relevant BIS codes and guidelines been complied with?

4.3 Have adequate safeguards to meet the risks of natural hazards as evaluated at Para 3 above, been adopted?

5. Impact of the project on the Environs and the People

Has the impact of the environment and the people been studied with the respect to the following and what mitigation measures have been adopted? An illustrative but not exhaustive list of scenarios is given below:

- 5.1 The earthquakes and landslides may damage the pipelines to transport and storages to store harmful and inflammable materials and gases in the project area. Has any study been made to assess the danger to the environment and the people posed by those occurrences? And if so what measures have been proposed?
- 5.2 The railway lines and roads run across the drainage lines and if adequate waterways at appropriate locations are not provided, it may result in rise in water level and drainage congestion in up-stream areas. Has this aspect been studied and if so, what mitigation measures have been proposed?
- 5.3 Land-slides triggered by earthquakes as well as due to inherent instability of slopes accentuated by rains, may lead to blockage of drainage channels and accumulation of water up-stream. These blockages may collapse due to their inherent instability or aided by rains. Men, machines and explosives can also be used to remove blockage and reduce flooding upstream. These lead to sudden release of water and flooding and erosion in down-stream areas. It may be stated whether any study has been carried out in this regard and what mitigation measures have been proposed?
- 5.4 As all the projects involve acquisition of land and influx of large number of people in the area to take up construction activities, it may result in deforestation and soil erosion. Measures for prevention of deforestation and arresting soil erosion are required to be taken. It may be stated whether any study has been carried out in this regard and what mitigation measures have been proposed?
- 5.5 If the project involves storage of water, failure of any component may cause flooding and large scale damage to lives, property and infrastructure etc. Please state whether any study has been made and if there is a possibility thereof, what measures have been proposed to meet the eventuality?

Annexure 8
List of Prominent NGOs' of Gujarat State

Name of Organization	Name of President & Address	Phone & Fax No
Kachhi Jain Samaj	Dr. Chandralant Dedia 43-44, Basant Mitra mandal Opp, Navchetan High School, Ellishbridge, Ahmedabad.	26577468 26578890
Vishwa Gujarati Samaj	Krushnakant Vakharia Maniprabhu Appt. Navrangpura, Ahmedabad.	26442216
Janvikas	Sukhdev Patel 105, Royal Chimny Tower Vastrapur, Ahmedabad.	26856685 26854248
Akshram Purshottam Swami Narayan Sanstha	Brahm Vihari Swamiji Swaminarayan Mandir, Shahibaug. Ahmedabad.	25621247
Swami Narayan Mandir	Mahant Swamiji, Kalupur Swaminarayan mandir,	22133835 22132170, 22136818
Sankat Nivaran Society	Gopaldas Patel P.O.Box. No. 4045, Natraj Cienma, Ahmedabad.	26581710 Fax- 26587992
Sewa Bharti	Vallabhbbhai Saveria Balia Kala Marg, Kankaria, Ahmedabad.	25326131 Fax- 25397878 25328500
Maninagar Swaminarayan Gadi Santha	Purshottam Dasji Maharaj Maninagar Swaminarayan Temple, Maninagar, Ahmedabad	25648029 Fax- 25468029 Fax- 25465757
Sadvichar Parivar	Haribhai Panchal Mangal Murti Complex, Ashram Road, Ahmedabad.	26585260 26585290 26860197 26861055 Fax- 27602079
Devlopment Support Center	Anilbhai Shah 2, Prakruti Appt, Commerce College Road, Navrangpura, Ahmedabad.	26469618 Fax- 26421892
Rajasthan Seva Samiti	Gulabchandbhai Near Aksharpurshottam Temple Shahibaug, Ahmedabad.	25624675 25626412
Islamic Relief Commitee	Mohmmad Safi Madani. Gujarat Dawat Manjil, Kumbhar Gali, Kalupur, Ahmedabad	22131507 26820828
Manav Parivar	Hirenbbhai Patel !8, Ravpura, Nr.Vijay Resturant Navrangpura, Ahmedabad.	27911228 27911283

Samarth Trust	Gazala paul T/74, Century Appt. Sarkhej Road, Ambawadi, Ahmedabad.	
Sarvshvala Charitable Trust	Tara Sareshwal D/6, Shalimar Complex, Mahalaxmi Paladi, Ahmedabad.	26631231 Fax- 26634958
Kutch Yuvak Sangh	Deepak Patel 1/22, Stone Castle, Vallabh Nagar, Borivali, Mumbai,	022- 24228326 Fax- 24227873
Kutch Vikas Trust	Rafil Kunth RadhanPur, P.O.Box.No.14 Bhuj, Kutch	
Kutch Navnirman Abhiyan	Shushma Ayanger 47, Kalashree, Kalpataru Building, Vijay Nagar, Ahmedabad.	02832- 2223448
Jamat Ulma-I-Hind	Maulana Madani 1, Bhadur Shah Jafar Marg, New Delhi	011- 23311455 Fax- 23316173
Helpage India	Ahoka Ravat Samarpan Vidhyapith Campus Satellite Road, Ahmedabad.	
Globe Source Net	Rt Buckley Gandhidham	02836-221525 Fax- 234702
Central Chimney Mission	Nalin Bhatia Shaki Vihar Road, Powai, Mumbai	022- 28572367 Fax- 28573065
Catholic Relief Services	Bhavna Patel Kutch Vikas Trust, Radhanpur, Kutchh.	02832-274252 Fax- 274252
CASA	RSR Selwine 21, YMCA Road, Methodist Center, Mumbai Central.	022-23085400
Heritage India	Arockiam, CBCJ Center, Ashok Palace, New Delhi.	011- 03363390 Fax- 23715146
Baldevbhai Dosabhai Charitable Trust	Bachubhai Patel 9th Floor, B.D.Patel House, Naranpura, Ahmedabad.	27494462 Fax- 27471513 27494462/63
Disha	Vimlaben Kharadi 9,mangaldip Complex, Opp, Blish Auto, Near Gandhi Ashram, Ashram Road, Ahmedabad.	27559842 27553071 Fax- 27560060
Ahmedabad Study Action Group Ahmedabad.	Kirtibhai Shah 5th Floor, Kashmira House, B/h Popular House, Navrangpura.	26589093 Fax- 26589094
Ghadhatar	Prasanth Raqal Backo-Desai's Khancho,	02757-227836

	Nr, Apsara Hotel, Mani Bazar, Surendranagar.	
Ghadhatar	Sukhdev Patel 17, Bharatkunj Society Ellishbridge, Ahmedabad.	26466157 Fax- 26407558
Cohesion Foundation	Sejal Appt.B/h Navneet House Gurukul Road, Ahmedabad.	27450171 Fax- 27435888
Cohesion Foundation	C/17, Ushakiran, Dr, Yagnik Road, Ahmedabad.	
Gram Vikas Trust	D.S.Kher Shree Viramba Ashaba Chatralay, Near, S.T. Stop, Dwarka	02892- 234309
Marag	Nitaben Pandya Chaminda Roadm Vandana Guest House, Surendranagar.	02751-250295
Sava	Bhimsingh Ahire A/2, Parivar App, Sundaram Park, Air Force Road. Jamnagar	0288-2566793
Anandi	Sumitaben Thakkar. Akshrdeep App, University Road, Rajkot	0281- 2587263 Fax – 2589671
Samaj Trust	Karshan Bharwad Post Litha, Viramgam, Ahmedabad.	02715-2234077
Utthan	Plot No. 10/B, Nutan Bharti Soc, Dhodha Road, Bhavnagar.	0278-223087
Gram Kendr Sewa Kendra	Madhupura R Vegda. Vankar Sheri, Shahpur Darwaja Mangrol, Junagadh.	08278-223087
Paryavaraniya Vikas Kendra.	Tushar Pancholi D/9, Ajanta Park Flats, University Road, Rajkot	0281-2581944
Vikas Center For Development	Rannaben Shah 5/8, Principal Bunglow, Commerce Six Road, Navarangpura Ahmedabad.	26403061
Mahiti	Devuben Pandya. Opp, Bhim Talav, Dholera, Dhandhuka, Dis-Ahmedabad.	25733720
J.V.Naria Education and Charitable Trust	J.M.Sojitra. 43, Modern Market, Near Amber Cinema. Jamnagar.	0288-2661079
Jyoti Trust	Surang P Chauhan Jamkalyan, Dist, Jamnagar	02891-228478
Gujarat Biradari.	Prafullbhai Bhatt Nagar Chla, Jamnagar	0288-2559656

Vijay Jyot Gram Vikas Trust.	J.M.Sojitra. D/1/256, Randhit Nagar, Jamnagar	0288-2563302
Dr.Ambedkar Manav Vikas Sansodhan Trust.	Mahadevbhai . V. Jeval. Shuvnagar, Tharad, Banaskanth	
Mahila Jagruti Trust.	Arvindbhai Acharya. B/H, Darboading, Vadhavn.	
Gujarat Gram Vikas Parishad.	Shree Amarshinh Chowdhary. Plot No. 151/B, Sector 20, Gandhinagar	
Nirma Foundation Trust.	Ambubhai M.Patel. Nirma House, Nr Petrol Pump, Ashram Road, Ahmedabad	27546586 23741911 to 15
Karuna Trust.	Dirubhai S. Patel 22, Gautam Nagar, Railway Crossing,Naranpura, Ahmedabad	27560195 27560608 27560603
Sriji Maharj's Place.	Mahant Tulsidas. Village, Sayala Zilla; Surendra Nagar	
Nanav Kalyan Trust	Balubhai A.Deasi. Bhadi Nagar, Khedbrahmma, Zilla, Sabarkantha	02775-220085
Mahila Gruh Udhog Lijit Papad.	Prakash Pandya. 6, Dr, Kasturbhai Chambers, Nr, R.T.O Gandhi Ashram Ahmedabad.	27556265 Fax- 27556706
Shramik Vikas Santhan.	Mr. Sannt Mehta. Opp. Gujarat Rally Police Stadium Grounds, Raopura, Baroda.	0265-2423282 2439629 Fax- 2420838
Shri Bhuneswari Vidyapeeth.	Ghanshyamji Gondal. Gujarat	0265-220599, 222449 Fax- 221195 222450
Marathon Relief Services	Mr. President 2-B, Siyo Nagar, OR 495/2, Sector-8, Gandhinagar.	2325353729
Sarvodaya Trust.	G.S.Rathod Sanghi Puram, Abdasa, Kutch.	02831-274132 274102 274135
Seth Vardhman Kalyan Santhan.	Sandeep Mangrola. A-11, Ellora Park Society, Bharuch.	02642-226570 227151
Akhil Gujarat Manav Kalyan Trust.	Vasari Jani, Tirth, Ta;Mundra.	
Babubhai Shah Charitable Trust.	Shree Yeshwanr Narottamdas Shah Jai Hind Press Building, Nr, Mithakali Under Bridge, Ashram Road, Ahmedabad	26581734 26587052 26587053 Fax- 26587681
Jain Social Group Morbi Relief Trust.	M.D.Vora. Ratmalae Distributor, B/H, Bank Of Baroda, Sardar Road, Morbi.	02822-224625 231125

Shri Santram Jan Sewa Trust.	Sant Shree. Shree Santram Mandir, Nadiad.	0268-2250005
Insaff Khadi Gram Udyog Trust.	P.O.Valod. Ta; Dasada, Surendranagar.	
Karamshi Jethabhai Somiya Trust.	S.K.Somiya. (1) E/12, Vasudha Apartment, Vijay Park, Navrangpura, Ahmedabad. (2) H/3, MadhavPura Market, Shahibaug, Ahmedabad.	022-222048272
Aga Khan Rural Sports Programme, (India).	Mr. Berri Underwood. Swastik Cross Road, Navrangpura, Ahmedabad.	26427729 26427028 26427205 Fax- 26420862
ASAG (Ahmedabad Study Action Group)	Mr. Rajesh Bhatt	26589093 Fax- 26589094
Vibhas Trust.	Thakore Patel. Devgadh Baria, Zilla, Dahod.	02878-220446, 220900 Fax- 220460
Shree Maharishi Dayanand Saraswati Smarak Trust.	Acharya Vidyadev. Zilla; Tankara, Rajkot.	02822-287756
World Vision	Sathitya Seva Sadan, Opp, Hotel Sahlin, Gujarat College Cross Road, Ellisbridge. Ahmedabad.	
Gayatri Parivar Trust.	Sector- 1/A, Plot No: C/4, Opp, Shakti Nagar, Gandhinagar.	
Oxfam	S.S.Krishna . Earthquake Research Programme,9/Mayur Park Society, Memnagar, Ahmedabad.	27442675 27442674
Shree Rang Avadhoot Parivar Trust	Dutt Mandir. Sector- 28, Gandhinagar.	
Amul Relief Trust	B.M.Vyas Gujarat Co-Op-Milk Marketing Federation Ltd., Pilot Dairy, Kankaria,	5327399 5324605
The Church of North India	V.H.Malaviya I.P.Mission Compound, Ellisbridge, Ahmedabad.	26561950 Fax- 26561950
Gem &Jwellery National Relief Foundation.	Ketan B.Parikh. 501, Prasad Chambers, Opera House Mumbai.	022-23673731-32
Grass	Anilaben Dholakia. F/6.Punyashri Appt. B/h.Jahanvi Restaurant, New Passport Office. Dr.S.R.Marg, Ambawadi, Ahmedabad.	26829129 26301079 Fax- 26820326

Rastravadi Jagruti Yuvak Sangathan	Arvind M. Katapara. 19, Kasibai's Chawl Nr, Baliakaka Cross Road, Gomtipur, Ahmedabad.	Pager- 9602-511512 22773601 22777270 Fax-25461267
---	---	---

(Source: 1. http://revenue department.gujarat.gov.in/applications/content.asp?Content_Id=770&Title_Id=195&language=G&SiteID=8)
2. <http://gujenvfor.gswan.gov.in/e-citizen/e-citizen-list-ngos.htm>)

Centre for Environment Education (CEE) Nehru Foundation for Development Thaltej Tekra Ahmedabad-54 Tel: 6858002-9	Sadguru Water Development Foundation Manavbhum 20, Amrutwadi Society, Station Road, Dahod-389151 Dist-Panchmahal Tel: 02673-40855
VIKSAT Vikram Sarabhai Centre for Development Interaction, Nehru Foundation for Development Thaltej Tekra, Vastrapur Ahmedabad-53 Tel: 6858002-9	SESCOM (Manaviya Technology Forum) 25/B, Gokul Nagar Society (Sindhi Society) Makarpura Road Vadodara-390 009 Tel: 0265-324958
Juna Mozda Ta-Dediapada District -Narmada-393 040	Aga Khan Rural Support Programme (AKRSP) Netrang, Ta: Valiya Dist-Bharuch-393135
Safai Vidyalyaya Environmental Sanitation Institute Gandhi Ashram, Ahmedabad-27 Tel: 7557702, 7556267	Centre for Social Justice 106 C, Royal Chinmay Nr. Simandh Tower Judges Bungalow's Road Bodakdev Vastrapur Ahmedabad-54 Tel: 6769248, 6857443
SOCLEEN (Society for Clean Environment) Department of Microbiology Faculty of Science M. S. University Vadodara-390 002	(GUIDE) Gujarat Institute of Desert Ecology P.O. Box 83, Opp. Changleshwar Temple, Mundra Road, Bhuj, Kutch, Gujarat
ARTI, Applied Research & Training Institute 664, CH- Road Sector-8, Gandhinagar-380 009 Tel: 3232133, 3232233	Society for Environment Protection D-2, Keshav Apartment Memnagar Ahmedabad-380 052 Tel: 7435229

(Source: <http://gujenvfor.gswan.gov.in/e-citizen/e-citizen-list-ngos.htm>)

Annexure 9 Incident Response System- Roles & Responsibilities

Incident Commander (IC)

- Obtain information on:
 - situation status like number of people and the area affected etc.
 - availability and procurement of resources
 - requirement of facilities like ICP, Staging Area, Incident Base, Camp, Relief Camp, etc.
 - availability and requirements of Communication system
 - future weather behavior from IMD; and
 - any other information required for response from all available sources and analyse the situation
- Determine incident objectives and strategies based on the available information and resources. Establish priorities of the same.
- Assess requirements for maintenance of law and order, traffic etc. and make arrangements with help of the local police
- Brief higher authorities about the situation request for additional resources, if required
- Extend support for implementation of AC and UC if considered necessary by the RO
- Establish appropriate IRS organisation with Sections, Branches, Divisions and/or Units based on the span of control and scale of the incident
- Establish ICP at a suitable place. There will be one ICP even if the incident is multijurisdictional
- Ensure that the IAP is prepared and team members are briefed about it
- Approve and authorise the implementation of an IAP and ensure that IAP is regularly developed and updated as per debriefing of IRT members. It will be reviewed every 24 hours and circulated to all concerned
- Ensure that planning meetings are held at regular intervals and apart from other members, ensure that PSC attend all briefing and debriefing meetings
- Ensure proper coordination between all Sections of the IRT, agencies working in the response activities and make sure that all conflicts are resolved
- Consider requirement of resources, equipment which are not available in the functional jurisdiction, discuss with PSC and LSC and inform RO regarding their procurement
- If required, establish contact with PRIs, ULBs, CBOs, NGOs etc. and enlist their support to act as local guides in assisting the external rescue, relief teams and for any other relevant task.
- Approve the deployment of volunteers and such other personnel and ensure that they follow the chain of command
- Authorise release of information to the media
- Recommend demobilisation of the IRT, when appropriate
- Review public complaints and recommend suitable grievance redressal measures to the RO

Information & Media Officer (IMO)

- Prepare and release information about the incident to the media agencies and others with the approval of IC
- Jot down decisions taken and directions issued in case of sudden disasters when the IRT has not been fully activated and hand it over to the PS on its activation for incorporation in the IAP
- Monitor and review various media reports regarding the incident that may be useful for

<p>incident planning</p> <ul style="list-style-type: none"> • Organise IAP meetings as directed by the IC or when required; • Coordinate with IMD to collect weather information and disseminate it to all concerned • Maintain record of various activities performed • Perform such other duties as assigned by IC
<p style="text-align: center;">Safety Officer (SO)</p> <ul style="list-style-type: none"> • Recommend measures for assuring safety of responders and to assess or anticipate hazardous and unsafe situations and review it regularly • Participate in planning meetings for preparation of IAP • Review the IAP for safety implications • Obtain details of accidents that have occurred within the incident area if required or as directed by IC and inform the appropriate authorities • Review and approve the Site Safety Plan, as and when required • Maintain record of various activities performed • Perform such other duties as assigned by IC
<p style="text-align: center;">Liaison Officer (LO)</p> <ul style="list-style-type: none"> • Maintain a list of concerned line departments, agencies (CBOs, NGOs, etc.) and their representatives at various locations • Carry out liaison with all concerned agencies including NDRF and Armed Forces and line departments of Government • Monitor Operations to identify current or potential inter-agency problems • Participate in planning meetings and provide information on response by participating agencies • Ask for personnel support if required • Keep the IC informed about arrivals of all the Government and Non-Government agencies and their resources • Help in organising briefing sessions of all Governmental and Non-Governmental agencies with the IC • Maintain record of various activities performed • Perform such other duties as assigned by IC
<p style="text-align: center;">Law & Order Maintenance Officer (LOM)</p> <ul style="list-style-type: none"> • Provide security to affected population with an aim to prevent human trafficking • Provide security/ cordon off to evacuated structures so as to prevent cases of thefts • Ensure proper mechanism for crowd management • Ensure proper mechanism for public address so as to prevent any rumors or stampede like situation' • Perform such other duties as assigned by IC
<p style="text-align: center;">Operation Section Chief (OSC)</p> <ul style="list-style-type: none"> • Coordinate with the activated Section Chiefs • Manage all field operations for the accomplishment of the incident objectives • Deploy, activate, expand and supervise organisational elements (Branch, Division, Group, etc.) in his Section in consultation with IC and in accordance with the IAP • Assign appropriate personnel, keeping their capabilities for the task in mind and maintain On Duty Officers list (IRS Form-007) for the day as enclosed in Annexure-VII • Brief the personnel in OS at the beginning of each operational period • Prepare Section Operational Plan in accordance with the IAP; if required • Suggest expedient changes in the IAP to the IC

- Consult the IC from time-to-time and keep him fully briefed
- Determine the need for additional resources and place demands accordingly and ensure their arrival
- Ensure record of various activities performed by members of Branches, Divisions, Units/Groups are collected and maintained
- Perform such other duties as assigned by RO / IC

Staging Area Manager (SAM)

- Establish the SA with proper layout and ensure that there is no obstruction to the incoming and outgoing vehicles, resources etc.
- Organise storage and dispatch of resources received and dispatched it as per IAP
- Report all receipts and dispatches to OSC and maintain their records
- Manage all activities of the SA
- Utilise all perishable supplies expeditiously
- Establish check-in function as appropriate
- Ensure that communications are established with the ICP and other required locations e.g. different SAs, Incident Base, Camp, Relief Camp etc
- Maintain and provide resource status to PS and LS
- Demobilise SA in accordance with the Demobilisation Plan
- Maintain record of various activities performed and send to Sections concerned
- Perform any other duties as assigned by OSC

Response Branch Director (RBD)

- Work under the supervision of the OSC and is responsible for the implementation of IAP as per the assigned role
- Attend planning meetings as required by the OSC
- Review Assignment Lists for Divisions or Groups under his Branch
- Assign specific tasks to Division and Groups-in-Charge
- Supervise Branch functions
- Resolve conflicts reported by subordinates
- Report to OSC regarding modifications required if any in the IAP, need for additional resources, availability of surplus resources and when hazardous situations or significant events occur, etc.
- Provide Single Resource, Strike Team and Task Force support to various operational areas
- Ensure that all team leaders maintain record of various activities performed relating to their field Operations and send to OSC
- Perform any other duties assigned by the OSC

Division Supervisor (DS)

- Implement Division or Group assignment list
- Assign resources within the Division or Group under them
- Report on the progress of Operations, and the status of resources within the Division or Group
- Circulate Organisational Assignment List (Divisional / Group) to the leaders of the Group, Strike Team and Task Force
- Review assignments and incident activities with subordinates and assign tasks as per the situation
- Coordinate activities with adjacent Divisions or Groups, if required
- Submit situation and resource status to the RBD and the OSC
- Report all hazardous situations, special occurrences or significant events (e.g., accidents, sickness, deteriorating weather conditions, etc.) to the RBD and the OSC

<ul style="list-style-type: none"> • Resolve problems within the Division or Group • Participate in the development of IAP for next operational period, if required • Ensure that record of various activities performed are collected and sent to the RBD and OSC • Perform any other duties as assigned by the RBD/OSC
<p style="text-align: center;">Single Resource Leader/ Task Force Leader</p> <ul style="list-style-type: none"> • Take charge of necessary equipment and supplies • Assess local weather and environmental conditions, law and order situation etc. in the assigned area and report to the in-charge • Perform the assigned duty • Keep contact with his supervisor • Perform any other duties that may be assigned by his supervisor
<p style="text-align: center;">Transportation Branch Director (TBD)</p> <ul style="list-style-type: none"> • Activate and manage different Operations Groups like Road, Rail, Water and Air • Coordinate with the LS for required resources, and activate Groups of his Branch • Coordinate with railways, road transport, waterways and airport authorities for support as required • Ensure that Organisational Assignment List (Divisional / Group) is circulated among the Group-in-charge(s) and other responders of his Branch • Provide ground support to the air operations and ensure appropriate security arrangements • Provide Road transport support to the Rail and Water Operations Group as required • Ensure safety of all personnel of his Branch involved in the Incident Response activities • Ensure that all units moving in the area are familiarised with route with the help of road maps or local guides • Report to the OSC and IC about progress of the TB • Prepare transportation plan as per the IAP, if required • Determine the need for additional resources, their proper and full use and place demand accordingly in advance • Resolve problems and conflicts, if any; • Ensure the maintenance of the status of hired resources, their full utilisation and timely release • Ensure that the record of various activities performed by different operational groups (Road, Rail, Water and Air) are collected and sent to the Section concerned • Perform any other duties assigned by the IC or OSC
<p style="text-align: center;">Group In-charge (Road Operations)</p> <ul style="list-style-type: none"> • Ensure transportation of resources by Road to the affected sites • Requisition additional personnel support, if required • Attend planning meetings on the direction of OSC • Determine coordination procedures with various destinations as per IAP • Ensure proper parking locations • Resolve conflicts of the Group, if any • Update Road Operations plan as required and share them with higher authorities • In case of accidents, inform the TBD, the local police and provide assistance in investigation, if required • Ensure that mechanics are available for repair of vehicles and also ensure adequate availability of Petrol, Oil and Lubricants (POL) • Maintain the records of all important activities relating to the number of vehicles deployed,

<p>source of vehicles (i.e. Government or private), locations where vehicles are deployed along with resource details they are carrying, etc.</p> <ul style="list-style-type: none"> • Support and coordinate the Road Operations part of the Rail, Water and Air Operations as required • Collect record of various activities performed from coordinator and other members and send to TBD or OSC • Perform any other duties assigned by the TBD or OSC
<p style="text-align: center;">Group In-charge (Rail Operations)</p> <ul style="list-style-type: none"> • Ensure safe storage and warehousing of the materials • Evaluate storage locations, ensure safety and obtain guidance from the TBD, if required • Coordinate with Road Operations Group for movement of resources • Prepare and provide Rail Operations Summary including time of departure and arrival, destinations, resource details, etc as and when required by the senior officers • Request for additional personnel support, if required • Update the TBD from time to time and seek support, if required • Update Rail Operations Plan; • Establish and maintain communications with various storage and warehousing areas, destination points and railway officers • Collect record of various activities performed IRS from Coordinator and other in-charges and send to TBD or OSC • Perform any other duties assigned by OSC or TBD
<p style="text-align: center;">Group In-charge (Water Operations)</p> <ul style="list-style-type: none"> • Ensure transportation of rescue teams and relief materials by motor boats / country boats or by any other water transport to the affected sites with communication facilities and a local guide for guidance with each team • Determine coordination procedures with various destinations as per IAP • Supervise all Water Operations and related activities associated with the incident • Evaluate and ensure docking or harboring locations • Update Water Operations plan and share it with the higher authorities, including the LSC • Arrange for an accident investigation team as and when required and cooperate with the appropriate investigating authorities • Ensure availability of POL and other logistic support for boat operations • Attend to the needs of the personnel working with him • Collect record of various activities performed from Coordinator and other in-charges and send to TBD or OSC • Perform such other duties as assigned by TBD or OSC
<p style="text-align: center;">Nodal Officer (Air Operations)</p> <ul style="list-style-type: none"> • Coordinate with concerned authorities for air operations • Project the type of Air support required to the appropriate authorities based on the IAP and place the demand at least 24 hours in advance or as early as possible • Inform the IC and OSC about the Air movements and landing schedules in their respective areas • Ensure that relevant maps of the incident locations are available with all agencies involved in the Air Operations to give the correct coordinates etc. of the locations where Air support is required • Determine the suitability of Helipads or Helibases in coordination with the Air Force authorities and the State authorities

- Maintain communication with Air Traffic Control and the ground support staff regarding the Air movements and other related activities
- Assist the IC and the LSC in the procurement of required ATF etc.
- Report on Air Operations activities to the RO
- Perform any other duties assigned by the RO and IC

Group In-charge (Air Operations)

- Provide ground support to Air Operations as per the IAP
- Report to TBD the progress of Air Operations and work in close coordination with the NO, IC, OSC and TBD
- Ensure resources and supplies required for the Air Operations are available at the concerned locations
- Keep appropriate maps in order to provide correct coordinates to the pilots and others involved in the Air Operations
- Ensure refueling facilities are available at the landing and takeoff locations
- Ensure that helibase and Helipad locations are identified, marked and approved by the appropriate authorities
- Determine the need for assignment of personnel and equipment at each helibase and helipad
- Ensure that the communication systems are in place
- Update landing and takeoff schedule of aircrafts and helicopters as informed by NO
- Ensure preparation of the load manifest for proper loading or unloading of relief supplies
- Arrange for unloading and dispatch or storage of relief materials that arrive at the airports, helipads and helibase. In order to keep airports operational, special attention needs to be paid to unsolicited relief supplies that may arrive. They should be immediately cleared from the operational area
- Ensure that proper packaging and weighing facilities are in place and used for loading of relief materials
- Liaise with the road operations group for the road transportation needs
- Ensure the functionality of Aircraft rescue and firefighting service at helibases, helipads, security, proper lights, smoke candles/devices, weighing facilities, wind direction socks, etc. are in place
- Collect record of various activities performed from helibase and helipad-in-charge and send to TBD or OSC or IC
- Perform any other duties assigned by the TBD

Planning Section Chief (PSC)

- Coordinate with the activated section chiefs for planning and preparation of IAP in consultation with IC
- Ensure that decisions taken and directions issued in case of sudden disasters when the PS had not been activated are obtained from the IMO and incorporated in the IAP
- Ensure collection, evaluation, and dissemination of information about the incidents including weather, environment toxicity, availability of resources etc. from concerned departments and other sources. The PS must have a databank of available resources with their locations from where it can be mobilized
- Coordinate by assessing the current situation, predicting probable course of the incident and preparing alternative strategies for the operations by preparing the IAP. It includes:
 - Initial information and assessment of the damage and threat
 - Assessment of resources required

- Formation of incident objectives and conducting strategy meetings
- Operations briefing
- Implementation of IAP
- Review of the IAP
- Formulation of incident objectives for the next operational period, if required
- Ensure that Incident Status Summary is filled and incorporated in the IAP
- Ensure that Organisational Assignment List (Divisional / Group) is circulated among the Unit leaders and other responders of his Section
- Plan to activate and deactivate IRS organisational positions as appropriate, in consultation with the IC and OSC
- Determine the need for any specialised resources for the incident management
- Utilise IT solutions for pro-active planning, GIS for decision support and modeling capabilities for assessing and estimating casualties and for comprehensive response management plan
- Provide periodic projections on incident potential
- Report to the IC of any significant changes that take place in the incident status
- Compile and display incident status summary at the ICP
- Oversee preparation and implementation of Incident Demobilisation Plan
- Assign appropriate personnel, keeping their capabilities for the tasks in mind and maintain on Duty Officers List for the day
- Ensure that record of various activities performed by members of Units are collected and maintained
- Perform any other duties assigned by IC

Resource Unit Leader (RUL)

- Maintain and display the status of all assigned resources (Primary and Support) at the incident site by overseeing the check-in of all resources, and maintaining a resource status-keeping system. Primary resources are meant for responders and support resources are meant for affected communities
- Compile a complete inventory of all resources available. He will also access information about availability of all required resources at other locations and prepare a plan for their mobilisation, if required. IDRN, CDRN and IDKN facilities will also be used for this purpose
- Ensure and establish Check-in function at various incident locations
- Update the PSC and IC about the status of resources received and dispatched from time to time
- Coordinate with the various activated Branches, Divisions and Groups of OS for checking status and utilisation of allotted resources
- Ensure quick and proper utilisation of perishable resources
- Maintain record of various activities performed and send to Section concerned
- Perform any other duties assigned by PSC

Situation Unit Leader (SUL)

- Collect, process and organise all incident information as soon as possible for analysis. For such purposes, he can take the help of members of the Single Resource, Task Forces, Strike Teams, field level Government officers and members of PRIs, CBOs, NGOs etc;
- Prepare periodic future projections of the development of the incident (along with maps if required) and keep the PSC and IC informed
- Prepare situation and resource status reports and disseminate as required
- Provide authorised maps, photographic services to responders, if required
- Attend IAP Meeting with required information, data, documents and Survey of India maps

<p>etc</p> <ul style="list-style-type: none"> • Maintain record of various activities performed and send to Section concerned • Perform such other duties assigned by SUL or PSC
<p style="text-align: center;">Documentation Unit Leader (DUL)</p> <ul style="list-style-type: none"> • Ensure that all the required forms and stationery are procured and issued to all the activated Sections, Branches, Divisions, Groups and Units • Compile all information and reports related to the incident • Review and scrutinise the records and various IRS forms for accuracy and completeness • Inform appropriate Units of errors or omissions in their documentation, if any, and ensure that errors and omissions are rectified • Store files properly for post-incident analysis • Maintain record of various activities performed and send to sections concerned • Perform any other duties as assigned by the PSC
<p style="text-align: center;">Demobilisation Unit Leader (Demob. UL)</p> <ul style="list-style-type: none"> • Prepare Incident Demobilisation Plan (IDP) • Identify surplus resources and prepare a tentative IDP in consultation with the PSC and give priority to demobilisation of surplus resources • Develop incident check-out functions for Sections, Branches, Divisions and units in consultation with all Sections and send to the PS • Plan for logistics and transportation support for Incident Demobilisation in consultation with LS • Disseminate IDP at an appropriate time to various stakeholders involved • Ensure that all Sections, Units, Teams and Resources understand their specific Incident Demobilisation responsibilities and avail Demobilisation facilities • Arrange for proper supervision and execution of the IDP • Brief the PSC on the progress of Demobilisation • Request the PSC for additional human resources, if required • Maintain record of various activities performed and send to Sections concerned • Perform any other duties assigned by the PSC
<p style="text-align: center;">Technical Support(TS)</p> <ul style="list-style-type: none"> • Provide technical support to the response management • Function under the concerned section chief
<p style="text-align: center;">Logistic Section Chief (LSC)</p> <ul style="list-style-type: none"> • Coordinate with the activated Section Chiefs • Provide logistic support to all incident response effort including the establishment of SA, Incident Base, Camp, Relief Camp, Helipad etc. • Participate in the development and implementation of the IAP • Keep RO and IC informed on related financial issues • Ensure that Organisational Assignment List (Divisional / Group) is circulated among the Branch Directors and other responders of his Section • Request for sanction of Imprest Fund, if required • Supervise the activated Units of his Section • Ensure the safety of the personnel of his Section • Assign work locations and preliminary work tasks to Section personnel • Ensure that a plan is developed to meet the logistic requirements of the IAP with the help of Comprehensive Resource Management System • Brief Branch Directors and Unit Leaders

- Anticipate over all logistic requirements for relief Operations and prepare accordingly
- Constantly review the Communication Plan, Medical Plan and Traffic Plan to meet the changing requirements of the situation
- Assess the requirement of additional resources and take steps for their procurement in consultation with the RO and IC
- Provide logistic support for the IDP as approved by the RO and IC
- Ensure release of resources in conformity with the IDP
- Ensure that the hiring of the requisitioned resources is properly documented and paid by the FB
- Assign appropriate personnel, keeping their capabilities for the tasks to be carried out and maintain On Duty Officers List
- Ensure that cost analysis of the total response activities is prepared;
- Ensure that record of various activities performed by members of Branches and Units are collected and maintained
- Perform any other duties as assigned by RO or IC

Service Branch Director (SBD)

- Work under the supervision of LSC and manage all required service support for the incident management
- Manage and supervise various activated Units of the Branch
- Discuss with activated Unit leaders for the materials and resources required and procure the same through LS;
- Ensure proper dispatch of personnel, teams, resources etc. as per the IAP
- Prepare an assignment list, if required
- Resolve Service Branch problems, if any
- Maintain record of various activities performed and send to sections concerned
- Perform any other duties assigned by the IC and LSC

Communication Unit Leader (Com. UL)

- Work under the direction of the SBD and provide communications facility as and when required
- Ensure that all communications equipment available are in working condition and that the network is functional
- Supervise Communication Unit activities
- Maintain the records of all communications equipment deployed in the field and recover equipment provided by Communication Unit after the incident is over.
- Ensure setting up of a message centre to receive and transmit radio, telephone and other messages from various activated Sections, Branches, Units and higher authorities and maintain their records
- Prepare an alternative communication plan for execution in case of possible failure of the normal communications network. The alternative communications network may have wireless, satellite phones, cell phones, HAM radios etc
- Prepare a plan for integration of the communications set up of the central teams (NDRF, Armed Forces) with the local communications set up for the management of large scale disasters when they come to assist in the response effort
- Maintain record of various activities performed and send to SBD
- Perform any other duties assigned by the SBD or LSC.

Medical Unit Leader (MUL)

- Work under the direction of the SBD

<ul style="list-style-type: none"> • Prepare the Medical Plan and procurement of required resources as per IAP, provide medical aid and ambulance for transportation of victims and maintain the records of the same, obtain a road map of the area from the PS for the ambulance services, transportation of medical personnel and victims; • Respond to requests of the OS for medical aid, transportation and medical supplies etc. under intimation to the SBD and LSC • Maintain the list of medical personnel who could be mobilised in times of need • Prepare and circulate list of referral service centres to all the medical team leaders • Maintain record of various activities performed and send to SBD • Perform any other duties assigned by the SBD and LSC.
<p style="text-align: center;">Food Unit Leader (FUL)</p> <ul style="list-style-type: none"> • Work under the direction of the SBD • Supply resources to various activated Sections, Branches, Units and Groups of IRT as per direction of the SBD • Supply food to: a) Personnel of IRT(s) at ICP, Camps, Incident Base, SA, etc., and b) Victims at the temporary shelters, relief camps etc. • Request for assistants if the task becomes very large. The FUL may request the LSC to split the unit into two groups—one to supply food for personnel and another for victims. Requisition transport for supply of food to incident base, relief camp and other facilities • Determine food and drinking water requirements and their transportation, and brief the SBD and LSC • Maintain an inventory of receipt and dispatch of resources • Supervise the Unit activities • Maintain record of various activities performed and send to SBD • Perform any other duties assigned by the SBD and LSC
<p style="text-align: center;">Support Branch Director (Sup. BD)</p> <ul style="list-style-type: none"> • Work under the supervision of LSC, and supervise the function of various activated units • Procure and dispatch required tactical materials and resources for Operations with the concurrence of the Section Chief • Participate in the planning meeting of the LS • Resolve problems within his unit, if any • Maintain record of various activities performed and send to Section concerned • Perform any other duties assigned by the LSC
<p style="text-align: center;">Resource Provisioning Leader (RPUL)</p> <ul style="list-style-type: none"> • Work under the supervision of Sup.BD and organize movement of personnel, equipment and supplies, etc. • Receive and store safely all supplies required • Maintain the records of receipt and dispatch of supplies including equipment and personnel • Organise repair and servicing of non-expendable supplies and equipment • Monitor the kind, type and quantity of supplies available and dispatched • Receive and respond to requests for personnel, supplies and equipment from the activated sections, branches, divisions, units and groups • Maintain record of various activities performed and send to Sup.BD • Perform any other duty as assigned by LSC or Sup.BD
<p style="text-align: center;">Facilities Unit Leader (Fac. UL)</p> <ul style="list-style-type: none"> • Prepare the layout and activation of incident facilities, e.g., Incident Base, Camp(s), Relief Camp(s), ICP, etc., and provide basic amenities to the responders

- Report to the Sup.BD
- Locate the different facilities as per the IAP
- Participate in the planning meeting of the section, prepare list for each facilities and its requirements in coordination with the LSC
- Maintain record of various activities performed and send to Sup. BD
- Perform such other duties as assigned by the Sup. BD.

Ground Support Unit Leader (GSUL)

- Work under the supervision of the Sup. BD
- Provide transportation services for field operations to TBD
- In case air operations are activated, organise and provide required ground support through TBD
- Provide maintenance and repair services for all the vehicles and related equipment used for incident management as per proper procedures and keep the concerned line departments informed through the Sup. BD and LSC
- Develop and implement the Incident Traffic Plan
- Inform Resource Unit about the availability and serviceability of all vehicles and equipment
- Arrange for and activate fueling requirements for all transport including aircrafts in consultation with the Sup. BD
- Maintain inventory of assigned, available and off road or out of service resources
- Ensure safety measures within his jurisdiction
- Maintain record of various activities performed and send to the Sup. BD
- Perform any other duties as assigned by the Sup. BD

Finance Branch Director (FBD)

- Work under the LSC and attend planning meetings
- Prepare a list of resources to be mobilised, procured or hired in accordance with the IAP. Obtain orders of the competent authority as per financial rules and take steps for their procurement without delay
- Ensure that time records of hired equipment, personnel and their services are accurately maintained as per Government norms for payment
- Examine and scrutinise cost involved in the entire response activity including the demobilisation, analysis the cost effectiveness and keep the LSC informed
- Ensure that all obligation documents initiated at the incident are properly prepared, completed, verified and signed by the appropriate Section Chief and BD
- Brief the LSC or IC on all incident related financial issues needing attention or follow-up
- Maintain record of various activities performed and send to Sections concerned
- Perform any other duties as assigned by the LSC or IC

Time Unit Leader (TUL)

- Maintain time recording of hired equipment and personnel and ensure their maintenance on a daily basis and as per government norms
- Examine logs of all hired equipment and personnel with regard to their optimal utilisation
- Ensure that all records are correct and complete prior to demobilisation of hired resources
- Brief the FBD on current problems with recommendations on outstanding issues, and any follow-up required
- Ask for additional support of human resources for assistance, if required
- Maintain record of the activities performed and send to FBD
- Perform any other duties as assigned by the FBD

Procurement Unit Leader (PUL)

- Attend to all financial matters pertaining to vendors and contracts
- Review procurement needs in consultation with the FBD
- Prepare a list of vendors from whom procurement can be done and follow proper procedures
- Ensure all procurements ordered are delivered on time
- Coordinate with the FBD for use of imprest funds, as required
- Complete final processing of all bills arising out of the response management and send documents for payment with the approval of the FBD, LSC and IC
- Brief FBD on current problems with recommendations on outstanding issues and follow-up requirements
- Maintain record of activities performed and send to FBD
- Perform any other duties as assigned by the FBD

Compensation/ Claim Unit Leader (Com./ CUL)

- Collect all cost data and provide cost estimates
- Prepare and maintain a list of requisitioned premises, services, resources and vehicles, etc. with correct date and time of such requisition
- Follow appropriate procedures for preparation of claims and compensation
- Requisition additional human resources, if required
- Maintain record of various activities performed and send to FBD
- Perform any other duties as assigned by the FB

Cost Unit Leader (CUL)

- Develop incident cost summaries in consultation with the FBD on the basis of Cost Analysis Report
- Make cost-saving recommendations to the FBD
- Complete all records relating to financial matters prior to demobilisation
- Maintain record of various activities performed and send to FBD
- Perform any other duties as assigned by the FBD

Annexure 10 Format for Damage & Loss Assessment

A. Inspection Team Inspection Date & Time: _____
 Structure Engineer: _____
 Civil Engineer: _____
 Junior Engineer: _____
 Officer of Local Competent: _____
 Authority (from engg. section) Area Inspected: ☐ Exterior Only
 Photographer: _____ ☐ Exterior & Interior

B. Type of Disaster
☐ Earthquake ☐ Flood ☐ Fire ☐ Cyclone ☐ Blast ☐ Other

C. Location, Type & Occupancy of Building:
Location: **Brief Details:**
 Building Name: _____ Number of stories above ground: _____
 Address: _____ below ground: _____
 _____ Parking Floor: ☐ Ground Level
 _____ ☐ Basement Level
 Contact: _____ Phone: _____ Approx. Footprint area (sqm): _____
 Survey No.: _____ No. of residential units: _____
 Final Plot No.: _____ No. of residential units: _____
 Sub Plot No.: _____ not habitable
 Town Planning Scheme No.: _____

(To be collected from Competent Authority)

Type of Construction:

<input type="checkbox"/> Timber Construction <input type="checkbox"/> Masonry Construction <input type="checkbox"/> Kiln burnt bricks <input type="checkbox"/> Unburnt bricks <input type="checkbox"/> Random Rubble Uncoarsed <input type="checkbox"/> Random Rubble Coarsed <input type="checkbox"/> Hollow Concrete Blocks <input type="checkbox"/> Steel Structure <input type="checkbox"/> Other: _____	<input type="checkbox"/> Reinforced Masonry <input type="checkbox"/> Kiln burnt bricks <input type="checkbox"/> Hollow Concrete Blocks <input type="checkbox"/> Concrete Frame <input type="checkbox"/> Concrete Shear Wall <input type="checkbox"/> Dual System <input type="checkbox"/> Precast Concrete Construction <input type="checkbox"/> Composite Structure
--	---

Primary Occupancy:

<input type="checkbox"/> Individual House <input type="checkbox"/> Offices <input type="checkbox"/> Government <input type="checkbox"/> Semi Government <input type="checkbox"/> Emergency Services <input type="checkbox"/> Hospital	<input type="checkbox"/> Commercial <input type="checkbox"/> Restaurant <input type="checkbox"/> Hotel <input type="checkbox"/> Industrial <input type="checkbox"/> Cinema House, Auditoriums, Assembly Halls <input type="checkbox"/> Other: _____	<input type="checkbox"/> Educational <input type="checkbox"/> School <input type="checkbox"/> College <input type="checkbox"/> University	<input type="checkbox"/> Group Housing <input type="checkbox"/> Tenements <input type="checkbox"/> Flats <input type="checkbox"/> Historic <input type="checkbox"/> Fire Stations
--	--	--	---

D. Assessment:

Investigate the building for the conditions given below and check the appropriate column.

Observed Conditions	None	Minor	Moderate	Severe
● Collapse, partial collapse, or subsidence or uneven settlement of foundations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
● Building or story leaning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
● Structural Damage to Bearing Walls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
● Structural Damage to Frame Structure				
Columns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Column-Beam Junction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stairs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Walls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
● Parapet Wall, Architectural Elements, other Falling Hazard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
● Subsidence of ground, cracking ground slope movement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
● Internal Services				
Water supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drainage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electricity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lift	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire Fighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
● Site Hazards				
Gas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electricity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drainage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storm Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Toxic Chemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sketches:

Photographers:

Annexure 11 Family Emergency Survival Kit (Indicative)

Items	Descriptions
Water	one gallon of water per person per day for at least three days, for drinking and sanitation
Food	at least a three-day supply of non-perishable food
Torch and Battery	1-2
Candle Packet	1-2
Match Box Packet	1-2
Blanket	1-2
Bed Shits / Tarpaulin 12`*8	1-2
Claw Hammer with Nails	1
Rope	Minimum 30 Meter
Multipurpose Knife	1
Whistle	1-2
Local area map	1
Sanitation and personal hygiene items	1 -2

First Aid Kit for Family (Indicative)

Items	Specifications
Thermometer	1 Piece
Roller Bandage	3 Roll
3-inch sterile gauze pads	8-12 Piece
Savlon/ Dettol	1 small bottle
Betadine	1 small bottle
Soframycin Cream	1 , 30g Tube
Tourniquet	1 piece
Cotton	2-3 Roll
Band Aid	4-5 pieces
Scissors	1 piece
Ice Bag	1 piece
Hot Water Bottle	1 bottle
Anti-diarrhea medication	1 strips
Non-prescription pain relievers	1 strips
Anti Biotic tablets	1 strips

Annexure 12 Relief Kits (Indicative)

1. Immediate Family Relief Kit (For initial 1-2 days)

- a. Packaged drinking water
- b. Roasted peanuts/ roasted gram (*chana*)
- c. Salt, sugar
- d. Local snacks- *thepla*, *khakra*, flattened rice, *sukhi puri*, *sev*
- e. Glucose biscuits

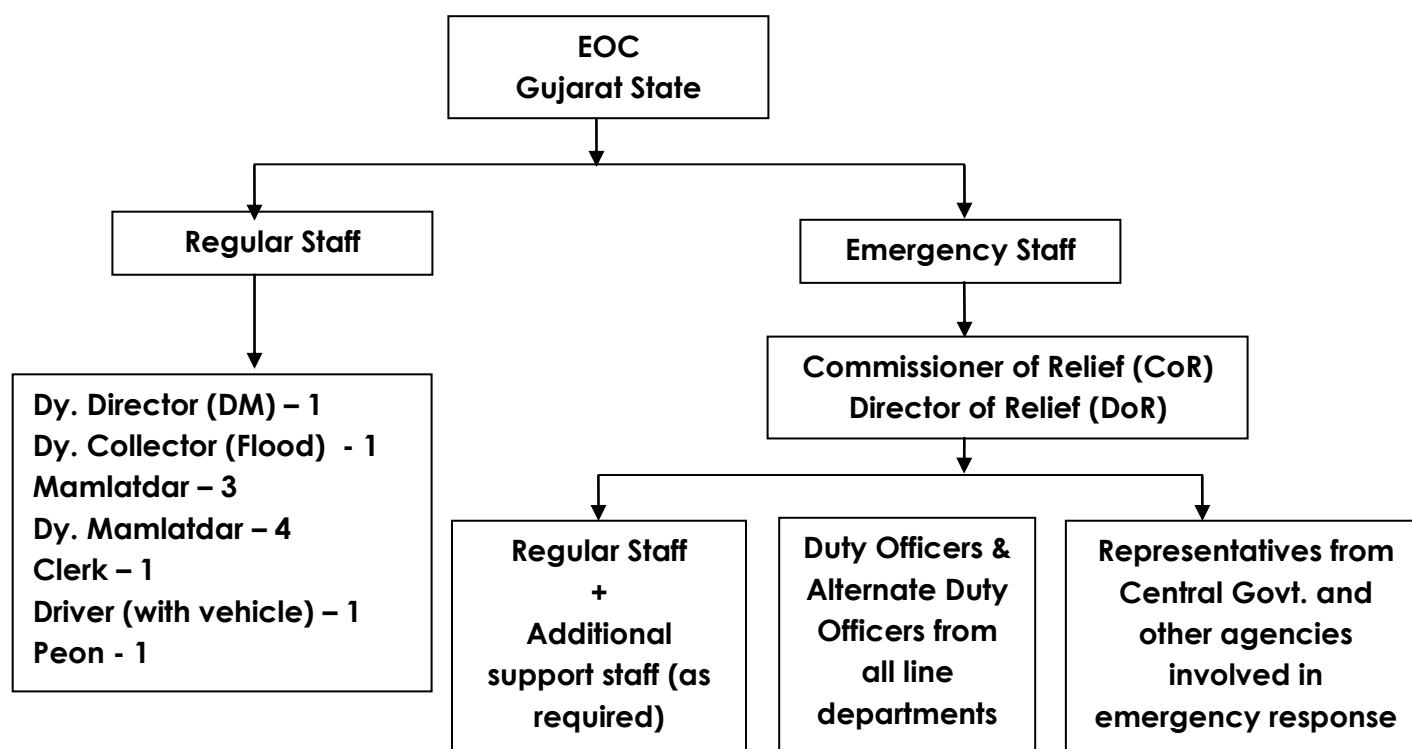
2. Family Ration Kit (1 Month)

Items	Description
Non Perishable Food Items	<ul style="list-style-type: none"> • Milk (Powdered or canned) • Sugar- 1 kg • Salt- 1 kg • Tea leaves- 500gm • Jaggery (1 kg) • Local snacks- peanuts, <i>chana</i>, <i>khakhra</i>, flattened rice, etc • Dry fruits • Rice- 15 kg • Green Moong Dal- 2 kg • Edible Oil- 2 kg • Spices- Red Chilli Powder (100 gm), Coriander Powder (100 gm), Turmeric Powder (100 gm)
Cooking Set and Associated Items	<ul style="list-style-type: none"> • Bowl -5 (1 L, stainless steel) • Plates -5(deep, stainless steel, diameter 22 cm, capacity 0.75 L) • Cooking pot- 1 (7 L, stainless steel, diameter 24 cm, with handles) • Cup- 5(stainless steel, with handle, 300 ml) • Knife -1 (stainless steel) • Serving Spoons-2 (stainless steel) • Spoons -5 (stainless steel) • Scrubber pad -1 (for cleaning dishes) • Soap- 2 • Plastic Bucket-1 • Plastic tumbler-1

3. Household Kit

Items	Description
Male Clothes	2
Female Clothes	4
Children Clothes	6
Blanket Cotton	1-2
Blanket Woolen	1
Mosquito Net	1-2
Tarpaulin White (4 x6 m)	1-2
Candle Packet	5
Match Box	5
Torch and Cell	1
Washing Powder	1kg
Bathing Soap	3
Detergent Soap	4
Toothpaste	2 tube (200gm)
Toothbrush	5
Sleepers	5 pair
Sanitary Napkins	3 packets
Blankets/ Bed sheets	3 (Depending on weather)
Tarpouline Sheets	2 (12'*8')

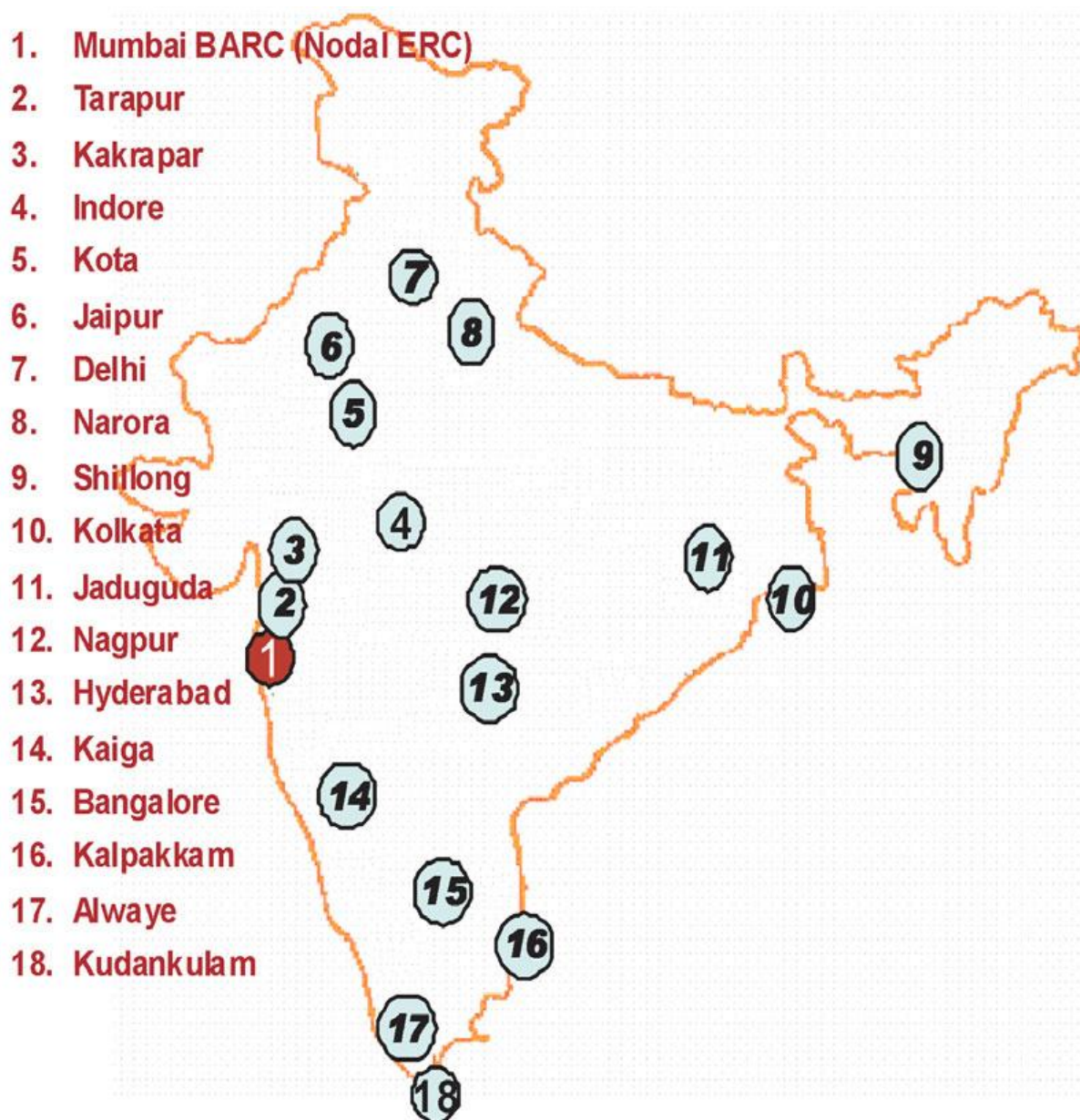
Annexure 13 Composition of Gujarat SEOC



Note-

1. EOC will functions round the clock throughout the year with Regular Staff
2. EOC will be activated under the COR with emergency staff on report of earthquake or any other emergency

Annexure 14
Location of the Emergency Response Centres (ERCs) Established by BARC



Annexure 15
Suggested Radius of Inner Cordoned Area (Safety Perimeter) for Radiological Emergencies
(IAEA-EPR-FIRST RESPONDERS 2006)

Situation	Initial Inner Cordoned Area (Safety Perimeter)
Initial Determination (Radiological Emergency in Open Area)	
Unshielded or damaged potentially dangerous source	30m around
Major spill from a potentially dangerous source	100m around
Fire, explosion or fumes involving a potentially dangerous source	300m radius
Suspected bomb (potential RDD), exploded or unexploded	400m radius or more to protect against an explosion
Initial Determination (Radiological Emergency Inside a Building)	
Damage, loss of shielding or spill involving a potentially dangerous source	Affected and adjacent areas (including floors above and below)
Fire or other event involving a potentially dangerous source that can spread materials throughout the building (e.g., through the ventilation system)	Entire building and appropriate outside distance as indicated above
Expansion Based on Radiological Monitoring	
Ambient dose rate of 100 μ Sv/h	Wherever these levels are measured

Annexure 16 Technical Specifications of Instruments

- I. For the purpose of surveillance, it is proposed to equip fairly good number of vehicles patrolling on road in all metropolitan cities and other district headquarter – town, that have high potential of radiological hazards with **Go/No-Go type of Survey Instrument**. It will give an audio – visual alarm at dose rate exceeding 1mR/hr (.01mSv/hr). **(@ 1 no. For each AERC)**
- II. Portable Survey Meter with maximum dose range (Gamma Rays) of 5 R/hr (50 m Sv/hr). It will read the radiation field in an affected area. **(@ 1 no. for each AERC)**
- III. Digital Dosimeters to provide digital display of cumulative dose received and to a trigger an alarm when the cumulative dose exceeds a set value **(@ 5 nos. for each AERC)**
- IV. **Comfo – Respirators** to prevent particular radioactivity from inhalation and/or exposure to the face and eye. It is like a helmet to protect face, eye and nose. **(@ 5 nos. for each AERC)**
- V. **Radiation Symbols** to be utilised for cordoning off the suspected/affected area of radiological contamination. **(@ 10 nos. For each AERC)**
- VI. **Oro- Nasal Surgical Masks** for preventing inhalation of particulate radioactive material. **(@ 50 nos. for each AERC)**
- VII. **Centralised Laboratory Facility** at each town/metro to ensure workability of all the instruments. It will have facility for calibration, maintenance etc. This will house one radioactive source (Cs- 137/Co-60) for calibration, a high range survey meter and some instruments for maintenance. (@1no. per town/metro). The room required for this laboratory will be provided by the concerned State Government.

Annexure 17 Dose Limits

AERB has prescribed the following dose limits for exposures to ionising radiations for occupational workers.

A) Effective dose¹ (whole body)

1. 20 mSv averaged over five consecutive years, calculated on a sliding scale of five years²; (The cumulative effective dose in the same five year period shall not exceed 100 mSv)
2. a maximum of 30 mSv in any year.

B) Equivalent dose (Individual Organs)

- | | |
|---|----------------------|
| 1. i) Eye lens | 150 mSv per year and |
| 2. ii) Skin ³ | 500 mSv per year |
| 3. iii) Extremities
(hands and feet) | 500 mSv per year |

C) Pregnant woman

- | | |
|---|----------|
| 1. Equivalent dose limit to the surface of the woman's lower abdomen
(for the remaining period of pregnancy) | 2 mSv |
| 2. Annual Limit on Intake (ALI) for radio nuclides
(for the remaining period of pregnancy) | 0.05 ALI |

D) Apprentices and students (above the age of 16 years)

- | | |
|-------------------------------------|-----------------|
| Effective dose ((whole body): | 6 mSv per year |
| Equivalent dose (Individual Organs) | |
| 1. Eye lens | 15 mSv per year |
| 2. Skin | 50 mSv per year |
| 3. Extremities
(hands and feet) | 50 mSv per year |

In addition, investigation limits are also prescribed by AERB at which investigation of exposure cases exceeding these limits are carried out by an AERB committee.

Note-

- ¹ Effective dose means summation of the tissue equivalent doses, each multiplied by the appropriate tissue- weighting factor.
- ² Sliding scale of five years means current year and previous four years.
- ³ Average dose over 1cm² of the most highly irradiated area of the skin.