

DISASTER MANAGEMENT PLAN OF UT OF DAMAN AND DIU.

Book – II

FOREWORD

Different parts of Daman and Diu are vulnerable to the natural calamities like Flood, Cyclonic Storms, Earthquake, Tsunami etc. Apart from these natural hazards there are chances of man-made disasters like major fire, industrial accidents, terrorist attacks etc.

Daman and Diu is a small Union Territory having only 02 Districts. The total area of the Union Territory is 112 sq Km having a population of about 2.42 lacs of which about 75.16% live in the urban areas and the population density is 2169 per square kilometer.

This UT DM Plan, Daman and Diu, has been prepared in the context of natural Disasters. This Plan should be useful to tackle the multi-hazard vulnerabilities and should be based on the factors like ever-growing population, increasing industrialization, development within high risk zones, environmental degradation, climate change, UT and national security, economy and sustainable development.

The objective of the Union Territory Disaster Management Plan, Daman and Diu is to facilitate execution of activities for prevention and preparedness, operations, coordination, and community awareness and involvement.

The framework of the plan is based on the paradigm shift in DM from a relief centric approach to a regime that anticipates the importance of preparedness, prevention and mitigation. The team has followed the guidelines for preparing State Disaster Management Plans issued by the National Disaster Management Authority for preparing the plan.

This Plan document consists of **two volumes**. Book I contains the detail of Disaster Management and a Chapter on Vulnerability Assessment and Risk Analysis. Book II contains all the annexures.

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ANNEXURE : 1

Composition of UT Disaster Management Authority of Daman and Diu.

U.T. ADMINISTRATION OF DAMAN AND DIU
DEPARTMENT OF DISASTER MANAGEMENT
COLLECTORATE, DAMAN.

No.COL/DMN-88/SEC-UT/2013/ 54

Dated 05/04/2014.

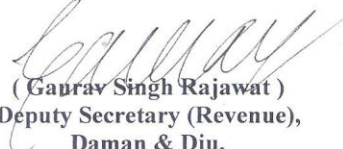
NOTIFICATION

In exercise of the powers conferred by proviso to sub section (1) of section 14 read with proviso to sub section (4) thereof and clause (s) of section 2 of the Disaster Management Act, 2005 (53 of 2005), the Administrator of Daman & Diu and Dadra & Nagar Haveli is hereby pleased to constitute the **Daman & Diu Disaster Management Authority** consisting of the following :-

- | | |
|---|------------------------------|
| 1. Administrator | - Chairperson cum CEO |
| 2. Member of Parliament | -Member and Vice Chairperson |
| 3. Development Commissioner | -Member |
| 4. Finance Secretary | -Member |
| 5. IG/DIG (Police) | -Member |
| 6. Collector, Daman | -Member |
| 7. Collector, Diu | -Member |
| 8. Director Medical and Health Services | -Member |
| 9. Director of Education | -Member |
| 10. Commanding Officer, Coast Guard | -Member |

This is issued in supersession of earlier Notification vide No.COL/DMN-88/SEC-UT/2013/5492 dated 05/03/2014 and No.1/11/COL/DMN/DDDMP/04-05/7743 dated 29/03/2005.

**By order and in the name of the
Administrator of Daman & Diu
and Dadra and Nagar Haveli**


(Gaurav Singh Rajawat)
Deputy Secretary (Revenue),
Daman & Diu.

To,

All Concerned.
All Head of Offices/Departments of Daman & Diu.

Copy fd. w. cs. to:-

- (1) The Dy. Director, Govt. Printing Press, Daman with a request to publish the above notification in Daman & Diu Gazette
- (2) The State Informatics Officer, NIC, Daman with a request to upload in the Collectorate office web site.

ANNEXURE : 2

Composition of Union Territory Executive Committee for Daman & Diu.

**U.T. ADMINISTRATION OF DAMAN AND DIU
DEPARTMENT OF DISASTER MANAGEMENT
COLLECTORATE, DAMAN.**

No. COL/DMN-88/SEC-UT/2013/ 5

Dated 05/04/2014.

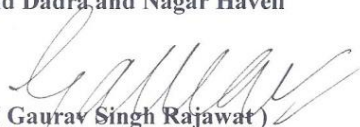
NOTIFICATION

In exercise of the powers conferred by sub-section (1) of section 20 read with clause (s) of section 2 of the Disaster Management Act, 2005 (53 of 2005), the Administrator of Daman & Diu and Dadra & Nagar Haveli is hereby pleased to constitute the **Daman & Diu Executive Committee** consisting of the following:-

- | | |
|--|--------------|
| 1. Administrator | -Chairperson |
| 2. Development Commissioner | -Member |
| 3. Finance Secretary | -Member |
| 4. Of other Secretaries in the
U.T. Administration, the two
senior most Secretaries. | -Member |

This is issued in supersession of earlier Notification vide No.COL/DMN-88/SEC-UT/2013/5493 dated 05/03/2014.

**By order and in the name of the
Administrator of Daman & Diu
and Dadra, and Nagar Haveli**


**(Gaurav Singh Rajawat)
Deputy Secretary (Revenue),
Daman & Diu.**

To,
All Concerned.
All Head of Offices/Departments of Daman & Diu.

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- (2) The State Informatics Officer, NIC, Daman with a request to upload in the Collectorate office web site.

ANNEXURE : 3

Composition of District Disaster Management Authority for the district of Daman.

**U.T. ADMINISTRATION OF DAMAN AND DIU
DEPARTMENT OF DISASTER MANAGEMENT
COLLECTORATE, DAMAN.**

No. COL/DMN-88/SEC-UT/2013/53

Dated 05/04/2014.

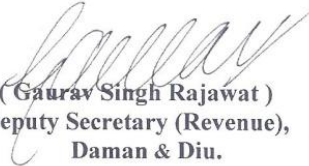
NOTIFICATION

In exercise of the powers conferred by sub-section (1) of section 25 read with clause (s) of section 2 of the Disaster Management Act, 2005 (53 of 2005), the Administrator of Daman & Diu and Dadra & Nagar Haveli is hereby pleased to constitute the **District Disaster Management Authority (DDMA)** for **Daman District** consisting of the following:-

- | | |
|--|-----------------|
| 1. Collector | -Chairperson |
| 2. President, District Panchayat | -Co-Chairperson |
| 3. President, Municipal Council | -Member |
| 4. Superintendent of Police | -Member |
| 5. Chief Medical Officer
(Dy. Director Medical & Health
Services, Daman). | -Member |
| 6. Deputy Collector (HQ), Daman | -Member & CEO |
| 7. Chief Executive Officer, District Panchayat | -Member |
| 8. Executive Engineer, PWD | -Member. |

This is issued in supersession of earlier Notification vide No.COL/DMN-88/SEC-UT/2013/5494 dated 05/03/2014 and No.1/14/COL/DMN/DDDMP/04-05/1336 dated 19/07/2005.

**By order and in the name of the
Administrator of Daman & Diu
and Dadra and Nagar Haveli**


**(Gaurav Singh Rajawat)
Deputy Secretary (Revenue),
Daman & Diu.**

To,
All Concerned.
All Head of Offices/Departments of Daman & Diu.

Copy fd. w. cs. to:-

- (1) The Dy. Director, Govt. Printing Press, Daman with a request to publish the above notification in Daman & Diu Gazette
- (2) The State Informatics Officer, NIC, Daman with a request to upload in the Collectorate office web site.

ANNEXURE : 4

Composition of District Disaster Management Authority for the district of Diu.

U.T. ADMINISTRATION OF DAMAN AND DIU
DEPARTMENT OF DISASTER MANAGEMENT
COLLECTORATE, DAMAN.

No. COL/DMN-88/SEC-UT/2013/ 52

Dated 05/04/2014.

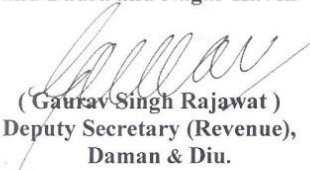
NOTIFICATION

In exercise of the powers conferred by sub-section (1) of section 25 read with clause (s) of section 2 of the Disaster Management Act, 2005 (53 of 2005), the Administrator of Daman & Diu and Dadra & Nagar Haveli is hereby pleased to constitute the **District Disaster Management Authority (DDMA)** for **Diu District** consisting of the following:-

- | | |
|---|-----------------|
| 1. Collector | -Chairperson |
| 2. President, District Panchayat | -Co-Chairperson |
| 3. President, Municipal Council | -Member |
| 4. Superintendent of Police | -Member |
| 5. Chief Medical Officer
(Health Officer, Diu) | -Member |
| 6. Deputy Collector, Diu. | -Member & CEO |
| 7. Chief Executive Officer, District Panchayat | -Member |
| 8. Executive Engineer, PWD | -Member. |

This is issued in supersession of earlier Notification vide No.COL/DMN-88/SEC-UT/2013/5494 dated 05/03/2014 and No.Col/Diu/Disaster.M./Adm/42 dated 04/04/2000.

**By order and in the name of the
Administrator of Daman & Diu
and Dadra and Nagar Haveli**


**(Gaurav Singh Rajawat)
Deputy Secretary (Revenue),
Daman & Diu.**

To,
All Concerned.
All Head of Offices/Departments of Daman & Diu.

Copy fd. w. cs. to:-

- (1) The Dy. Director, Govt. Printing Press, Daman with a request to publish the above notification in Daman & Diu Gazette
- (2) The State Informatics Officer, NIC, Daman with a request to upload in the Collectorate office web site.

ANNEXURE : 5

Do's and Don'ts for various Hazards

Cyclone Safety:

Do's before and during a cyclone

- Have your dwellings checked before a cyclone season starts and carry out whatever repairs that are needed.
- Talk to children and explain about cyclones without scaring them.
- Create storm awareness by discussing effects of a cyclonic storm with family members so that everyone knows what one can and should do in an emergency. This helps to remove fear and anxiety and prepares everyone to respond to emergencies quickly.
- Keep your valuables and documents in containers, which cannot be damaged by water.
- Keep information about your blood group.
- Keep lanterns filled with kerosene, torches and spare batteries. These must be kept in secure places and handy.
- Make plans for people who are either sick, suffer from disabilities, aged and children.
- Store up at least seven-day stock of essential food articles, medicines and water supply.
- Keep blankets & clothes ready for making beds. Also keep cotton bandages.
- Store some wooden boards so that they can be used to cover windows.
- Keep trees and shrubs trimmed. Remove damaged and decayed parts of trees to make them resist wind and reduce the potential for damage. Cut weak branches and make winds blow through.
- All doors, windows and openings should be secured.
- Continue to listen to warning bulletins and keep in touch with local officials. Keep radio sets in working condition. Battery powered radio sets are desirable.
- Evacuate people to places of safety when advised.
- Take steps to protect your assets.
- Store extra drinking water in covered vessels.
- Remain calm.

Don'ts during a Cyclone

- During the storm do not venture out unless advised to evacuate.
- If you have a vehicle and wish to move out of your house, leave early before the onset of a cyclone. It is often best to stay at home.
- Avoid remaining on the top floor of dwellings. Stay close to the ground.

- Fishermen are advised not to venture out into the sea. They should keep boats and rafts tied up in a safe place.
- Avoid taking shelters near old and damaged buildings or near trees.
- Do not touch power lines. One may get electrocuted.
-

Do's after the Cyclone

- Watch out for broken glass and other sharp items in debris.
- Watch out for snakes and insects. Try to call for help.
- Listen to the advice of local officials and emergency workers.
- Be sure that the storm has subsided before venturing out.
- It is advisable to wait for the "all clear message" on radio and TV networks.
- Wait for emergency relief teams to arrive. It may take a little time before relief becomes effective.
- Stay away from flooded areas.
- Fishermen should wait for at least 24 hours before resuming fishing.
- Volunteer to help people who may need assistance like:
 - Bringing evacuated people back home and in recording damages suffered
 - Rendering first aid to the wounded
 - Donating blood
 - Locating places where dead bodies can be kept until they are disposed off
 - Organizing clearing-up so that normalcy returns as soon as possible

Earthquake safety:

Do's and don'ts before Earthquake

- Tell the facts about earthquake to your family members.
- Construct new buildings with earthquake resistant method and strengthen the old buildings.
- Insure your house and family members.
- Take the training for first aid and fire fighting.
- Do not keep cots near the glass window.
- Do not keep heavy and fragile things in the selves.
- Do don't hang photo frames, mirrors, or glasses up your bed?
- Keep your important documents, some cash and necessary articles ready in a bag.
- Get your house insured before the earthquake.
- Identify special skills of neighbor (medical, technical) so that it can be utilized in emergency.

Do's and don'ts during Earthquake

- Do not panic.
- If already inside, than Stay indoors! Get under a heavy desk or table and hang on to it.
- If fire breaks out, drop on the floor and crawl towards the exist.

- If you are out doors during the quake, keep away from buildings, trees and electricity lines. Walk towards open places, in a calm and composed manner.
- If you are driving, quickly but carefully move your car as far out of traffic as possible and stop. Do not stop on or under a bridge or overpass or under trees, light posts, power lines, or signs. Stay inside the car until shaking stops.
- If you are in a school, get under a desk or table and hold on.

Do's and don'ts after the Earthquake

- Do not be afraid of the aftershocks.
- Listen to radio-TV and other media for Government Announcement.
- Check for injuries to yourself and those around you. Take first aid where you can.
- Extinguish fire, if any.
- Examine walls, floors, doors, staircases and windows to make sure that the building is not in danger of collapsing.
- Do not enter into the unsafe or risky houses or buildings.
- Inspect for Gas leaks-If you smell gas or hear blowing or hissing noises, open a window and quickly leave the building. Don't light your kitchen stove if you suspect a gas leak.
- Do not keep telephone lines busy unnecessarily.
- Switch off electric lines.

Fire safety:

Do's

- Buy Fireworks from the licensed shop.
- Keep fireworks in a closed box
- Store crackers away from source of fire or inflammation
- Follow all safety precautions issued with the fire works
- Go to open spaces like playgrounds, fields
- Light them at arm's length using a taper.
- Stand back while lighting the crackers
- Discard used fireworks in a bucket of water
- Keep buckets of water and blankets ready, in case a firebreaks out.
- Wear thick cotton clothes for maximum safety from fire.
- If clothes catch fire, Stop, Drop and Roll
- In case of uncontrolled fire wrap the victim in a blanket, till it stops.
- In case of burns splash tap water (not ice water), the process may be repeated till the burning sensation reduces.
- If fingers or toes are burned, separate them with dry, sterile, non-adhesive dressings.
- Make sure the burn victim is breathing, if breathing has stopped or if the victim's airway is blocked then open the airway and if necessary begin rescue breathing.
- Elevate the burned area and protect it from pressure and friction.

- Cover the area of the burn with a moist sterile bandage, or clean cloth (do not use blanket or towel for healing burns).
- Consult the doctor as soon as possible for the proper medication.
- Consult an ophthalmologist immediately in case of eye injuries.
- Do contact at the Fire Brigade (Tel. No. 101), for getting the details of the doctors on duty during the festival.
- **Don'ts**
- Don't burn crackers in crowded, congested places, narrow lanes or inside the house.
- Don't let children burst crackers unaccompanied by an adult
- Don't put fireworks in your pocket or throw them
- Don't cover crackers with tin containers or glass bottles for extra sound effect
- Don't dare to examine unburst crackers...leave it.
- Don't show the Dare-devilry of lighting crackers on own hands.
- Don't use fireworks inside a vehicle.
- Avoid long loose clothes, as they are fast in catching fire.
- Don't remove burnt clothing (unless it comes off easily), but do ensure that the victim is not still in contact with smoldering materials.
- Don't apply adhesive dressing on the burnt area.
- Don't break the burst blister.

Flood Safety

Do's and Don'ts after flood

- There is a possibility of spread of water borne diseases after flood, and hence medical treatment should be taken immediately.
- Do not enter deep, unknown waters.
- Do not go near the riverbank even after the floodwater has receded.
- Sprinkle medicines in the stagnant dirty water.
- Inspect your house for any cracks or other damage. Check all the walls, floor, ceiling, doors and windows, so that any chance of house falling down can be known and you can be aware about the immediate danger.
- If the floodwater has entered the house or has surrounded the house, then it is advisable not to enter such house.
- Keep listening to weather forecast on radio and television. Move to your residence only when instructed by the competent authority. It is not safe to believe that the problems have ended after the flood water have receded
- Inform the competent authority/officer for restoration of the necessary connections like gas, electricity, telephone, drainage, etc.
- Beware of the various insects or poisonous snakes that may have been dragged inside the house along with the floodwater.
- Destroy the food commodities that have been affected by floodwater.
- Check properly all the electric circuits, floor level furnace, boilers, gas cylinders, or electric equipments like motor pump etc. Check whether any inflammable or explosive item has not entered along with the floodwater.

- Switch off the main electric supply, if any damage is noticed to the electric equipments.
- If you find any breakage in the drainage system stop using latrines and do not use tap water.
- Do not use polluted water.
- Sewerage system should be checked and any damage should be repaired immediately so as to curtail spread of diseases.
- Empty the water clogged in the basement slowly with help of water pump so that damage to infrastructure can be minimized
- Check gas leakage which can be known by smell of gas or by hearing the sound of leakage; immediately open all windows and leave the house.
- Boil drinking water before usage and drink chlorinated water.
- Eat safe food.
- Rescue work should be undertaken immediately after flood situation as per the instruction. Do not follow any shortcut for rescue work.
- Do not try to leave the safe shelter to go back home until the local officials declare normalcy after flood and instruction to return home are not given.

Tsunami Safety:

Do's and Don'ts before Tsunami

- Be familiar with the tsunami warning signals. People living along the coast should consider an earthquake or a sizable ground rumbling as a warning signal. A noticeable rapid rise or fall in coastal waters is also a sign that a tsunami is approaching.
- Make sure all family members know how to respond to a tsunami. Make evacuation plans. Pick an inland location that is elevated.
- After an earthquake or other natural disaster, roads in and out of the vicinity may be blocked, so pick more than one evacuation route.
- Teach family members how and when to turn off gas, electricity, and water
- Children should be taught in advance about the evacuation plans.
- Prepare emergency kit beforehand. The emergency kit should contain Flashlight and extra batteries, battery-operated radio and extra batteries, First aid kit Emergency food and water, Essential medicines etc.

Do's and Don'ts during Tsunami

- Listen to a radio or television to get the latest emergency information, and be ready to evacuate if asked to do so.
- If you hear a tsunami warning, move at once to higher ground and stay there until local authorities say it is safe to return home.
- Move in an orderly, calm and safe manner to the evacuation site
- Stay away from the beach. Never go down to the beach to watch a tsunami come in.
- If you can see the wave you are too close to escape it.
- Return home only after authorities advise it is safe to do so.

Do's and Don'ts after Tsunami

- Stay tuned to a battery-operated radio for the latest emergency information.
 - Help injured or trapped persons.
 - Stay out of damaged buildings. Return home only when authorities say it is safe.
 - Enter your home with caution. Use a flashlight/torch when entering damaged buildings. Check for electrical shorts and live wires.
 - Do not use appliances or lights until an electrician has checked the electrical system.
 - Open windows and doors to help dry the building.
 - Shovel mud while it is still moist to give walls and floors an opportunity to dry.
 - Check food supplies and test drinking water.
 - Fresh food that has come in contact with flood waters may be contaminated and should be thrown out.
-

ANNEXURE : 6

Index of the list of the equipments for one team/ company for the disaster response.

Sr. No.	Name of the Team/ Company	Annexure
1.	Medical First Responders Team/ Company Equipments for One Team/ Company	3
2.	Search & Rescue Responders Team/ Company Equipments for One Team/ Company	4
3.	Fire Fighting Responders Team/ Company Equipments for One Team/ Company	5
4.	Hazardous Material Emergency Responders Team/ Company Equipments for One Team/ Company	6
5.	Weapons of Mass Destructions Responders Team/ Company Equipments for One Team/ Company	7
6.	Flood Rescue Responders Team/ Company Equipments for One Team/ Company	8

ANNEXURE : 7

EQUIPMENTS FOR MEDICAL FIRST RESPONDERS FOR ONE COMPANY**A. Recommended Medical Personnel requirements**

Medical Officer	-	2
Paramedics	-	8
Drivers	-	4

B. First Aid Equipments for Responders Bag

1.	Stretcher foldable light weight	20
2.	Spinal Stretcher	10
3.	Cramer wire Splints	10 Set
4.	Cervical collar (assorted)	30 Set
5.	Blanket Woolen	20
6.	First Aid Kit	30 Set

Recommended Contents for a First Aid Kit

Sl. No.	Item	Quantity
1.	Activated Charcoal (for poisoning emergencies) Flask	20
2.	Adhesive strip bandages – assorted sizes (packs of 20)	2
3.	Adhesive tape (leucoplast, 2")	2
4.	Adhesive tape (leucoplast, 4")	2
5.	Airway – Oral (80 mm)	2
6.	Airway – Oral (60 mm)	2
7.	Airway – Oral (40 mm)	2
8.	Alcohol – rubbing 70%	100 ml

Sl. No.	Item	Quantity
9.	Alcohol – wipes	10
10.	Ambu Bag (adult)	1
11.	Ambu Bag (pediatric)	1
12.	Antacid tablets	20
13.	Antibiotic ointment (soframycin)	1
14.	Antiseptic spray	1
15.	Artery forceps	1
16.	Aspirin tablets	20
17.	Bandages Elastic 3"	2
18.	Bandages Elastic (crepe, 6")	2
19.	Bandages roll 3"	10
20.	Bandages roll 6"	10
21.	Bandages Triangular	10
22.	Blanket woolen	1
23.	Blood Pressure instrument	1
24.	Burn Spray	1
25.	Calamine lotion	100 ml
26.	Cotton roll 500 Gm	2
27.	Cotton swabs	20
28.	Disposable latex or vinyl gloves (6" & 7")	10
29.	Eye pads	10
30.	Face mask for CPR (Adult)	2
31.	Face mask for CPR (Child)	2
32.	First aid guide	1

Sl. No.	Item	Quantity
33.	Flashlight	1
34.	Forceps (stainless steel, non toothed) 12.5 cm	1
35.	Gauze pads (sterile cotton) 2" x 4"	20
36.	Gauze pads (sterile Vaseline)	10
37.	Hot water bottle	1
38.	Oxygen Cylinder, lightweight Aluminium 110 lit. (optional)	1
39.	Oxygen canola Nasal	5
40.	ORS sachet	5
41.	Pain Spray	1
42.	Paper writing pad & pencil	1
43.	Paper drinking cups	5
44.	Pneumatic Splint set	1
45.	Safety pins	10
46.	Scissors (stainless steel) 12.5 cm	1
47.	Soap	1
48.	Slings (elbow, shoulder)	5
49.	Stethoscope	1
50.	Sugar or glucose solution	100 gm
51.	Thermometer – oral	1
52.	Tongue Depressor (disposable)	5
53.	Torch	1
54.	Tourniquet (elastic)	1
55.	Triage ribbon (green/ red/ black/ yellow) 5 each	20
56.	Bite sticks	5

Sl. No.	Item	Quantity
57.	Goggles of eye protection	1
58.	Medical Equipment carrying box	2

C. I) Medical Equipments for Base Camp

1.	Ventilator 1. Preferred Model: PAC-22	1
2.	Suction Machine – Battery mains operated	1
3.	Blood Pressure Apparatus – Mercury and Aneroid	1
4.	Laryngoscope with Diagnostic set	1
5.	Ophthalmoscope	1
6.	Ambu Bag with Mask	4
7.	Air way – metal and Plastic	4
8.	Oxygen Nasal Catheters and masks	10
9.	Endotracheal tubes (Pediatric/ Adult)	6
10.	Suction Catheters	10
11.	Light weight automatic Oxygen Cylinders 680 liters. Capacity with Oxygen Cylinder trolley	1
12.	Light weight automatic oxygen cylinders (110 liters)	4
13.	Ryles tube No.18	3
14.	Urinary Catheters Foleys, Medium and plain	3 each
15.	Torch	3
16.	Thermometer	3
17.	Tongue depressor	3
18.	Brief case for emergency medicaments and instruments	3
19.	IV sets	12
20.	Venflon No.18, 20, 22 (four each)	12
21.	Syringes 2 ml, 5 ml, 10 ml (10 each)	30
22.	Sterile disposable Needles 21, 22, 23, 24, 26 (10 each)	50
23.	Stretcher (foldable, light weight, biver glass)	1
24.	Spinal stretcher	1
25.	Crammer Wire Splints	10
26.	Pneumatic splints	1 set

II) **Medicines**

I-a) Topical Spray

1.	Pain Spray	10
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2.	Burn Spray	10
3.	Antiseptic Spray	10

II-b) Inhalers

1.	Asthalin inhaler	10
2.	Budecart inhaler	10

II-c) Injectables

1.	Ringer Lactate	30
2.	Normal Saline	10
3.	Haemaccel	10
4.	Efficorlin	10
5.	Decadron	10
6.	Atropine	10
7.	Aminophylline	10
8.	Asthalin	10
9.	Deriphylline	10
10.	Adrenaline	10
11.	Pethidine	10
12.	Morphine	10
13.	Voveran	30
14.	Dopamine	10
15.	Potassium Chloride	10
16.	Sodium Bicarbonate	10
17.	Stemetil	10
18.	Perineum	30
19.	Avil (25 mg)	30
20.	Phenergan	30
21.	Paracetamol	30
22.	Compose	30
23.	Ranitidine	30
24.	Buscopan	30
25.	2% Xylocard	10
26.	Anti – snake venom and Anti Sera	10

II-d) Tablets

1.	Crocic	500
2.	Nimulid	500
3.	Perineum	100
4.	Avil	500
5.	Prednisolone (5 mg, 10 mg)	100
6.	Sorbitrate (5 mg, 10 mg)	100

7.	Depine Capsules (5 mg, 10 mg)	100
8.	Domstal (10 mg)	100
9.	Alprax (0.25 mg)	100
10.	Norflox TZ	100
11.	Metronidazole	500
12.	Furoxone	500
13.	Digene	500
14.	Buscopan (10 mg)	100
15.	Ciplox (500 mg)	300
16.	Septran	500
17.	Amoxicillin	500
18.	Oral Rehydration Salt (ORS)	500

II-e) Miscellaneous

1.	Soframycin Ointment	10
2.	Silver sulfadiazine cream	10
3.	Sterpack (cotton gauze)	30
4.	Eye drops 0 ciplox	30
5.	Ear drops 0 Otek – AC	30
6.	Band Aid (assorted – two packets)	30
7.	Sprit	3 bottles
8.	Tr. Benzoin. Co.	3 bottles
9.	Savlon	3 bottles
10.	Betadine	3 bottles
11.	Sterile Cotton (200 gm)	30
12.	Cotton gauze (3' x 3')	100
13.	Cotton roll (big size)	30
14.	Cotton bandage	100
15.	Leucoplast	30
16.	Eye pads	30
17.	Crepe Bandage (6"/ 3")	30
18.	Tominquettes (clastic)	30
19.	Slings – Elbow/ Shoulders	30
20.	Gloves (size 6 1/2, 7, 7 1/2)	30

D. Instruments

1.	Chattel's forceps	3
2.	Artery Forceps	6
3.	Kidney tray	3
4.	Disposable cut down set	6
5.	Dressing scissors	6
6.	Stainless steel drums – medium	6

E. Furniture

1.	Patient examination table	1
2.	Screen/ curtain	3
3.	Patient bed	1
4.	Refrigerator 165 liters Auto defrost	1
5.	Steel Almirah	1
6.	Bed Sheets	4
7.	Blankets	6
8.	Emergency light	1

F. Vehicles

1.	Ambulance	:	2
2.	Heavy Vehicle (6 ton)	:	1
3.	Light vehicles modified for surgical treatment	:	1

ANNEXURE : 8**Equipments for Search & Rescue For One Company****A. Personal Equipment (each member)**

- i) Helmet/ Mardhat
- ii) Water bottle with sling
- iii) Eye Protection
- iv) Ear Protection
- v) Safety steel-toe boots
- vi) Safety Whistle
- vii) Knee pads
- viii) Work gloves
- ix) Work Cloth
- x) Cap or hat
- xi) Water proof flash light

B. Search & Rescue Equipment

- i) Iron shod levers, 10 ft long 10
- ii) Heavy Block for Fulcrum 10
- iii) Crowbars 20
- iv) Picks 20
- v) Shovels (or Phawrahs) 20
- vi) Half Round files 10
- vii) Sledge hammer 20
- viii) Heavy Axe 10
- ix) Light Axe 10
- x) Two handled cross cut- saw 10
- xi) Hand saw 10
- xii) 100 ft length 16 mm BOB rope 10
- xiii) 100 ft length 5/8 in wire rope 10
- xiv) 40 ft length 12 mm BOB lashing lines 20
- xv) chain tackle 10
- xvi) single sheave snatch block 10
- xvii) Petromax lamp 10
- xviii) Torches Electric water proof 20
- xix) Hurricane Lanterns 20
- xx) Tarpaulin 12 ft x 12 ft 20
- xxi) Set of rope tackle (3 sheave – 2 sheave) 10
- xxii) Jack with 5 ton lift 10
- xxiii) 20 ft length of BOB ropes 10 mm 20
- xxiv) Rubber gloves (pair) Tested upto 25,000 voltage) 10
- xxv) 200 ft length BOB rope 16 mm 10
- xxvi) Stretcher harness (set) 10

xxvii)	Scaffold poles for sheer legs	20
xxviii)	Debris baskets	20
xxix)	Fireman's Axe (with carrying pouches)	10
xxx)	Short ladder (8 or 10 ft) Aluminium	10
xxxi)	Buckets	20
xxxii)	Leather gloves (pairs)	20
xxxiii)	Extension ladder 35' Aluminium	10
xxxiv)	First Aid pouches	10

Contents:

- (a) Bandages Triangular
- (b) Canes for tightening improvised tourniquets
- (c) Dressing shells
- (d) Dressing first aid
- (e) Labels, casualty identity (packet of twenty)
- (f) Safety pins large (cards of six)
- (g) Scissors
- (h) Tourniquet

C. Specialized Rescue Equipments**D.**

a)	Electric Powered	
i)	Electric Drill	4
ii)	Circular Saw with Diamond Blade	4
iii)	Chipping Hammer	4
iv)	Smoke Blower & Exhauster	2
v)	Electric Generator (10 kv)	2
vi)	Diamond Chain Saw	4
vii)	Bullet Chain Saw	4
b)	Pneumatic (Air Powers)	
i)	Pneumatic Chisel	4
ii)	Air lifting Bags (different capacity)	2 Sets
viii)	Jumping Cushions	2
c)	Hydraulic Powered	
i)	Spreaders	4

ii)	Cutters	4
iii)	Combi tool	4
iv)	Rescue Rams	4
v)	Glass remover (Punch Mark)	10
d)	Other supporting equipment & accessories	
i)	Sat phone	1
ii)	Wireless VHF 150w	1
iii)	Search light	10
iv)	Walkie Talkies	20 Sets
v)	Search Camera	4
vi)	Video Camera	2
vii)	Tape Recorder	2
viii)	Loud hailers battery operated	2
ix)	Pipe wrenches	4
x)	Crescent/ adjustable wrenches	4
xi)	Slotted Screwdrivers	4 Sets
xii)	Files	4
xiii)	Hand Drills	4
xiv)	Orange paint cans	4
xv)	Flash lights	4
xvi)	Traps 4 x 4 meters	4
xvii)	Measuring Tapes, 3 meters	4
xviii)	Wood Blocks (10 x 10 x 45 cm)	32
xix)	Wood beams (10 x 10 cm x 3 m)	2
xx)	Wood beams (10 x 10 cm x 5 m)	7
xxi)	Wood beams (5 x 10 cm x 5 m)	8
xxii)	Plywood Board 12 mm tick 1.25 x 5 m	1
xxiii)	Wood shims	48
xxiv)	Wood wedges	32
xxv)	Nails	200
xxvi)	Stretcher	10
xxvii)	Blankets	10
xxviii)	Bolf cutters (Shears)	4
xxix)	Ceiling Hooks	10
xxx)	3 ton lifting tackle	5
xxxi)	6 ft. Chains (3 ton lift)	5
xxxii)	Portable acetylene cutting set with	3
xxxiii)	Aspects Blanket	2
xxxiv)	Shocking Kit	10

D. FIRST AID KIT**Recommended Contents for a First Aid Kit**

Sl. No.	Item	Quantity
1.	Activated Charcoal (for poisoning emergencies) Flask	20
2.	Adhesive strip bandages – assorted sizes (packs of 20)	2
3.	Adhesive tape (leucoplast, 2")	2
4.	Adhesive tape (leucoplast, 4")	2
5.	Airway – Oral (80 mm)	2
6.	Airway – Oral (60 mm)	2
7.	Airway – Oral (40 mm)	2
8.	Alcohol – rubbing 70%	100 ml
9.	Alcohol – wipes	10
10.	Ambu Bag (adult)	1
11.	Ambu Bag (pediatric)	1
12.	Antacid tablets	20
13.	Antibiotic ointment (soframycin)	1
14.	Antiseptic spray	1
15.	Artery forceps	1
16.	Aspirin tablets	20
17.	Bandages Elastic 3"	2
18.	Bandages Elastic (crepe, 6")	2
19.	Bandages roll 3"	10
20.	Bandages roll 6"	10
21.	Bandages Triangular	10
22.	Blanket woolen	1

Sl. No.	Item	Quantity
23.	Blood Pressure instrument	1
24.	Burn Spray	1
25.	Calamine lotion	100 ml
26.	Cotton roll 500 Gm	2
27.	Cotton swabs	20
28.	Disposable latex or vinyl gloves (6" & 7")	10
29.	Eye pads	10
30.	Face mask for CPR (Adult)	2
31.	Face mask for CPR (Child)	2
32.	First aid guide	1
33.	Flashlight	1
34.	Forceps (stainless steel, non toothed) 12.5 cm	1
35.	Gauze pads (sterile cotton) 2" x 4"	20
36.	Gauze pads (sterile Vaseline)	10
37.	Hot water bottle	1
38.	Oxygen Cylinder, lightweight Aluminium 110 lit. (optional)	1
39.	Oxygen canola Nasal	5
40.	ORS sachet	5
41.	Pain Spray	1
42.	Paper writing pad & pencil	1
43.	Paper drinking cups	5
44.	Pneumatic Splint set	1
45.	Safety pins	10
46.	Scissors (stainless steel) 12.5 cm	1

Sl. No.	Item	Quantity
47.	Soap	1
48.	Slings (elbow, shoulder)	5
49.	Stethoscope	1
50.	Sugar or glucose solution	100 gm
51.	Thermometer – oral	1
52.	Tongue Depressor (disposable)	5
53.	Torch	1
54.	Tourniquet (elastic)	1
55.	Triage ribbon (green/ red/ black/ yellow) 5 each	20
56.	Bite sticks	5
57.	Goggles of eye protection	1
58.	Medical Equipment carrying box	2

E. Vehicles

1. Rescue Tender (Without equipment) : 4
2. Ambulance : 2
3. Mobilization Truck : 2

ANNEXURE : 9

Equipments for Fire Fighting For One Company

Personal Equipment (each member)

- i) Helmet
- ii) Water bottle with sling
- iii) Eye Protection
- iv) Ear Protection
- v) Safety steel-toe boots
- vi) Safety Whistle
- vii) Knee pads
- viii) Work gloves
- ix) Overalls
- x) Personal Safety Line (sash cord) 15' length
- xi) Gum boot

B. Personnel Protective Equipments

- | | | |
|-----|---|----------|
| 1. | Fire Entry Suits | 10 |
| 2. | Fire proximity suit | 10 |
| 3. | Fire approach suit | 20 |
| 4. | Chemical protective clothing | |
| | Level A | 2 |
| | Level B | 2 |
| | Level C | 2 |
| 5. | NBC Suit | 2 |
| 6. | self contained Breathing Apparatus
with Spare Cylinder (Positive Pressure) | 30 |
| 7. | B. A. Compressor | 1 |
| 8. | leather Gloves | 50 Pairs |
| 9. | Personnel Line 5m. long | 50 |
| 10. | Guide line 3 m. long | 50 |

C. Fire Fighting Equipments

- | | | | |
|----|---|-------|----|
| 1. | Delivery Hose 15 m. long | 63 mm | 40 |
| | | 38 mm | 10 |
| 2. | Suction Hose 2.5 m. long | | 20 |
| 3. | Branches all types (Acron Branch, Multipurpose) | | 20 |
| 4. | Foam branch (5 x 10 x FB 10) | | 10 |
| 5. | Suction Adoten | | 5 |
| 6. | Female & male deliver adaptors | | 10 |

7.	Suction collecting head	5
8.	Dividing breeching	5
9.	Collecting breeching in the control	5
10.	Suction wrenches	10 pairs
11.	Suction Steiner	5
12.	Bucket stainer	5
13.	Long line 30 m. long 25 m nylon	5
14.	Rescue line 30 m. long 25 m nylon	5
15.	Short line 30 m. long 25 m nylon	5
16.	10 Kg DCP Foam Compatible	5
17.	9 liters AFFF Fire Extinguishers	5
18.	9 liters Water CO2 Fire Extinguishers	5
19.	CO2 7 kg Fire Extinguishers	5
20.	Foam (AFFF) Container 20 liter capacity	20
21.	35 feet aluminium Extension ladder	5
22.	Small gear set	5
23.	Torch light	5
24.	B. A. Set	5
25.	Portable High Pressure Pump	6
D.	<u>FIRST AID KIT</u>	10

Recommended Contents for a First Aid Kit

Sl. No.	Item	Quantity
1.	Activated Charcoal (for poisoning emergencies) Flask	20
2.	Adhesive strip bandages – assorted sizes (packs of 20)	2
3.	Adhesive tape (leucoplast, 2")	2
4.	Adhesive tape (leucoplast, 4")	2
5.	Airway – Oral (80 mm)	2
6.	Airway – Oral (60 mm)	2
7.	Airway – Oral (40 mm)	2
8.	Alcohol – rubbing 70%	100 ml
9.	Alcohol – wipes	10
10.	Ambu Bag (adult)	1
11.	Ambu Bag (pediatric)	1
12.	Antacid tablets	20
13.	Antibiotic ointment (soframycin)	1
14.	Antiseptic spray	1
15.	Artery forceps	1
16.	Aspirin tablets	20
17.	Bandages Elastic 3"	2
18.	Bandages Elastic (crepe, 6")	2
19.	Bandages roll 3"	10
20.	Bandages roll 6"	10
21.	Bandages Triangular	10

Sl. No.	Item	Quantity
22.	Blanket woolen	1
23.	Blood Pressure instrument	1
24.	Burn Spray	1
25.	Calamine lotion	100 ml
26.	Cotton roll 500 Gm	2
27.	Cotton swabs	20
28.	Disposable latex or vinyl gloves (6" & 7")	10
29.	Eye pads	10
30.	Face mask for CPR (Adult)	2
31.	Face mask for CPR (Child)	2
32.	First aid guide	1
33.	Flashlight	1
34.	Forceps (stainless steel, non toothed) 12.5 cm	1
35.	Gauze pads (sterile cotton) 2" x 4"	20
36.	Gauze pads (sterile Vaseline)	10
37.	Hot water bottle	1
38.	Oxygen Cylinder, lightweight Aluminium 110 lit. (optional)	1
39.	Oxygen canola Nasal	5
40.	ORS sachet	5
41.	Pain Spray	1
42.	Paper writing pad & pencil	1
43.	Paper drinking cups	5
44.	Pneumatic Splint set	1
45.	Safety pins	10
46.	Scissors (stainless steel) 12.5 cm	1
47.	Soap	1
48.	Slings (elbow, shoulder)	5
49.	Stethoscope	1
50.	Sugar or glucose solution	100 gm
51.	Thermometer – oral	1
52.	Tongue Depressor (disposable)	5
53.	Torch	1
54.	Tourniquet (elastic)	1
55.	Triage ribbon (green/ red/ black/ yellow) 5 each	20
56.	Bite sticks	5
57.	Goggles of eye protection	1
58.	Medical Equipment carrying box	2

E. Vehicles

- | | | |
|----|---|---|
| 1. | Fire Tender (Type 'B') (with all accessories) | 2 |
| 2. | Foam Tender | 1 |

3.	Rescue Tender	1
4.	Control Van	1
5.	Ambulance	1
6.	Mobilization Truck (medium)	2

ANNEXURE : 10**Equipments for Hazardous Material Emergency for First Responders for One Company****Personal Equipment (Level D) (each member)**

1. Overall
2. Gloves
3. Shoes chemical resistant, steel toe & shank
4. Boots, outer, chemical – resistant (disposable)
5. Safety glasses or chemical splash, goggles, poly carbonate lenses.
6. Helmet
7. Water bottle with sling

B. Personal Protective Equipment**I. Level A (20 Sets)**

1. Self contained Breathing Apparatus
2. Total – encapsulating chemical protective suit
3. Gloves, outer, chemical – resistant
4. Gloves, inner, chemical – resistant

II. Level B (20 Sets)

1. Self Contained Breathing Apparatus (SCBA)
2. Hooded chemical resistant clothing with elastic wrist and booties
3. Gloves inner chemical resistant
4. Gloves outer chemical resistant
5. Boot covers outer, chemical resistant (Disposable)

III. Level C (20 Sets)

1. Air purifying respirators with spare
2. Hooded chemical resistant clothing with elastic wrist and ankles
3. Gloves inner chemical resistant
4. Gloves outer chemical resistant

IV. NBC Suits (20 Sets)**C. NBC Specialized Equipments**

Sl. No.	Equipment	Number
1.	Teletector (uR/h to 1000R/h range)	1
2.	GM survey meter	6
3.	Contamination monitor	6
4.	Mini Rad meter	6
5.	Portable alpha monitor	6
6.	Direct reading dosimeter (one per member)	30
7.	TLD (one per member)	30

Sl. No.	Equipment	Number
8.	Plastic bags/ cordoning tape, minimum	6 sets
9.	Decontamination kit	5 sets
10.	Iodate tablets (KIO ₃)	1000
11.	Battery operated Air Sampler with filter papers	6
12.	C. D. Kit danger make	6
13.	Poison in water detecting kit	2
14.	LEL meter (Explosive meter)	6
15.	PH Tester	6
16.	PH paper	6 box
17.	Distress signal unit (DSU)	40
18.	First Aid Kit NBC Type 'A'	10
19.	First Aid Kit NBC Type 'B'	10
20.	Leak tester for B. A. Set	2
21.	Portable decontamination apparatus	10
22.	Decontamination solution	10 lts
23.	Decontamination gears (plastic sheets, brushes, buckets, fire hose, containers, portable pump)	10 sets
24.	Body bags	30
25.	Emergency Response Guide Book	10
26.	Safety Torch	30
27.	Safety line with chemical resistant 30 meter long.	30
28.	High visibility vest	30
29.	Traffic cones	20
30.	20 kg containers of soda ash & Soda Hydroxide	10
31.	20 liters container of AFFF	10
32.	Plastic drums 20 lts	4
33.	Pipe squeezer	10
34.	Leak storing devices	4 sets
35.	Chlorine leak capping kit	2 sets
36.	Non sparking tool (pipe nrinekes, hammer, curate opener, screw drivers set)	5 sets
37.	Non sparking brush, brooms shovels & Crow bar	5 sets
38.	Medical tag	50
39.	Multi gas detector with cut gum bottle	6
40.	First Aid Kit (as per MFR)	5
41.	Chemical agent monitor	3
42.	Cotton soaps for sample collection (20 Nos. in each packet)	10 packets
43.	Sample collecting plastic bad big size (20 Nos. in each packet)	10 packets
44.	Sample collecting plastic bad small size (20 Nos. in each packet)	10 packets
45.	Latex gloves disposable (100 in each packet)	10 packets

Sl. No.	Equipment	Number
46.	Flame ionization detector	2
47.	Ultra violet photo – ionization detector	2

D. FIRST AID KIT

10

Recommended Contents for a First Aid Kit

Sl. No.	Item	Quantity
1.	Activated Charcoal (for poisoning emergencies) Flask	20
2.	Adhesive strip bandages – assorted sizes (packs of 20)	2
3.	Adhesive tape (leucoplast, 2")	2
4.	Adhesive tape (leucoplast, 4")	2
5.	Airway – Oral (80 mm)	2
6.	Airway – Oral (60 mm)	2
7.	Airway – Oral (40 mm)	2
8.	Alcohol – rubbing 70%	100 ml
9.	Alcohol – wipes	10
10.	Ambu Bag (adult)	1
11.	Ambu Bag (pediatric)	1
12.	Antacid tablets	20
13.	Antibiotic ointment (soframycin)	1
14.	Antiseptic spray	1
15.	Artery forceps	1
16.	Aspirin tablets	20
17.	Bandages Elastic 3"	2
18.	Bandages Elastic (crepe, 6")	2
19.	Bandages roll 3"	10
20.	Bandages roll 6"	10
21.	Bandages Triangular	10
22.	Blanket woolen	1
23.	Blood Pressure instrument	1
24.	Burn Spray	1
25.	Calamine lotion	100 ml
26.	Cotton roll 500 Gm	2
27.	Cotton swabs	20
28.	Disposable latex or vinyl gloves (6" & 7")	10
29.	Eye pads	10
30.	Face mask for CPR (Adult)	2
31.	Face mask for CPR (Child)	2
32.	First aid guide	1
33.	Flashlight	1
34.	Forceps (stainless steel, non toothed) 12.5 cm	1
35.	Gauze pads (sterile cotton) 2" x 4"	20

Sl. No.	Item	Quantity
36.	Gauze pads (sterile Vaseline)	10
37.	Hot water bottle	1
38.	Oxygen Cylinder, lightweight Aluminium 110 lit. (optional)	1
39.	Oxygen canola Nasal	5
40.	ORS sachet	5
41.	Pain Spray	1
42.	Paper writing pad & pencil	1
43.	Paper drinking cups	5
44.	Pneumatic Splint set	1
45.	Safety pins	10
46.	Scissors (stainless steel) 12.5 cm	1
47.	Soap	1
48.	Slings (elbow, shoulder)	5
49.	Stethoscope	1
50.	Sugar or glucose solution	100 gm
51.	Thermometer – oral	1
52.	Tongue Depressor (disposable)	5
53.	Torch	1
54.	Tourniquet (elastic)	1
55.	Triage ribbon (green/ red/ black/ yellow) 5 each	20
56.	Bite sticks	5
57.	Goggles of eye protection	1
58.	Medical Equipment carrying box	2

E. Vehicles

- | | | |
|----|-------------------------|---|
| 1. | Equipment Toeing Tender | 4 |
| 2. | Ambulance | 2 |
| 3. | Mobilization Truck | 2 |
-

ANNEXURE : 11**Equipments for Weapons of Mass Destructions for First Responders for One Company****Personal Equipment (Level D) (each member)**

1. Overall
2. Gloves
3. Shoes chemical resistant, steel toe & shank
4. Boots, outer, chemical – resistant (disposable)
5. Safety glasses or chemical splash, goggles, poly carbonate lenses.
6. Helmet
7. Water bottle with sling

B. Personal Protective Equipment**I. Level A (10 Sets)**

1. Self contained Breathing Apparatus
2. Total – encapsulating chemical protective suit
3. Gloves, outer, chemical – resistant
4. Gloves, inner, chemical – resistant

II. Level B (10 Sets)

1. Self Contained Breathing Apparatus (SCBA)
2. Hooded chemical resistant clothing with elastic wrist and booties
3. Gloves inner chemical resistant
4. Gloves outer chemical resistant
5. Boot covers outer, chemical resistant (Disposable)

III. Level C (10 Sets)

1. Air purifying respirators with spare
2. Hooded chemical resistant clothing with elastic wrist and ankles
3. Gloves inner chemical resistant
4. Gloves outer chemical resistant

IV. NBC Suits (60 Sets)**C. NBC Specialized Equipments**

Sl. No.	Equipment	Number
1.	Teletector (uR/h to 1000R/h range)	1
2.	GM survey meter	6
3.	Contamination monitor	6
4.	Mini Rad meter	6
5.	Portable alpha monitor	6

Sl. No.	Equipment	Number
6.	Direct reading dosimeter (one per member)	30
7.	TLD (one per member)	30
8.	Plastic bags/ cordoning tape, minimum	6 sets
9.	Decontamination kit	5 sets
10.	Iodate tablets (KIO ₃)	1000
11.	Battery operated Air Sampler with filter papers	6
12.	C. D. Kit danger make	6
13.	Poison in water detecting kit	2
14.	LEL meter (Explosive meter)	6
15.	PH Tester	6
16.	PH paper	6 box
17.	Distress signal unit (DSU)	40
18.	First Aid Kit NBC Type 'A'	10
19.	First Aid Kit NBC Type 'B'	10
20.	Leak tester for B. A. Set	2
21.	Portable decontamination apparatus	10
22.	Decontamination solution	10 lts
23.	Decontamination gears (plastic sheets, brushes, buckets, fire hose, containers, portable pump)	10 sets
24.	Body bags	30
25.	Emergency Response Guide Book	10
26.	Safety Torch	30
27.	Safety line with chemical resistant 30 meter long.	30
28.	High visibility vest	30
29.	Traffic cones	20
30.	20 kg containers of soda ash & Soda Hydroxide	10
31.	20 liters container of AFFF	10
32.	Plastic drums 20 lts	4
33.	Pipe squeezer	10
34.	Leak storing devices	4 sets
35.	Chlorine leak capping kit	2 sets
36.	Non sparking tool (pipe nrinekes, hammer, curate opener, screw drivers set)	5 sets
37.	Non sparking brush, brooms shovels & Crow bar	5 sets
38.	Medical tag	50
39.	Multi gas detector with cut gum bottle	6
40.	First Aid Kit (as per MFR)	5
41.	Chemical agent monitor	3
42.	Cotton soaps for sample collection (20 Nos. in each packet)	10 packets
43.	Sample collecting plastic bad big size (20 Nos. in each packet)	10 packets
44.	Sample collecting plastic bad small size (20 Nos. in each)	10 packets

Sl. No.	Equipment	Number
	packet)	
45.	Latex gloves disposable (100 in each packet)	10 packets
46.	Flame ionization detector	2
47.	Ultra violet photo – ionization detector	2

D. FIRST AID KIT

10

Recommended Contents for a First Aid Kit

Sl. No.	Item	Quantity
1.	Activated Charcoal (for poisoning emergencies) Flask	20
2.	Adhesive strip bandages – assorted sizes (packs of 20)	2
3.	Adhesive tape (leucoplast, 2")	2
4.	Adhesive tape (leucoplast, 4")	2
5.	Airway – Oral (80 mm)	2
6.	Airway – Oral (60 mm)	2
7.	Airway – Oral (40 mm)	2
8.	Alcohol – rubbing 70%	100 ml
9.	Alcohol – wipes	10
10.	Ambu Bag (adult)	1
11.	Ambu Bag (pediatric)	1
12.	Antacid tablets	20
13.	Antibiotic ointment (soframycin)	1
14.	Antiseptic spray	1
15.	Artery forceps	1
16.	Aspirin tablets	20
17.	Bandages Elastic 3"	2
18.	Bandages Elastic (crepe, 6")	2
19.	Bandages roll 3"	10
20.	Bandages roll 6"	10
21.	Bandages Triangular	10
22.	Blanket woolen	1
23.	Blood Pressure instrument	1
24.	Burn Spray	1
25.	Calamine lotion	100 ml
26.	Cotton roll 500 Gm	2
27.	Cotton swabs	20
28.	Disposable latex or vinyl gloves (6" & 7")	10
29.	Eye pads	10
30.	Face mask for CPR (Adult)	2
31.	Face mask for CPR (Child)	2
32.	First aid guide	1
33.	Flashlight	1

34.	Forceps (stainless steel, non toothed) 12.5 cm	1
35.	Gauze pads (sterile cotton) 2" x 4"	20
36.	Gauze pads (sterile Vaseline)	10
37.	Hot water bottle	1
38.	Oxygen Cylinder, lightweight Aluminium 110 lit. (optional)	1
39.	Oxygen canola Nasal	5
40.	ORS sachet	5
41.	Pain Spray	1
42.	Paper writing pad & pencil	1
43.	Paper drinking cups	5
44.	Pneumatic Splint set	1
45.	Safety pins	10
46.	Scissors (stainless steel) 12.5 cm	1
47.	Soap	1
48.	Slings (elbow, shoulder)	5
49.	Stethoscope	1
50.	Sugar or glucose solution	100 gm
51.	Thermometer – oral	1
52.	Tongue Depressor (disposable)	5
53.	Torch	1
54.	Tourniquet (elastic)	1
55.	Triage ribbon (green/ red/ black/ yellow) 5 each	20
56.	Bite sticks	5
57.	Goggles of eye protection	1
58.	Medical Equipment carrying box	2

E. Vehicles

- | | | |
|----|-------------------------|---|
| 1. | Equipment Toeing Tender | 4 |
| 2. | Ambulance | 2 |
| 3. | Mobilization Truck | 2 |
-

ANNEXURE : 12**Equipments for Flood Rescue for One Company**Personal Equipment (each member)

- a) Helmet
- b) Water bottle with sling
- c) Eye Protection
- d) Ear Protection
- e) Safety steel-toe boots
- f) Safety Whistle
- g) Knee pads
- h) Work gloves
- i) Overalls
- j) Personal Safety Line (sash cord) 15' length

B. Specialized Flood Rescue Equipment

- | | | |
|-----|---------------------------------------|-----|
| 1. | Rescue back boards | 20 |
| 2. | Light weight high pressure pumps | 10 |
| 3. | Diving suit | 10 |
| 4. | Under water BA set | 10 |
| 5. | Floating Pump | 05 |
| 6. | Inflatable boat (12 persons) | 20 |
| 7. | Fiber boat (12 persons) | 10 |
| 8. | Lifebuoy | 30 |
| 9. | Life Jackets | 100 |
| 10. | Multicable winch | 10 |
| 11. | Karabiners | 30 |
| 12. | Basket Stretcher | 10 |
| 13. | Portable Generator with flood light | 4 |
| 14. | Portable Shelter 10' x 14', 10' x 23' | 10 |
| 15. | Pneumatic Rope Launcher | 2 |
| 16. | Out Board Motor | 10 |
| 17. | Loudhailer/ Megaphone | 2 |
| 18. | Walkie – Talkie | 20 |

C. Miscellaneous Flood Rescue Equipment

- | | | |
|-------|--|----|
| i) | Picks | 10 |
| ii) | Shovels (or Phawrahs) | 10 |
| iii) | Sledge hammer | 10 |
| iv) | Light Axe | 10 |
| v) | 100 ft length 12 mm BOB rope | |
| vi) | Torches Electric water proof | 20 |
| vii) | Hurricane Lanterns | 20 |
| viii) | Tarpaulin 12 ft x 12 ft | 10 |
| ix) | Set of rope tackle (3 sheave – 2 sheave) | |

x)	20 ft length of BOB ropes 1 ½ inch	20
xi)	Rubber gloves (pair) Tested upto 25,000 voltage)	10
xii)	Scaffold poles for sheer legs	10
xiii)	Debris baskets	20
xiv)	Buckets	20
xv)	Leather gloves (pairs)	30
xvi)	First Aid pouches	20 sets

CONTENTS:

- i) Bandages Triangular
- ii) Canes for tightening improvised tourniquets
- iii) Dressing shells
- iv) Dressing first aid
- v) Labels, casualty identity (packet of twenty)
- vi) Safety pins large (cards of six)
- vii) Scissors
- viii) Tourniquet

D. FIRST AID KIT

10

Recommended Contents for a First Aid Kit

Sl. No.	Item	Quantity
1.	Activated Charcoal (for poisoning emergencies) Flask	20
2.	Adhesive strip bandages – assorted sizes (packs of 20)	2
3.	Adhesive tape (leucoplast, 2")	2
4.	Adhesive tape (leucoplast, 4")	2
5.	Airway – Oral (80 mm)	2
6.	Airway – Oral (60 mm)	2
7.	Airway – Oral (40 mm)	2
8.	Alcohol – rubbing 70%	100 ml
9.	Alcohol – wipes	10
10.	Ambu Bag (adult)	1
11.	Ambu Bag (pediatric)	1
12.	Antacid tablets	20
13.	Antibiotic ointment (soframycin)	1
14.	Antiseptic spray	1
15.	Artery forceps	1
16.	Aspirin tablets	20
17.	Bandages Elastic 3"	2
18.	Bandages Elastic (crepe, 6")	2
19.	Bandages roll 3"	10
20.	Bandages roll 6"	10
21.	Bandages Triangular	10
22.	Blanket woolen	1
23.	Blood Pressure instrument	1
24.	Burn Spray	1

Sl. No.	Item	Quantity
25.	Calamine lotion	100 ml
26.	Cotton roll 500 Gm	2
27.	Cotton swabs	20
28.	Disposable latex or vinyl gloves (6" & 7")	10
29.	Eye pads	10
30.	Face mask for CPR (Adult)	2
31.	Face mask for CPR (Child)	2
32.	First aid guide	1
33.	Flashlight	1
34.	Forceps (stainless steel, non toothed) 12.5 cm	1
35.	Gauze pads (sterile cotton) 2" x 4"	20
36.	Gauze pads (sterile Vaseline)	10
37.	Hot water bottle	1
38.	Oxygen Cylinder, lightweight Aluminium 110 lit. (optional)	1
39.	Oxygen canola Nasal	5
40.	ORS sachet	5
41.	Pain Spray	1
42.	Paper writing pad & pencil	1
43.	Paper drinking cups	5
44.	Pneumatic Splint set	1
45.	Safety pins	10
46.	Scissors (stainless steel) 12.5 cm	1
47.	Soap	1
48.	Slings (elbow, shoulder)	5
49.	Stethoscope	1
50.	Sugar or glucose solution	100 gm
51.	Thermometer – oral	1
52.	Tongue Depressor (disposable)	5
53.	Torch	1
54.	Tourniquet (elastic)	1
55.	Triage ribbon (green/ red/ black/ yellow) 5 each	20
56.	Bite sticks	5
57.	Goggles of eye protection	1
58.	Medical Equipment carrying box	2

E. Vehicles

1.	Equipment Towing Tender	4
2.	Ambulance	2
3.	Mobilization Truck	2

ANNEXURE : 13**REVISED LSIT OF ITEMS AND NORMS OF EXPENDITURE FOR ASSISTANCE FROM STATE DISASTER RESPONSE FUND (SDRF) AND NATIONAL DISASTER RESPONSE FUND (NDRF)**

(Period 2010-2015,MHA Letter No. 32-7/2011-NDM-I Dated 16th January 2012, modified vide letter No. 32-3/2012-NDM-I Dated 28th September 2012, modified vide letter No. 32-3/2013-NDM-I Dated 21st June 2013)

Sr. No.	ITEM	NORMS OF ASSISTANCE
1	2	3
1	GRATUITOUS RELIEF	
	(a) Ex-Gratia Payment to families of deceased persons.	Rs. 1.50 Lakh per deceased person including those involved in relief operations or associated in preparedness activities, subject to certification regarding cause of death from appropriate authority. <ul style="list-style-type: none"> - In the case of an Indian citizen who loses his life due to a notified natural calamity in a foreign country, his family, would not be paid this relief. - In the case of a foreign citizen who loses his life due to a notified natural calamity within the territory of India, his family, would also not be paid this relief.
	b) Ex-Gratia payment for loss of a limb or eye(s).	Rs. 43,500/- per person, when the disability is between 40% and 80%. Rs. 62,000/- per person, when the disability is more than 80%. Subject to the certification by a doctor from a hospital of dispensary of government, regarding extent and cause of disability.
	c) Grievous injury requiring hospitalization.	Rs.9,300/- per person requiring hospitalization for more than a week. Rs.3,100/- per person requiring hospitalization for less than a week.
	d) Clothing and utensils/household goods for families whose houses have been washed away/fully damaged/severely inundated for more than a week due to a natural calamity.	Rs.1,300/- per family, for loss of clothing. Rs.1,400/- per family, for loss of utensils/household goods
	e) Gratuitous relief for families in dire need of immediate	Rs. 40/- per adult, Rs. 30/- per child, not housed in relief camps. State Government will certify that (i)

Sr. No.	ITEM	NORMS OF ASSISTANCE
	sustenance after a calamity. GR to be provided to those who have no food reserve, or whose food reserves have been wiped out in a calamity, and who have no other immediate means of support.	<p>these persons have no food reserves, or their food reserves have been wiped out in a calamity, and (ii) identified beneficiaries are not housed in relief camps. Further State Government will provide the basis and process for arriving at such beneficiaries district-wise.</p> <p>Period for providing gratuitous relief will be as per assessment of the State Executive Committee (SEC) and the Central Team (in case of NDRF). The default period of assistance will up to 30 days, which may be extended up to 60 days in the first instance, if required, and subsequently up to 90 days in case of drought/pest attack.</p>
2.	SEARCH & RESCUE OPERATIONS	
	(a) Cost of search and rescue measures/evacuation of people affected/likely to be affected.	<p>As per actual cost incurred, assessed by SEC and recommended by the Central Team (in case of NDRF).</p> <p>- By the time the Central Team visits the affected area, these activities are already over. Therefore, the State Level Committee and the Central Team can recommend actual/near-actual costs.</p>
	(b) Hiring of boats for carrying immediate relief and saving lives.	<p>As per actual cost incurred, assessed by SEC and recommended by the Central Team (in case of NDRF).</p> <p>The quantum of assistance will be limited to the actual expenditure incurred on hiring boats and essential equipment required for rescuing stranded people and thereby saving human lives during a notified natural calamity.</p>
3	RELIEF MEASURES	
	(a) Provision for temporary accommodation, food, clothing, medical care, etc. for people affected/evacuated and sheltered in relief camps.	<p>As per assessment of need by SEC and recommendation of the Central Team (in case of NDRF), for a period up to 30 days. The SEC would need to specify the number of camps, their duration and the number of persons in camps. In case of continuation of a calamity like drought, or widespread devastation caused by earthquake or flood etc., this period may be extended to 60 days, and up to 90 days in cases of severe drought.</p> <p>Medical care may be provided from National Rural Health Mission (NRHM).</p>
	(b) Air dropping of essential supplies.	<p>As per actual, based on assessment of need by SEC and recommended by the Central Team (in case of NDRF).</p> <p>- The quantum of assistance will be limited to</p>

Sr. No.	ITEM	NORMS OF ASSISTANCE
		actual amount raised in the bills by the Ministry of Defense for airdropping of essential supplies and rescue operations only.
	(c) Provision of emergency supply of drinking water in rural areas and urban areas.	As per actual cost, based on assessment of need by SEC and recommended by the Central Team (in case of NDRF), up to 30 days and may be extended up to 90 days in case of drought.
4.	CLEARANCE OF AFFECTED AREAS	
	a) Clearance of debris in public areas.	As per actual cost within 30 days from the date of start of the work based on assessment of need by SEC for the assistance to be provided under SDRF and as per assessment of the Central team for assistance to be provided under NDRF.
	b) Draining off flood water in affected areas.	As per actual cost within 30 days from the date of start of the work based on assessment of need by SEC for the assistance to be provided under SDRF and as per assessment of the Central team for assistance to be provided under NDRF.
	c) Disposal of dead bodies/Carcasses.	As per actual, based on assessment of need by SEC and recommendation of the Central Team (in case of NDRF).
5.	AGRICULTURE	
(i)	Assistance to small and marginal farmers.	
A.	Assistance for land and other loss	
	a) De-silting of agricultural land (where thickness of sand/ silt deposit is more than 3", to be certified by the competent authority of the State Government.)	Rs. 8,100/- per hectare for each item.
	b) Removal of debris on agricultural land in hilly areas.	(Subject to the condition that no other assistance/ subsidy has been availed of by/ is eligible to the beneficiary under any other Government Scheme)
	c) De-silting/Restoration/ Repair of fish farms	
	d) Loss of substantial portion of land caused by landslide, avalanche, change of course of rivers.	Rs. 25,000/- per hectare to only those small and marginal farmers whose ownership of the land is legitimate as per the revenue records.
B.	Input subsidy (where crop loss is 50% and above)	
	a) For agriculture crops, horticulture crops and annual plantation crops	Rs. 4,500/- per ha. in rain fed areas and restricted to sown areas.

Sr. No.	ITEM	NORMS OF ASSISTANCE
		Rs. 9,000/- per ha. in assured irrigated areas, subject to minimum assistance not less than Rs. 750 and restricted to sown areas.
	b) Perennial crops	Rs. 12,000/- ha. for all types of perennial crops subject to minimum assistance not less than Rs. 1500/- and restricted to sown areas.
	c) Sericulture	Rs. 3,200/- per ha. for Eri, Mulberry, Tussar Rs. 4,000/- per ha. for Muga.
(ii)	Input subsidy to farmers other than small and marginal farmers.	<p>Rs. 4,500/- per hectare in rain fed areas and restricted to sown areas.</p> <p>Rs. 9,000/- per hectare for areas under assured irrigation and restricted to sown areas.</p> <p>Rs. 12,000/- per hectare for all types of perennial crops and restricted to sown areas.</p> <ul style="list-style-type: none"> - Assistance may be provided where crop loss is 50% and above, subject to a ceiling of 1 ha. per farmer and up to 2 ha. per farmer in case of successive calamities irrespective of the size of holding being large. <p style="text-align: center;">-</p>
6.	ANIMAL HUSBANDRY – ASSISTANCE TO SMALL AND MARGINAL FARMERS	
	i) Replacement of milch animals, draught animals or animals used for haulage.	<p>Milch animals- Rs. 16,400/- Buffalo/ cow camel/ yak etc. Rs. 1,650/- Sheep/ Goat</p> <p>Draught animals- Rs. 15,000/- Camel/ horse/ bullock, etc. Rs. 10,000/- Calf/ Donkey/ Pony/ Mule</p> <ul style="list-style-type: none"> - The assistance may be restricted for the actual loss of economically productive animals and will be subject to a ceiling of 1 large milch animal or 4 small milch animals or 1 large draught animal or 2 small draught animals per household irrespective of whether a household has lost a larger number of animals. (The loss is to be certified by the Competent Authority designated by the State Government). <p>Poultry:- Poultry @ 37/- per bird subject to a ceiling of assistance or Rs. 400/- per beneficiary household. The death of the poultry birds should be on account of a natural calamity.</p>

Sr. No.	ITEM	NORMS OF ASSISTANCE
		Note: - Relief under these norms is not eligible if the assistance is available from any other Government Scheme, e.g. loss of birds due to Avian Influenza or any other diseases for which the Department of Animal Husbandry has a separate scheme for compensating the poultry owners.
	ii) Provision of fodder/feed concentrates including water supply and medicines in cattle camps.	Large animals- Rs. 50/- per day. Small animals- Rs. 25/- per day. Period for providing relief will be as per assessment of the State Executive Committee (SEC) and recommendation of the Central Team. (In case of NDRF) consistent with estimates of cattle as per Livestock Census and subject to the certificate by the competent authority about the requirement of medicine and vaccine being calamity related.
	iii) Transport of fodder to cattle outside cattle camps.	As per actual, cost of transport, based on assessment of need by SEC and recommendation of the Central Team (in case of NDRF) consistent with estimates of cattle as per Livestock Census.
7.	FISHERY	
	i) Assistance to Fisherman for repair/ replacement of boats, nets – damaged or lost - Boat - Dugout-Canoe - Catamaran - Net (This assistance will not be provided if the beneficiary is eligible or has availed of any subsidy/assistance, for the instant calamity, under any other Government Scheme.)	Rs. 3,000/- for repair of partially damaged boats only. Rs. 1,500/- for repair of partially damaged net. Rs. 7,000/- for replacement of fully damaged boats. Rs. 1,850/- for replacement of fully damaged net.
	ii) Input subsidy for fish seed farm.	Rs. 6,000/- per hectare. (This assistance will not be provided if the beneficiary is eligible or has availed of any subsidy/assistance, for the instant calamity, under any other Government Scheme, except the one time subsidy provided under Scheme of Department of Animal; Husbandry, Dairying and Fisheries, Ministry of Agriculture.)
8	HANDICRAFTS/HANDLOOM—ASSISTANCE TO ARTISANS	
	i) For replacement of damaged tools/ equipment.	Rs. 3,000/- per artisan for equipments. - Subject to certification by the competent

Sr. No.	ITEM	NORMS OF ASSISTANCE
		authority designated by the Government about damage and its replacement.
	ii) For loss of raw material/ goods in process/ finished goods	Rs. 3,000/- per artisan for raw material. Subject to certification by the competent authority designated by the Government about loss and its replacement.
9	HOUSING	
	a) Fully damage/destroyed houses	
	i) Pucca House	Rs. 70,000/- per house
	ii) Kutcha House	Rs. 15,000/- per house
	b) Severely damaged house	
	i) Pucca House	Rs. 6,300/- per house
	ii) Kutcha House	Rs. 3,200/- per house

Illustrative list of activities identified as of an immediate nature.

1. Drinking Water Supply :

- i) Repair of damaged platforms of hand pumps/ring wells/ spring-tapped chambers/ public stand posts, cisterns.
- ii) Restoration of damaged stand posts including replacement of damaged pipe lengths with new pipe lengths, cleaning of clear water reservoir (to make it leak proof).
- iii) Repair of damaged pumping machines, leaking overhead reservoirs and water pumps including damaged intake-structure, approach gantries/jetties.

2. Roads :

- i) Filling up of braches and potholes, use of pipe for creating waterways, repair and stone pitching of embankments.
- ii) Repair of breached culverts.
- iii) Providing diversions to the damaged/washed out portions of bridges to restore immediate connectivity.
- iv) Temporary repair of approaches to bridges/embankments of bridges., repair of damaged railing bridges, repair of causeways to restore immediate connectivity, granular sub base, over damaged stretch or roads to restore traffic.

3. Irrigation :

- i) Immediate repair of damaged canal structures and earthen/masonry works of tanks and small reservoirs with the use of cement, sand and stones.
- ii) Repair of weak areas such as piping or rat holes in dam walls/ embankments.
- iii) Removal of vegetative material/building material/debris from canal and drainage system.

4. Health:

Repair of damaged approach roads, buildings and electrical lines of PHCs/ community Health Centres.

5. Community assets of Panchayat

- a) Repair of village internal roads.
 - b) Removal of debris from drainage/ sewerage lines.
 - c) Repair of internal water supply lines.
 - d) Repair of street lights.
 - e) Temporary repair of primary schools, Panchayat ghars, community halls, *anganwadi*, etc.
-

ANNEXURE : 14

General Terminology Used in Weather Bulletins

	(A). Intensity of Rainfall		Terminology Used
1	0.1.mm to 2.4 mm	(24 hrs)	Very light rain
2	2.5 mm to 7.5 mm	"	Light rain.
3	7.6 mm to 34.9 mm	"	Light to Moderate rain
4	35.0 mm to 64.9 mm	"	Moderate rain
5	65.0 mm to 124.9mm	"	Heavy rain
6	Exceeding 125 mm	"	Very Heavy rain.

(B) Special distribution of weather phenomenon.

	Percentage Area Covered	Terminology Used
1	1 to 25	Isolated
2	26 to 50	Few Places
3	51 to 75	Many Places
4	76 to 100	At most Places

(C) Emergency Situation

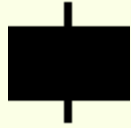

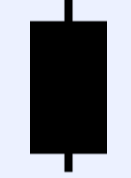
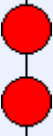

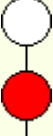



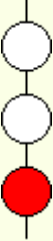


1. When water level is rising above the danger of H.F.L
2. When intensity of rainfall is above 65 mm /hr
3. When breaches are anticipated and may lead to disaster.
4. When water levels are rising alarmingly.



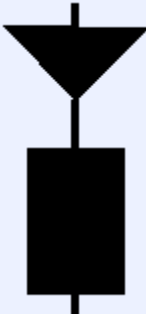

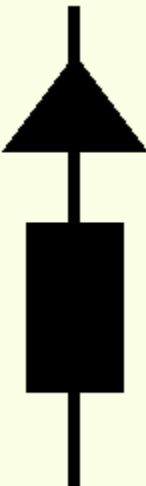



(D) Evacuation



- (1) White Signal - Alert condition
- (2) Blue Signal - Ready for Evacuation
- (3) Red Signal - Immediate Evacuation.

ANNEXURE : 15

PORT STORM WARNING SIGNALS

SIGNAL NUMBER	DAY SIGNAL	NIGHT SIGNAL	MEANING
1			DISTANT CAUTIONARY <i>(There is a region of squally weather in which a storm may be forming.)</i>
2			DISTANT WARNING (A storm has formed.)
3			LOCAL CAUTIONARY (The port is threatened by squally weather.)
4			LOCAL WARNING (The port is threatened by a storm but it does not appear that the danger is as yet sufficiently great to justify extreme measures of precaution.)
5			DANGER (The port will experience severe weather from a cyclone expected to move keeping the port to the left of its track.)
6			DANGER (The port will experience severe weather from a cyclone expected to move keeping the port to the right of its track.)

<p>7</p>			<p style="text-align: center;">DANGER</p> <p>(The port will experience severe weather from a cyclone expected to move over or close to the port.)</p>
<p>8</p>			<p style="text-align: center;">GREAT DANGER</p> <p>(The port will experience severe weather from a severe cyclone expected to move keeping the port to the left of its track.)</p>
<p>9</p>			<p style="text-align: center;">GREAT DANGER</p> <p>(The port will experience severe weather from a severe cyclone expected to move keeping the port to the right of its track.)</p>
<p>10</p>			<p style="text-align: center;">GREAT DANGER</p> <p>(The port will experience severe weather from a severe cyclone expected to move over or close to the port.)</p>

<p>11</p>	 A black inverted triangle with a vertical line extending upwards from its top vertex and another vertical line extending downwards from its bottom vertex.	 A solid red circle with a vertical line extending upwards from its top and another vertical line extending downwards from its bottom.	<p>FAILURE OF COMMUNICATIONS (Communications with the Meteorological Warning center have broken down and the local officer considers that there is danger of bad weather.)</p>
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ANNEXURE : 16**Emergency Contact Directory****1. UT Administration of Daman & Diu.**

No.	Department	Phone	Fax
1.	Ministry of Home Affairs, New Delhi	011 23092923 011 23093054 011 23092885 011 23093897	011-23092763 011-23093750
2	Hon'ble Administrator, DD& DNH	0260-2230770 2230700	0260- 2230775
3.	Finance Sec, DD	0260-2231453	0260-2230771
4	Development Commissioner	0260-2230726	0260-2230550
5	Sec. Revenue Dept. DD	0260-2230726	0260-2230550
6	Sec. Health , Daman & Diu	0260-2230726	0260-2230550
7	Director Health & Medical PHC, Moti Daman	(O)- 2230470 2230518 (R)- 2254604	
8	Sec. Home Dept, Daman & Diu	0260-2230770 2230700	0260- 2230775
9.	IGP, Police	0260-2220140	0260-2220076
10	Sec. Information Dept	0260-2230088	0260-2231170
11	Sec. Transport Dept.	0260-2230698	
12	Sec. Civil Supply Dept	0260-2230698	
13	Collector Office (Daman)	0260-2230698	0260-2230689
14	Dy. Collector	0260-2231771	0260-2230689
15	Mamlatdar	(O)- 2230861 (R)- 2242522 (M) 9904411366	
16	Social Welfare Officer, Collectorate, Daman	2230854	
	Asst. Director Transport	(O) 2255140 (R) 2260766 (M) 9879125949	
17	Superintending Engineer PWD	0260-2230926 2230422	

No.	Department	Phone	Fax
18	Executive Engineer (Electrical)	(O)- 2240745 2255103 (R) 2992463 2261486 (M)- 94269820323	
19	DCF Office, Fort Area	2230974 2230978	
20	Fire	0260-2244060, 101 2241101, 2242666, 2241666	0260-2244111
21	Civil Supply	0260-2230698 2230049	0260-2230689
22	Port	0260-2230615 (M) 9825735098	
23	Fisheries	0260-2255166 2230879 (R)- 2262915 (M)9824123816	
24	Member Secretary, Pollution Control. Committee, Daman.	2230975	
25	CIF&B, Labour Department, Daman	(O) 2254091 (R) 2231116	
26	Coastguard	0260-2260665 2260685	0260-2261004
27	Forest	0260-2230978	
28	Suptd. Customs, Opp. Labour Dept., Nani Daman	2254674	
29	CEO Panchayat/ Project Director RDA	2230440 2231059 2230782	
30	Chief Officer DMC	2230666	
Other Important Agencies			
1	Meteorological Observator	2260862	
2	All India Radio, Aakashwani Kendra Daman	2243316 2243379	
3	Commanding Officer, Coast Guard Air Station	2260865 2260858 (R) 2261004	
4	JTO, Telephone Exchange	2260888 2261777	

No.	Department	Phone	Fax
		2250000 2263000	
5	Principal, Navodaya Vidyalay	2262903	
7	President, Daman Cricket Association	2220401	
8	President, Daman Sports Club	2230470	
9	President, Matsya Udyog Vividh Karyakari Samiti, Nani Daman Jetty	2255013	
10	President, Daman Industries Association, Somnath, Daman	2221171 2220571	

O = Office Number.

R = Residence Number.

M = Mobile Number.

SPECIFIC CONTACT DETAIL OF DIU DISTRICT

Sr. No.	Govt. Agency	Telephone/Fax Number		
		Office	Resi.	Fax
A	Important Agencies			
	Collector	252111 252444	252222 252176	252333
	Executive Engineer, PWD	252294 252128	252315	-
	Chief of Police	252133	252355	253633
	Mamlatdar	252145	252137	-
	Asst. Engineer (Electrical)	252157	252357	--
	Port Officer	252263	271004	--
	Range Forest Officer	252485	-	252485
B	Commanding Authority			
	Indian Navy, Subhas Nagar Porbandar	2240954	-	2240933
	Coast Guard			
	1. Birla Factory Road, Porbandar. (0286)	2241793 2240958 2244056	2244234	2210559

	2. Coast Guard Station, Okha (02892)	262259	-	263421
	3. Coast Guard Station Jakhau (02831)	286433	--	286432
	4. Coast Guard Station Vadinar (02833)	256560	--	256560
	5. Coast Guard Region (West) Mumbai (022)	24301455 24333727	--	24333727
C	Local Bodies			
	Diu Nagrik Samitee,	252181	-	-
	Diu Sports Council	252181	252381	
	Macchimar Macchi Kalyan Mandal	-	253890	-
	Vishwas Fisherises Society	-	252305	-
	Mahasagar Fisheries Cooperative Soc.	-	271368	-
	Khandan Yuva Mandal C/O Narsibhai	251309	-	-
	Sagar Samrat Yuvak Mandal C/O Chunnabhai	251309	-	-
	NSS	252158	-	-
	NCC	252158	-	-
	Scout & Guides	252158	-	-
D	Other Important Agency			
	Collector, Junagarh	2650202	2650203	2651332

2. Govt. of India (Home Ministry)

Sr. no.	Designation	Office	Resi.	Mobile
1	Home Minister	011-23092462 011-23017256	-	-
2	Home Secretary	011-23092989 011-23093031 23093003 (F)	23013058	-
3	Secretary (BM)	011-23092440 23092717 (F)	24602518	-
4	Joint Secretary (DM)	011-24638206 24610906 (F)	24103663	-
5	Director (DM-1)	011-24642853	26266708	Director (DM-1)
6	Dy. Secretary (NDM-III)	011-24642381	26117043	Dy. Secretary (NDM-III)
7	Director (NDM-IV)	011-24622543	-	-
8	Under Secretary (NDM-III)	011-24642380 24640391	-	-
9	Under Secretary (NDM-IV)	011-24640391		
10	T.O.	011-24642379	-	-
11	National Seismic Advisor	011-23702442	-	9818997029
12	Consultant NDM	011-24642379	-	-

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1	Dr. A.V. Tyagi	D.G.M., New Delhi	011-24611842	24633692	24611792
2	Dr. C.V.V. Bhadram	D.D.G.M.(C.W.) New Delhi-3	011-24611068	24644937	24619167
3	R.S. Dattatreyan	Director (Seismo)	011-24611305	2622827	
4	Surya Bali Jaiswar	D.D.G.M.(Seismo) New Delhi-3	011-24629770	24648067	24629770
5	A.K. Shukla	Director (EREC) New Delhi-3	011-24619943	24634714	
6	S.B. Yadav	Director (C.W.C) New Delhi	011-24631913, 24629798	26196225	24643128 246266815

Sr. No.	Name	Designation	Office	Resi.	Fax
7	B.K. Bandopadhyay	Director (N.H.A.C.) Delhi	011-24619167		246110068
8	Dr. R.D. Vashisth	D.D.G.M. (SI) Pune	020-25535411	27442954	25533201
9	Dr. R. P. Samui	DDGM (ag.) Pune	020-25533420	25535953	
10	Dr. R. V. Sharma	D.D.G.M. (RMC Mumbai-5)	022-22150517	22150517	22150517
11	M.S.Tomar	Dir. Meteorology Center Ahmedabad	22865165 (M)9978406424	26852615	22865449
11	M.S.Tomar	Dir. Meteorology Center Ahmedabad	22865165 (M)9978406424	26852615	22865449
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ANNEXURE : 17

BIBLIOGRAPHY

1. Sample Resource material for natural Disaster Mitigation and Preparedness NDMD
Ministry of Home Affairs
Govt. of India
2. Material on pre-cyclone preparedness and disaster preparedness including contingency action plan for natural calamities prepared by Ministry of Agriculture, Government of India. Office of Director of Relief, Revenue Department, Government of Gujarat, 1995.
3. Sardar Patel Institute of Public Administration Government of Gujarat
4. Contingency Action Plan for Natural Calamities Ministry of Agriculture
Deptt. Of Agriculture & Cooperation, S.R.
Division December – 1993.
5. Training Workshop on Earth Quake Disaster Mitigation. National Centre for Disaster Management, Indian Institute of Public Administration, New Delhi
6. Training Programme on Floods & Landslides Management National Centre for Disaster Management, Indian Institute of Public Administration, New Delhi.
7. Pre-Cyclone exercise Government of India,
Meteorological Deptt., Pune.
8. National Disaster Management Health Manual (Gujarat State) National District Management Cell, Sardar Patel Inst. Public Admn.

- Opp. ISRO, Satellite Road,
Ahmedabad.
9. Imperative in Natural Disaster Reduction
National District Management
Cell, Sardar Patel Inst. Public Admn
Opp. ISRO, Satellite Road,
Admedabad.
10. Medical Relief in Flood Situation
(Contingency Plan) Disaster Management
Cyclone, Disaster Mitigation, Emergency
Preparedness for transportation Hazards
(Mock drill at Vishakhapattnam)
National District Management-
Cell, Sardar
Patel Inst. Public Admn.
Opp. ISRO, Satellite
Road, Admedabad.
11. Hazards of Cyclone
Office of the Deputy
Director General of Meteorology,
Weather for.
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