



GOVERNMENT OF PUDUCHERRY

STATE DISASTER MANAGEMENT PLAN



VOLUME – II

DEPARTMENT OF REVENUE AND DISASTER MANAGEMENT

Table of Contents

1	Action Plan for Earthquake	1
1.1	Introduction	1
1.2	Declaration of earthquake disaster	1
1.3	Institutional mechanism of the UT Government to respond to earthquake disaster.....	1
1.4	Trigger mechanism on receiving the report of occurrence of an earthquake	2
1.5	Response mechanism of the concerned line departments along with the roles and responsibilities of each one of them	2
1.5.1	Information and reporting:	2
1.5.2	Restoration of lines of communications and essential services to facilitate emergency response	4
1.5.3	Search, Rescue and Medical assistance	4
1.5.4	Emergency Relief (shelter, food, clothing, etc.).....	4
1.5.5	Task & Responsibility Matrix for Emergency Response Phase (First 72 Hours of the Incident).....	5
1.6	Immediate relief to be provided to the affected population.....	11
1.6.1	Short-Term Relief Measures	11
1.6.2	Interim Relief Measures	11
1.6.3	Assessment of Damage / Loss and Relief needs	12
2	Action Plan for Cyclone	13
2.1	Introduction	13
2.2	Associated Authority	13
2.3	Disaster Declaration	13
2.4	Stage warning system for Cyclones.....	13
2.5	Warning Dissemination process	14
2.6	Plan Activation	14
2.7	Roles and Responsibility	15
2.8	Immediate relief to be provided to the affected population.....	31
2.8.1	Short-term Relief Measures.....	31
2.8.2	Interim Relief Measures	32
2.8.3	Assessment of Damage/Loss and Relief needs	32
3	Action Plan for Tsunami.....	35
3.1	Introduction	35
3.2	Associated Authority	35
3.3	Disaster Declaration	35
3.4	Early Warning	35

3.5	Plan Activation	37
3.6	Roles and Responsibility	38
3.7	Relief Measures	51
3.7.1	Short-term relief measures.....	51
3.7.2	Interim Relief Measures	51
3.7.3	Assessment of Damage/Loss and Relief needs	52
4	Action Plan for Flood	54
4.1	Introduction	54
4.2	Declaration of Flood Disaster.....	54
4.3	Flood Forecasting and Warning	54
4.3.1	Community based flood forecasting and warning systems	55
4.3.2	Involvement of communities in data collection and local flood warning systems	56
4.3.3	Procedure for disseminating warnings to remote areas	56
4.4	Trigger Mechanism: Plan Activation	57
4.5	Roles and Responsibilities.....	57
4.6	Relief	58
4.6.1	Short-term relief measures.....	58
4.6.2	Interim Relief Measures	59
4.6.3	Assessment of Damage/Loss and Relief needs	60
5	Action Plan for Nuclear & Radiological Emergencies	61
5.1	Introduction	61
5.2	Scope of the Action Plan	61
5.3	Nuclear and Radiological Emergency/Disaster Scenarios	61
5.4	Authority.....	62
5.5	Regulatory Body.....	62
5.6	Trigger Mechanism	63
5.6.1	Line of Communication and Responsibility for the State	63
5.7	Response Mechanism	64
5.7.1	Emergency at Nuclear Facility	64
6	Action Plan for Industrial (Chemical) Disasters.....	65
6.1	Introduction	65
6.1.1	Background.....	65
6.1.2	Sources of Chemical Disaster.....	65
6.1.3	Causative Factors Leading to Chemical Disasters.....	65
6.1.4	Initiators of Chemical Accidents	65
6.2	Authority.....	66
6.3	Flow of Information (Communication)	66

6.4	Regulatory Framework	67
6.5	Trigger Mechanism for Industrial (Chemical) Disasters	67
6.6	Response for Industrial (Chemical) Disasters	68
6.6.1	Response to Off-site emergency.....	68
6.7	Responsibilities after the disaster	73
Annexure-1	.....	75
	Details of ESF leader / QRTs.....	75
Annexure-2	.....	76
	ESF WISE TEAM DETAILS	76
Annexure 3	.....	131
	Location of the Emergency Response Centres (ERCs) established by BARC	131
Annexure 4	.....	132
	Suggested Radius of Inner Cordoned Area (Safety Perimeter) for Radiological Emergencies (IAEA-EPR-FIRST RESPONDERS 2006)	132
Annexure 5	.....	133
	Technical Specifications of Instruments	133
Annexure 6	.....	134
	Dose Limits.....	134
Annexure 7	.....	135
	List of Relevant Statutes on Management of Hazardous Substances	135
7	MAHE REGION - ESF / QRT CONTACT DETAILS.....	137
8	YANAM REGION – ESF / QRT CONTACT DETAILS	153
9	KARAIKAL DISTRICT ESF LEADERS.....	169
10	KARAIKAL ESF WISE TEAM DETAILS	170

1 Action Plan for Earthquake

1.1 Introduction

The Earthquake Vulnerability Atlas of India reveals that Puducherry, Karaikal, Mahe and Yanam regions have been classified as a multi-hazard prone area and falls in earthquake zone III, moderate damage risk zone (MSK VII). Though Puducherry does not have any history of damaging earthquake events, with a view to minimize the adverse impacts of earthquakes if it occurs in the future, this Chapter focuses on the Action Plan of the UT Government to manage earthquake disaster after its occurrence.

The Action Plan will consist of the following five activities:

- 1 Declaration of earthquake disaster
- 2 Institutional mechanism of the State Government to respond to earthquake disaster
- 3 Trigger mechanism on receiving the report of occurrence of an earthquake
- 4 Response mechanism of the concerned line departments along with the roles and responsibilities of each one of them and
- 5 Immediate relief to be provided to the affected population

1.2 Declaration of earthquake disaster

The Government of Puducherry shall declare any area where earthquake has occurred as disaster affected area on the recommendations of the Relief and Rehabilitation Commissioner or the District Collector. The purpose of declaration of disaster is to organize effective response and mitigating the earthquake effects. Such a declaration provides wide powers and responsibilities to the Relief and Rehabilitation Commissioner and the District Collectors in order to handle the incident effectively.

1.3 Institutional mechanism of the UT Government to respond to earthquake disaster

The focus of the government includes earthquake risk reduction, mitigation and preparedness also, along with response & relief.

The Department of Revenue and Disaster Management, Puducherry is primarily responsible for emergency response and relief in the UT, while the Union territory of Puducherry Disaster Management Authority (UTPDMA) is designated as the nodal agency for formulation of policies, long term planning, coordination and monitoring body for mitigation, reduction and preparedness for disasters in the State.

The institutional mechanism established in the State for management of disasters is given in Chapter 1 of Vol. 1. The composition of the Emergency Support Function (ESF) along with its staff structure is placed at Annexure-1.

1.4 Trigger mechanism on receiving the report of occurrence of an earthquake

An earthquake of magnitude 5 or more is likely to cause deaths and injuries to human beings and damage to all kinds of property, both private and public. Unfortunately there is very little warning available before the earthquake. Therefore planning should cater for a quick response at all levels to reduce the effects of the earthquake to the minimum.

The Department of Revenue and Disaster Management, Puducherry will be the nodal department for formulating, controlling, monitoring and directing measures for earthquake preparedness, organizing rescue, relief and rehabilitation. All other concerned departments shall extend full cooperation in all matters pertaining to the management of the earthquake disaster whenever it occurs.

The occurrence of an earthquake may be reported by the Indian Meteorological Department (IMD) / INCOIS to the Relief and Rehabilitation Commissioner by the fastest means. The State Executive Committee (SEC) under the chairmanship of the Chief Secretary should be activated immediately on the occurrence of any major earthquake.

On receipt of the information, the SEOC verifies the authenticity of the reports and will inform the real situation to concerned authorities. The UT government may, by notification published in the official gazette and in any one or more news papers having widest circulation in the area, declare such area to be disaster affected area.

1.5 Response mechanism of the concerned line departments along with the roles and responsibilities of each one of them

1.5.1 Information and reporting:

- The agencies who provide information to the SEOC about the occurrence of an earthquake in the State are as shown below:
 - IMD, Chennai / New Delhi
 - INCOIS, Hyderabad
 - EOC
- The SEOC should be activated for emergency response on the occurrence of any major earthquake. The SEOC should initiate following activities:

- 1 State EOC should report the occurrence of a major earthquake to the following:
 - Relief and Rehabilitation Commissioner
 - Secretary (Revenue)
 - Union territory of Puducherry Disaster Management Authority
 - Chief Secretary of the UT
 - All ESF Team Leaders
 - Members of State Executive Committee
 - Chief Minister
 - DDMA's
 - National Disaster Management EOC at MHA, GoI
 - Vice Chairman, National Disaster Management Authority (NDMA)
 - Secretary, MHA
 - 2 State EOC to alert state search and rescue machinery for emergency response as also fire brigade personnel (ESF 4, 14).
 - 3 State EOC to verify the authenticity of the information from authorized scientific agencies as well as district and Taluk control rooms.
 - 4 State EOC to contact its regular and emergency staff to report immediately.
 - 5 All ESF Team Leaders to be contacted to be available in the EOC immediately.
 - 6 State EOC to remain in constant touch with control rooms at national district and Taluk level.
 - 7 Overall management of state EOC shall be taken over by the Relief and Rehabilitation Commissioner.
- On receipt of information, RRC to:
 - ❖ Contact all ESF Team Leaders to inform them about the venue and time of first meeting (chaired by Chief Secretary) to assess the situation and decide the course of action to be adopted by the government
 - ❖ Issue instructions to all departments to ensure that all government employees to report for duty immediately in order to execute their responsibilities as mentioned in their departmental Earthquake Management Plan.
 - ❖ Instruct all line departments to ensure their duty officers to remain available round the clock in state EOC with full updated information of the activities of their departments.
 - ❖ Prepare and submit daily situation report to Government of India, Chief Secretary, Secretary (Revenue), UT of Puducherry Disaster Management Authority, District Collectors, etc.
 - ❖ If necessary depute Senior level officers to worst affected areas for effective implementation and supervision of Relief Operation.
 - ❖ Mobilize additional manpower from the departments to the affected district / taluks for supporting the Relief Operation. They should be provided DM action Plans prepared earlier.

- Management of Media (Press/TV Channels/Government Press Notes) to be carried out by the Secretary (Information & Publicity) with special emphasis on rumour control.

1.5.2 Restoration of lines of communications and essential services to facilitate emergency response

- Establishment of Emergency Communication
- Restoration of Communication Links (Rail, Road & Air)
- Restoration of power and electricity
- Supply of safe drinking water
- Restoration of essential lifeline infrastructure

1.5.3 Search, Rescue and Medical assistance

- Identification of areas where SAR Teams to be deployed
- Coordination of SAR teams for their quick deployment in allotted areas
- Provision of quick transport of SAR teams to affected areas.
- The ESF – 7 (PWD) to evolve a mechanism for clearing access routes and debris in order to facilitate search and rescue operations.
- Mobilization of specialized equipments and machinery to affected areas.
- Cordoning of affected areas with control of entry and exit.
- Traffic Management by establishment of traffic points and check-posts.
- The Home Department to evolve a mechanism for providing security of properties of Government and public in the affected areas.
- Setting up of field hospitals in the affected areas and deployment of mobile hospitals.
- Arrangements to be made for quick transportation of injured victims to the hospitals.
- Secretary (Health) to evolve a mechanism for speedy treatment of casualties.

1.5.4 Emergency Relief (shelter, food, clothing, etc.)

- (a) Establishment of Temporary shelters for evacuees.
- (b) Ensuring provision of essential services as under:
 - ❖ Arrangement for food, clothing, blanket/bedding, drinking water, sanitation and hygiene, lighting arrangements and essential medicines.
 - ❖ Deployment of mobile hospitals in affected areas for treatment of victims
 - ❖ Providing counselling services to the earthquake victims and their relatives.
- (c) Arrangement for providing transport facility to send dead bodies of non- locals to their natives. The administration should also ensure Law and Order during shifting of the dead bodies.

- (d) Ensure establishment of communication link between the affected people and their relatives outside.

A Task and Responsibility Matrix for Emergency Response Phase (first 72 Hours of the incident) is given below.

1.5.5 Task & Responsibility Matrix for Emergency Response Phase (First 72 Hours of the Incident)

Time Frame	Sl. No.	Task	Responsibility
0 + 15 Minutes	1	Report the occurrence of earthquake to Chief Secretary RRC, District Collectors, All ESF Team Leaders, and Chief Minister's Office and National Disaster Management EOC at MHA, GoI	Tahsildar (SEOC)
0 + 30 Minutes	2	Establish communication link by activating alternate communication equipment i.e. satellite phone, / VHF set, etc. in State / District EOCs and Taluk control rooms	Tahsildar (SEOC)
	3	Instruct deployment of Mobile Emergency communication Units to affected areas for establishing communication link	RRC
	4	Verify the authenticity of the incident from agencies like IMD, INCOIS and also from District / Taluk control rooms, Police and Fire Brigade control rooms	Tahsildar (SEOC)
	5	In case of L-2 level event, overall management of SEOC shall be taken over by RRC	RRC
	6	Instruct duty officers of line departments to report in SEOC	RRC
	7	Hold first meeting with duty officers	RRC
	8	Contact all ESF Team Leaders including the Information & Publicity Department to reach SEOC	RRC
	9	Alert ESFs and QRTs for quick mobilization to affected areas	RRC

	10	Request for the services of NDRF and Armed forces, if required through designated representative	RRC
0 + 1 Hour	11	Instruct both regular and emergency staff of EOC to report for duty	RRC
	12	Dispatch of Search & Rescue teams to the affected areas	RRC
	13	Instruct Quick Assessment Task Force to submit preliminary need and loss assessment report of the affected areas	RRC
	14	Alert Quick Medical Response Teams to the affected areas	RRC
	15	Make arrangements for aerial survey of the affected areas	RRC
	16	Instruct local administration to evacuate victims to safer sites	RRC
	17	Contact Chief Secretary for deciding on time and venue for holding SEC meeting at the earliest	RRC
	18	Inform all members of SEC to attend SEC meeting in designated venue to assess situation and review emergency measures	RRC
	19	Instruct concerned authorities or Agencies to shut down critical operations	RRC
	20	Contact BISAG, NSRA, ISRO and Ministry of Defence for aerial / satellite imageries of the affected areas	RRC
0 + 2 Hours	21	Inform GAD to ensure all State Government employees report for emergency duties within half an hour	RRC
	22	SEC to assess situation, delegate responsibilities for organizing rescue and relief operations	CS
	23	Senior State level officers to be deputed to the	CS

	affected areas	
24	Activate ESF for Emergency Response Operation	RRC
25	Assess the conditions of road, rail and air communication link for quick mobilization of Emergency Teams and resources to affected areas and take follow up actions	Secretaries of Transport, PWD and RRC
26	Director (I & P) to establish media management / information cell for public information, guidance and rumor control	RRC
27	Request may be made for assistance from Central Government (MHA and MOD) if required	RRC
28	Request the nearest NDRF, Coast Guard, headquarters of the Armed Forces to render assistance in emergency search, rescue and relief operations	RRC
29	Contact private / public sector agencies in the UT to assist in emergency rescue and relief operations	RRC
30	Inform Secretaries of the departments to provide necessary logistics support to emergency operation task forces	RRC
31	If necessary, assistance may be asked from neighboring states and outside agencies	RRC
32	Set up separate desks for each operation task force and emergency operations NGO coordination desk in the SEOC for coordinating emergency operations	RRC
33	Provide security in affected areas and maintain law and order situation	SSP(L&O)
34	Mobilize Medical First Response Teams to affected areas	Director, Health
35	Mobilize SAR Teams and search & rescue equipment and machinery to affected areas	ESF 4,14

	36	Instruct district information officers to establish information centre near affected areas to provide guidance to volunteers and aid agencies	RRC / Director - I & P Dept
0 + 3 Hours	37	Make suitable transportation arrangement for mobilization of quick response teams to the affected areas	ESF-5
	38	Maintain constant touch with the National / District and Taluk EOCs	RRC and SEOC
	39	Establish Press / Media Centre for media management and information dissemination	Director, Information & Publicity
	40	Arrange for press / media release for rumour control and public information and guidance	Secretary I & P and RRC
	41	Alert all major hospitals to make necessary arrangement for treatment of injured	Director, Health Department
0 + 6 Hours	42	Establish relief coordination centre at the airport, railway station, etc. for arrival of Search @ Rescue and Medical Teams coming for humanitarian aid	RRC
	43	Establish central relief coordination centre nearer to UT Head Quarter	RRC
	44	Instruct to cordon affected areas and setting up of check posts to control entry and exit	SSP(L&O)
	45	Open access routes and manage traffic for mobilization of equipment, machinery and volunteers to the affected areas	Director, Social Welfare Department
	46	Conduct aerial survey and also mobilize quick assessment teams to affected areas	RRC / Leader of Quick Assessment Task Force
	47	Establish information centres at the arrival and departure points especially at the airports, railway stations and interstate bus terminus	Director I &
0 + 12 Hours	48	Mobilize relief materials i.e. tents, food materials,	RRC / DM / Line

		water, essential medicines, blankets, etc. to the affected districts and taluks	Departments
	49	Arrange to shift evacuated persons to temporary shelters and ensure provision of food, water facilities, blankets and storage of relief materials	Transport Commissioner, Director Civil Supplies and Consumer affairs
	50	Arrange road, rail and air transport at State / District headquarters for dispatch of relief materials to the affected areas	Transport commissioner
	51	Set up field hospitals near the affected areas	Director, Health
	52	Arrange to shift injured persons to field hospitals	Director, Health
	53	Instruct district collectors to establish relief coordination centre and godowns near affected area and provide full security cover as well	RRC / Director, Civil Supplies
	54	Prepare quick need assessment report for planning of relief operation and mobilization of resources to the affected areas	RRC / DM
0 + 24 Hours	55	Instruct to set up Coordination Centres at the Resident Commissioner's Office in New Delhi.	RRC
	56	Hold review meetings with Duty Officers in every 12 hours	RRC
	57	Prepare and circulate the situation report	Tahsildar (SEOC)
	58	Prepare press notes twice a day	RRC/Director Dept. of Information & Publicity
	59	Depute additional officers and supporting staff to affected areas from non-affected areas	RRC
	60	Restore essential services i.e. power, water supply, telecommunication facilities of SEOC,	ESFs 11 and 12

		headquarter, AIR, Doordarshan, Governor, Chief Minister, senior officials of the State bureaucracy on priority basis	
	61	Coordinate with Firka level Task Forces mobilized to the affected areas	Tahsildar (SEOC)
0 + 48 Hours	62	Ensure safety and security of personnel deputed in affected areas for emergency response operation	SSP(L&O)
	63	Earmark storage point for medical supplies at affected sites	Director, Health
	64	Arrange for identification, photograph, post mortem and maintenance of records for disposal of dead bodies	DRDM/Health Department
	65	Arrange information centre at shelter site for maintaining records of victims and to provide guidance to relatives, NGOs, etc.	RRC
	66	Arrange for complaints regarding missing persons and initiate search in shelters, hospitals and police records	DRDM RRC
	67	Arrange for SDMs empowerment for waiving off post mortem of dead bodies	DRDM/UTPDMA
	68	Arrange for additional manpower if necessary for disposal of dead bodies	DRDM/UTPDMA
	69	Arrange for transportation of dead bodies to their native places if so required	Transport Commissioner and Director, Health
0 + 72 Hours	70	Arrange for disposal of unidentified and unclaimed dead bodies	RRC/DRDM
	71	Arrange for transportation of injured from field hospitals to base hospitals	Director Health & Transport Department
	72	Activate short and interim relief measures	RRC / Line Dept.

	73	Arrange for distribution of cash doles to the victims	RRC
--	----	---	-----

1.6 Immediate relief to be provided to the affected population

1.6.1 Short-Term Relief Measures

1. Provide temporary shelter to affected people
2. Evacuation site should be safe, and easily accessible.
3. Continue to provide essential services to the affected people i.e. food, water, clothing, sanitation and medical assistance

The RRC to ensure the following in the relief camps:

- Special emphasis on Hygiene and sanitation aspects should be given in relief camp sites.
- Separate area should be earmarked within the relief camp for storage of relief materials.
- Adequate manpower and transport facilities for the camp site.
- Arrangements to be made for trauma management.
- Mobile medical units to be sent to remote areas with a view to provide medical assistance to the victims/injured.
- Information centre should be established by the administration.

1.6.2 Interim Relief Measures

- Arrangements to be made for identification and maintenance of the records of disposal of dead bodies in the affected areas.
- Arrangements to be made to record the complaints of all persons reported missing. Follow up action in terms of verification of the report also needs to be made.
- Sub-divisional magistrates to be empowered to exempt the requirement of post-mortem in case of mass casualties. Revenue Department may depute additional SDMs to expedite disposal of the dead bodies.
- Unclaimed/unidentified dead bodies to be disposed off at the earliest after keeping their records.
- Additional manpower to be deployed in the affected areas for supplementing the efforts of the local administration.
- Separate Cell to be established at state/district/Taluk level to coordinate with the NGOs and outside donor/aid agencies.
- Regular meetings of the different stakeholders/departments should be organized at state level for sharing of information, developing strategies for relief operations.

- Department of Information & Publicity to coordinate with the media to play a positive role in disseminating appropriate information to public and the government in order to facilitate the speedy recovery.

1.6.3 Assessment of Damage / Loss and Relief needs

- The RRC to issue instructions on assessment of disaster .
- Adequate manpower, vehicles, stationery etc should be provided to supplement the efforts for need/loss assessment.
- Identification and demolition of dangerous structures in the affected areas to minimize further loss of life and injuries.
- Arrangements for debris removal and its appropriate disposal.
- Arrangements for distribution of gratuitous relief and cash doles.
- Arrangements to be made for survey of human loss and distribution of exgratia relief to the families of deceased persons.
- Teams to be formed and dispatched to the affected areas for detailed assessment of damaged houses and property assessment.
- As reconstruction of houses will take a long period, arrangements to be made to provide interim shelters to the affected
- Identification of the site for interim shelter
- Allocation of areas to the affected families
- Providing essential services at the interim shelter sites such as water, power, drainage / sanitation, PDS shops, etc.
- Distribution of shelter materials to affected families

2 Action Plan for Cyclone

2.1 Introduction

The UT of Puducherry comes in the region of tropical cyclone with the coast line of 45km which makes it highly vulnerable to cyclone and associated hazards. The associated hazards consist of floods, storm surges etc. Most of the cyclones that have affected the UT are generated in the Bay of Bengal. They travel towards northwest direction and hit the coast. The purpose of this action plan is to develop quick response at all levels to reduce the effects of cyclone with an effective coordinated way in the UT of Puducherry. This document envisages brief actions from the issuing of the warning till the immediate relief/actions.

2.2 Associated Authority

The Nodal Department for controlling, monitoring and directing measures for organizing rescue, relief and rehabilitation is the Department of Revenue and Disaster Management, Puducherry. All other concerned Departments should extend full cooperation in all matters pertaining to the management of the Cyclone disaster whenever it occurs. The Departments like Revenue, Home including Transport, Ports, Fisheries, Power, Finance, Information and Publicity etc. shall have a major role in emergency response during occurrence of Cyclone.

2.3 Disaster Declaration

The Government of Puducherry shall declare any area where Cyclone has hit as disaster affected area on the recommendations of the State Executive Committee. The purpose of declaration of disaster is to organize effective response and mitigating the Cyclone effects. Such a declaration provides wide powers and responsibilities to the Relief and Rehabilitation Commissioner and the District Collectors in order to handle the incident effectively.

2.4 Stage warning system for Cyclones

1. Pre-Cyclone Watch

It is issued when a depression forms over the Bay of Bengal irrespective of its distance from the coast and is likely to affect Indian coast in future. Based on the IMD bulletin the pre-cyclone watch is issued by the State Emergency Operation Centre (SEOC) and is issued at least 72 hours in advance of the commencement of adverse weather. It is issued at least once a day based on the information received from IMD.

2. Cyclone Alert

It is issued at least 48 hours before the commencement of the bad weather when the cyclone is located beyond 500 Km from the coast. It is issued every three hours.

3. Cyclone Warning

It is issued at least 24 hours before the commencement of the bad weather when the cyclone is located within 500 Km from the coast. Information about time /place of landfall are indicated in the bulletin. Confidence in estimation increases as the cyclone comes closer to the coast.

4. Post landfall outlook

It is issued 12 hours before the cyclone landfall, when the cyclone is located within 200 Km from the coast. More accurate & specific information about time /place of landfall and associated bad weather indicated in the bulletin. In addition, the interior areas likely to be affected due to the cyclone are warned in this bulletin.

2.5 Warning Dissemination process

1. Cyclone/flood forecasting is generally the responsibility of the Indian Meteorological Department (IMD). IMD is the nodal agency for providing cyclone warning services. IMD's INSAT satellite based Cyclone Warning Dissemination System (CWDS) is one of the best currently in use in India to communicate cyclone warnings from IMD to community and important officials in areas likely to be affected directly and quickly.
2. After getting information from IMD, warning dissemination is a responsibility of State Emergency Operation Centre (SEOC) Government (RRC). The DRDM, Puducherry is responsible for disseminating cyclone warnings to the public and Line Departments.
3. On receiving an initial warning, the warning shall be disseminated to all Line Departments. Warning messages are transmitted through wireless to all districts / Regions, Line departments and Taluks. The Office of the District Collectors are provided with VHF sets to maintain effective communication, even if terrestrial and cell-phone communication fails.
4. The control rooms of the other line departments at the State level as well as district level also get the warnings. The control rooms are activated on receiving the warnings.

2.6 Plan Activation

The cyclone response structure will be activated on the receipt of cyclone warning by the Indian Meteorological Department (IMD). The occurrence of a cyclone may be reported by the IMD to the SEOC by the fastest means. The SEOC will activate all the Departments for emergency response including District EOC. The Incident Commander-cum-District Collector will issue instructions to include the following details:

- Alert the line department / ESF's to deploy resources (in terms of manpower, equipment and essential items from key dept. /stakeholders etc.,) as required.
- The type of assistance to be provided
- The time limit within which assistance is needed
- Details of other Task/Response Forces through which coordination should take place

The State EOC and other control rooms at the state level as well as district control rooms should be activated with full strength. The State Government may publish a notification in the official gazette, declaring such area to be disaster-affected area under Disaster Management Act 2005 upon recommendation by the District Collector or the State Executive Committee.

Once the situation is totally controlled and normalcy is restored, the RRC declares End of Emergency Response and issues instructions to withdraw the staff deployed in emergency duties.

2.7 Roles and Responsibility

Time Frame	Sl. No	Task	Responsibility	Activity
Time = 0 –72hrs	1	Warning receipt and dissemination	IMD, RRC, SEOC	<ul style="list-style-type: none"> • Tahsildar (SEOC) to report the generation of Cyclone in Bay of Bengal /Arabian Sea/Indian Ocean after getting information from IMD to following officials; <ul style="list-style-type: none"> ❖ RRC/DEOC ❖ Chief Secretary of the UT ❖ ESF Team Leaders ❖ Hon. Chief Minister ❖ All concerned District Collectors/Regional Administrators as well as Control Rooms of the district/s / regions likely to be affected as per preliminary warning of IMD. • Instruct all Collectors/RA (of the districts likely to be affected) to activate District EOC at full strength. • RRC / District Collector to alert all

				<p>ESF teams in the UT for deployment.</p> <ul style="list-style-type: none"> • Remain in constant touch with control rooms at National & State Level. • Instruct and alert all heads of departments of the key line departments to activate their departmental plan and SOPs for Cyclone response.
	2	Interdepartmental Coordination	RRC/DRDM	<ul style="list-style-type: none"> • Instruct all State government officers and employees in the State to report to their respective Head for emergency duties. • Alert the District Collectors of districts not likely to be affected to be prepared for providing: <ul style="list-style-type: none"> ❖ Additional manpower ❖ Additional resources ❖ Machinery & Equipment ❖ Relief material to the districts likely to be affected
	3	Establishment of lines of Communication	SSP(L&O) – ESF I	<ul style="list-style-type: none"> • Activate alternative communication equipments i.e. VHF set, in State EOC District and Taluk control rooms / line departments. • Establish communication links with QRT and Search & Rescue Teams and alert them to be in stage of readiness.
Time = 0 –48 Hrs	1	Review of situation and reporting	RRC	<ul style="list-style-type: none"> • Establish contact with IMD, CWC, ACWC, ISRO and the defence ministry of GoI for aerial / satellites imageries of the latest Cyclone threat. • Get the latest weather report from IMD/other international Web Sites to know the exact location of Cyclone and the likely area where landfall will take

				<p>place.</p> <ul style="list-style-type: none"> • After reviewing the weather report and satellite images issue instructions and orders for emergency response to areas likely to be affected.
2	Management of EOC, ESF Teams and Cyclone Response	RRC/DRDM		<ul style="list-style-type: none"> • Take over full command of State EOC and ESF Teams. • Instruct line departments to depute representatives at the State and District EOCs. • Hold a meeting with Nodal Officers of Firka –wise task forces and entrust them their tasks. • Ensure that Cyclone information is disseminated to all who are at risk • Arrange emergency meeting with SEC to device a plan of action.
		RRC		<ul style="list-style-type: none"> • Arrange dissemination of information through various means of communication such as Radio, TV, Cable Network, SMS about Cyclone warning to districts/areas which are likely to be hit by Cyclonic Storm.
		Transport Commissioner & SSP (L&O)		<ul style="list-style-type: none"> • Impose restriction on all transport activities heading towards coastal areas that are likely to be affected by Cyclone.
		RRC		<ul style="list-style-type: none"> • Alert following ESF teams to remain in readiness: <ul style="list-style-type: none"> ❖ Evacuation ❖ Emergency Medical Services ❖ Search and Rescue • Alert following emergency response

				<p>forces to remain in readiness:</p> <ul style="list-style-type: none"> ❖ Fire & Emergency Services ❖ NDRF ❖ Police, Home Guards ❖ State Reserve Police Force ❖ Army (if required) ❖ Air Force (if required)
	3	Cyclone response to coastal areas (likely to be affected)	DRDM., Transport Dept. and Commissioners of local bodies	<ul style="list-style-type: none"> • Based on the warning issued by IMD, pin point the districts and villages likely to be affected by Cyclone and start the procedure for identifying safe places/shelters for evacuation in those villages. • Village wise data of safe sheltering for evacuation available on DM Action Plan should be referred and the Director, Dept. of Women and Child Development (ESF 9) should be contacted to know the status of the shelters with the capacity of the shelter and other available facilities at the site. • Make transport arrangement for mobilization of all emergency response teams
			Ports & Fisheries Dept., DRDM	<ul style="list-style-type: none"> • Ensure arrangements are in place to evacuate fishermen if needed • Warning dissemination to fishermen.
			Tourism Dept.	<ul style="list-style-type: none"> • Ensure safety of tourists visiting beaches along the coastline.
			SSP(L&O)., Dist. Collectors,	<ul style="list-style-type: none"> • Cordoning off coastal areas for restricting entries of rail or road traffic. • Ensure law and order is maintained in areas likely to be affected.

			Line Depts.	<ul style="list-style-type: none"> • Ensure that all critical activities (mainly industrial production) in areas likely to be affected are shutdown.
			Education Dept.	<ul style="list-style-type: none"> • Ensure that the schools and colleges are closed in areas likely to be affected by Cyclone and associated hazards.
			Dist. Collector, Commissioners of local bodies, Information & Publicity Dept.	<ul style="list-style-type: none"> • Ensure dissemination of information to remote areas by local means. • Ensure that local help lines are opened and effectively managed for public information, guidance and rumour control. • Ensure that the information to public and media about the progress of Cyclone at periodic intervals is released.
			Concerned Dist. Collector, Commissioners of local bodies, Line Dept.	<ul style="list-style-type: none"> • Make arrangements for logistic support to all ESF teams.
			Health Dept.	<ul style="list-style-type: none"> • Health Department to activate their Departmental Cyclone Disaster Management Plan and Departmental SOPs for Management of casualties.
Time = 0 – 24 hrs	1	Review of situation and reporting	RRC	<ul style="list-style-type: none"> • Establish contact with IMD, CWC, ACWC, ISRO and the defence ministry of GoI for aerial / satellites imageries of the latest Cyclone threat. • After reviewing the weather report and satellite images issue instructions and orders for emergency response to areas

				likely to be affected areas.
			RRC, I&P Dept.	<ul style="list-style-type: none"> • Review and monitor following activities: <ul style="list-style-type: none"> ❖ Evacuation of people from coastal areas likely to be affected ❖ Positioning of Search and Rescue Teams ❖ Positioning of mobile communication units ❖ Positioning of quick medical response teams ❖ Mobilization of restoration teams of respective departments ❖ Requirement of armed forces in rescue and relief operations ❖ Dissemination of information to the vulnerable areas ❖ All preparedness measures to be taken by various authorities • Keep in touch with National, District and Taluk Control Rooms • Release information at appropriate time to media and public regarding response measures organized by the Government
	2	Emergency Response Management	RRC	<ul style="list-style-type: none"> • If reports regarding striking of Cyclone are confirmed by IMD and other sources, start the emergency response and relief operations.
			RRC, Dist. Collector	<ul style="list-style-type: none"> • Divert the emergency services to areas likely to be affected as per the warning issued by IMD.
			RRC,DRDM, Dist. Collector,	<ul style="list-style-type: none"> • Inform the public residing in areas likely to be affected to evacuate through various means such as SMS /

		Commissioners of local bodies,	VHFs, AIR, FM Radio, Doordarshan, etc. <ul style="list-style-type: none"> • Start evacuation from the likely affected areas through Police support, if necessary
		Coast Guard / Fisheries Department	<ul style="list-style-type: none"> • To account for the exact number of fishermen in the sea and fishermen who have already reached the shore
3	Emergency Relief Management	RRC/DRDM	<ul style="list-style-type: none"> • Ensure that the Relief Management work planned in the areas likely to be affected by the Cyclone are well organized.
		RRC, Civil Supplies Dept., DRDM. & Dist. Collectors, Commissioners of local bodies, PWD, Health Dept.	<ul style="list-style-type: none"> • Ensure that the arrangement for basic amenities(shown below) at evacuation/relief centres are made by the respective departments: <ul style="list-style-type: none"> ❖ Drinking water ❖ Food ❖ Clothing ❖ Sanitation and hygiene, ❖ Lighting ❖ Medicines and other Health Care
		RRC	<ul style="list-style-type: none"> • Inform following agencies to be in a state of readiness for assisting in the Cyclone response measures (if required): <ul style="list-style-type: none"> ❖ Public sector agencies ❖ Private sector agencies ❖ NGOs ❖ Community Based Organisation ❖ Volunteer Organizations
		RRC	<ul style="list-style-type: none"> • Request for help (if needed) to MHA/National Disaster Management

			Authority	
			Information & Publicity Dept.	<ul style="list-style-type: none"> Disseminate restriction on transportation.
Time = 0 Hrs	1	Disaster Declaration	RRC, Dist. Collector	<ul style="list-style-type: none"> When Cyclone makes a landfall, Cyclone affected Dist. Collectors should send a communication to the Govt. of Puducherry to declare the area as disaster affected, if necessary, (depending upon the nature and intensity of impact)
	2	Preliminary assessment, deployment of Quick response teams and information dissemination	Dist. Collector, Commissioners of local bodies	<ul style="list-style-type: none"> Dist. Collector/s should send teams to the affected areas to take stock of the effects of Cyclone and associated rain. District Collector/s should send sector wise situation reports to: <ul style="list-style-type: none"> ❖ SEC ❖ UTPDMA
			RRC Dist. Collector, Commissioners of local bodies	<ul style="list-style-type: none"> Deployment of following teams to Cyclone affected areas: <ul style="list-style-type: none"> ❖ Emergency Communication Teams ❖ Emergency Medical Services Teams ❖ Search and Rescue Teams (With Equipments) ❖ Preliminary damage Assessment Teams
			RRC, Dist. Collector, I&P Dept.	<ul style="list-style-type: none"> Establish communication link with affected district by activating alternate communication equipments such as satellite phones, VHF Sets, in State/District EOCs and Line Department, Coastal Villages. Arrange dissemination of information

				about occurrence of Cyclone and areas that are affected by it to Media & Public.
Time = 0 + 24 Hrs	1	Mobilization and Deployment	RRC, Dist. Collector, Commissioners of local bodies, Key line Dept.	<ul style="list-style-type: none"> • Remain in constant touch with IMD for updates on weather forecast for the coming hours and plan accordingly. • Immediate mobilization of following units/teams to areas affected by Cyclone and associated rains. <ul style="list-style-type: none"> ❖ S & R Teams of Fire and Emergency Services – ESF 4 ❖ Quick Medical Response Teams – ESF 2 ❖ Quick Damage & Loss Assessment Teams – ESF 8 ❖ Quick Need Assessment Teams - ESF 8 ❖ Road Clearance Teams - ESF 7 ❖ Teams for disposal of dead bodies - ESF 2 ❖ Teams for disposal of carcasses - ESF 2 ❖ Teams for debris clearance (if any) - ESF 8 ❖ Teams for maintaining Law & Order in the affected areas - ESF 15 ❖ Arrange for S & R teams of Air Force (If required)
	2	Measures for quick and organized response	RRC, Dist. Collectors, Commissioners of local bodies, Line Dept.	<ul style="list-style-type: none"> • State EOC, ESF Teams, the Collectors of the affected District/s Should ensure that adequate response activities are carried out immediately:
	a	Clearance of	CE,PWD. ,	<ul style="list-style-type: none"> • To ensure the access roads/routes

		access roads to reach at the sites of affected areas	Transport Dept., Railways, RRC	<p>leading to the affected areas and manage traffic for mobilization of equipments, machinery and volunteers.</p> <ul style="list-style-type: none"> • Identify alternate roads/routes for evacuation. • Undertake repairing/restoration of damaged roads leading to the affected areas. • Identify and declare unsafe buildings/structures in Cyclone affected areas. • Evacuate people from unsafe buildings/structures and shift them to relief camps/sites. • Divert/stop transport activities (Rail + Road) heading towards Cyclone affected areas.
	b	Necessary Arrangements at evacuation/ relief centres	DRDM., Civil Supplies Dept., Collectors, Commissioners of local bodies, PWD Dept., Health Dept., Electricity Dept., Local Authorities,	<ul style="list-style-type: none"> • ESF 9 to ensure that necessary arrangements at evacuation/relief centre is made with sufficient availability of: <ul style="list-style-type: none"> ❖ Food, ❖ Water, ❖ Blankets/Clothing ❖ Medicines ❖ Lighting ❖ Sanitation and hygiene etc. • To ensure necessary security arrangements for the personnel (Emergency responders/relief teams) who are working at Relief Centres and involved in distribution of Relief Materials. • To ensure that law and order is maintained at evacuation/relief centres

				and in the affected areas as well.
	c	Safety of fishermen	RRC, Fisheries Dept., Tourism Dept	<ul style="list-style-type: none"> • Immediate actions to be taken for safety of fishermen, and visitors at Cyclone affected coastal areas. • Ensure that all the fishermen have returned from the sea or those who are in the sea are rescued and evacuated to safer places.
	d	Ensure immediate health and minimization of outbreak of disease	Health Dept., Transport Dept. PWD (P&H)	<ul style="list-style-type: none"> • To establish camp hospitals near the affected areas. • To make transportation arrangements to shift seriously injured persons to nearest- <ul style="list-style-type: none"> ❖ Camp Hospitals, PHC, CHC ❖ GH, JIPMER & Medical College Hospital • Ensure that the Hospitals are well prepared to deal with seriously injured persons. • To ensure that the required medical assistance/aid and medicines are provided to the affected people at site as well as at evacuation/relief centres in the affected area and necessary records are maintained. • Take sanitation and epidemic control measures for preventing any water borne /communicable disease . • Keep adequate stock of essential medicines, first-aid etc. at GH, PHC & CHC. • Take steps to purify drinking water sources

				<ul style="list-style-type: none"> • If required, take the help of doctors/paramedics from the list of doctors/paramedics available at the taluk/district level for immediate medical assistance.
			Animal Husbandry Dept.	<ul style="list-style-type: none"> • Assess need for fodder if required. • Keep ready teams for carcass disposal (if required). • Ensure Sufficient stock of drugs in case of outbreak.
	e	Information to public and media	I&P Dept., RRC	<ul style="list-style-type: none"> • Establish Media/Press Centre for media management and information dissemination • Ensure that the information to media/general public about the response of the State Government is released in an organized manner. • Organize media briefing twice a day at pre-determined intervals.
	f	Other important work related to immediate response	RRC	<ul style="list-style-type: none"> • Prepare quick need assessment report for planning of relief operation. • Additional assistance may be asked for emergency response/relief from GoI-NDMA (If needed).
			RRC	<ul style="list-style-type: none"> • Prepare situation report and circulate it twice a day in the morning and evening to key Government functionaries. • Maintain constant touch with National, state and District EOCs and other control rooms. • Remain in constant touch with IMD for updates on weather forecast for the coming days and plan accordingly. • Conduct aerial survey of affected areas

				for taking stock of the situation.
			DRDM. Collector, RRC	<ul style="list-style-type: none"> • Activate evacuation & relief centres according to needs/situation. • Maintain record of persons admitted at • evacuation/relief centres.
Time = 0 + 24 to 48 Hrs	1	Review of situation and reporting	RRC	<ul style="list-style-type: none"> • Establish contact with IMD, CWC, ACWC, ISRO and the defence ministry of GoI for aerial /satellites imageries about further weather condition and plan accordingly.
	2	Restoration of critical infrastructure/essential services	RRC, Line Depts., Dist. Collectors, Commissioners of local bodies	<ul style="list-style-type: none"> • Ensure that the essential services/critical infrastructure of the affected areas have been restored or alternative arrangement is made for ensuring safety of people and smooth management of emergency response. • Ensure that key administrative and lifeline buildings are brought back to operation quickly. • Designate and deploy senior officers (as per the need) to worst affected areas to oversee rescue/relief operation. • Ensure following primary necessities are restored <ul style="list-style-type: none"> ❖ Power ❖ Water ❖ Telecommunication ❖ Roads ❖ Bridges ❖ Medicine ❖ Fuel ❖ Milk
	3	Disposal of Dead bodies	DRDM., Dist. Collector,	<ul style="list-style-type: none"> • Ensure following procedure is followed before disposal/handing over of dead

			Commissioners of local bodies, Health Dept., Local Authorities SSP (L&O)	bodies: (a) Photographs of the dead bodies are taken, (b) Identification of the dead bodies is done, (c) Post Mortem where ever necessary and possible is carried out, (d) Handing over dead bodies of persons known/identified to their relatives, (e) Disposal of unclaimed and unidentified dead bodies.
			A H Dept., Local Authorities, health dept.	<ul style="list-style-type: none"> • Animal Husbandry Department to ensure medical aid to livestock which are injured. • Disposal of animal carcasses with the help of local bodies/health dept.
	4	Public Information and Media Management	RRC I&P Dept., Dist. Collector, Commissioners of local bodies	<ul style="list-style-type: none"> • Ensure that the information about progress of rescue and relief is provided to media/public in an organized manner at least twice a day. • Establish help lines for facilitating communication between the victims and their relatives residing outside the affected areas. • Establish Information Centres at strategic locations for providing information about persons evacuated to the relief centres/hospitals.
	5	Miscellaneous rescue and relief works	RRC, District Collector, Commissioners of local bodies	<ul style="list-style-type: none"> • Assess the situation and take appropriate action to accelerate the Search & Rescue Operations. • Depute additional officers and supporting staff to Cyclone affected areas from non-affected areas (if

				required) to accelerate the rescue and relief operations.
			RRC, ESF 16	<ul style="list-style-type: none"> • Ensure that the relief assistance received from outside is centrally received, stored and sent for distribution to Cyclone affected areas according to their need and ensure proper accounts are maintained about both receipt and distribution.
			DRDM, Civil Supplies Dept.,	<ul style="list-style-type: none"> • District Collector may oversee the functioning of relief centres and ensure adequate supply of relief materials.
Time = 0 + 48 to 96 Hrs	1		RRC, Dist. Collectors, Civil Supplies Dept (ESF 10)	<ul style="list-style-type: none"> • Remain in constant touch with IMD for updates on weather forecast for the coming days and plan accordingly. • Arrange for procurement of additional relief material required for relief operations (on the basis of need assessment). • Mobilize additional relief material required for relief operations. • Maintain constant touch with State & Districts EOCs.
	2		DRDM, Health Dept. and Transport Dept	<ul style="list-style-type: none"> • Arrangement for transportation of injured from camp hospital to GH, JIPMER, Medical College Hospital etc., • Arrangement for transport of dead bodies to their native places.
	3		Line Depts., Dist. Collector, RRC	<ul style="list-style-type: none"> • Ensure maintenance of record, timely reporting and information management. • Ensure maintenance of record and

				information database.
Time = 0 + 96 to 168 Hrs	1		RRC	<ul style="list-style-type: none"> • Remain in constant touch with IMD for updates on weather forecast for the coming days and plan accordingly. • Review the restoration of all the public and Essential services in Cyclone affected areas. • Review and follow-up all necessary arrangements for emergency response & relief in the affected area/s.
	2		RRC, IMD	<ul style="list-style-type: none"> • On receiving the message from IMD about degradation of Cyclone, inform the concern Dist. Collector.
	3		RRC, Dist. Collectors, Commissioners of local bodies, PWD	<ul style="list-style-type: none"> • Organize a quick rapid visual survey of the affected areas (through a technical team of engineers) to ascertain the safety of the structures. • Decide on giving the go-ahead to people to move back to their respective houses
	4		RRC, Collector,	<ul style="list-style-type: none"> • After receiving the message of de-warning, ensure that people are moved back safely to their houses.
	5		DRDM	<ul style="list-style-type: none"> • Ensure relief disbursement, allotment of funds and grants to line department and district collectors for organizing emergency response, relief and evacuation arrangements

2.8 Immediate relief to be provided to the affected population

2.8.1 Short-term Relief Measures

- Search, rescue and medical assistance
 - ❖ Identification of areas where QRT to be deployed
 - ❖ Coordination of QRT for their quick deployment in allotted areas
 - ❖ Provision of quick transport of QRT to affected areas.
 - ❖ The Debris clearance and equipment support (ESFs -7) and Public Works and Engineering (ESF -13) shall ensure clearing access routes in order to facilitate search and rescue operations.
 - ❖ Mobilization of specialized equipments and machinery to affected areas.
 - ❖ Cordoning of affected areas with control of entry and exit.
 - ❖ Traffic Management by establishment of traffic points and check-posts.
 - ❖ The Home Department to evolve a mechanism for providing security of properties of government and public in the affected areas.
- Emergency relief (shelter, food, clothing, etc.)
 - ❖ Establishment of Temporary shelters for evacuees (ESF -9).
 - ❖ Ensuring provision of essential services as under:
 - Arrangement for food, clothing, blanket/bedding, drinking water, sanitation and hygiene, lighting arrangements and essential medicines.
 - Deployment of mobile hospitals in affected areas for treatment of victims.
 - Providing counselling services to the cyclone victims and their relatives.
 - Ensure establishment of communication link between the affected people and their relatives outside.
- The RRC to ensure the following in the relief camps:
 - Special emphasis on Hygiene and sanitation aspects should be given in relief camp sites.
 - Separate area should be earmarked within the relief camp for storage of relief materials.
 - Adequate manpower and transport facilities for the camp site.
 - Arrangements to be made for trauma management.
 - Mobile medical units to be sent to remote areas with a view to provide medical assistance to the victims/injured.
 - Information centre should be established by the administration.

2.8.2 Interim Relief Measures

- Arrangements to be made for quick identification and maintenance of the records of disposal of dead bodies in the affected areas (Home, Revenue, Health Dept., Local Authorities).
- Arrangements to be made to record the complaints of all persons reported missing. Follow up action in terms of verification of the report also needs to be made. (Home Dept.)
- District Magistrates and sub-divisional magistrates to be empowered to exempt the requirement of identification and post-mortem in case of mass casualties. DRDM may depute additional Executive Magistrates to expedite disposal of the dead bodies. (Revenue & Home Dept.)
- Unclaimed/unidentified dead bodies to be disposed off with the help of pre identified voluntary Agencies at the earliest after keeping their records. (Home, Revenue, Health Dept. & Local Bodies)
- Additional manpower to be deployed in the affected areas for supplementing the efforts of the local administration. (ESF-16).
- Separate Cell to be established at State/District/Taluk level to coordinate with the NGOs and outside donor/aid agencies (ESF 16)
- Regular meetings of the different stakeholders/departments should be organized at state level for sharing of information, developing strategies for relief operations. (Relief and Rehabilitation Commissioner & Collectors at District Level).
- Information & Public Relation Dept to coordinate with the media to play a positive role in disseminating appropriate information to public and the government in order to facilitate the speedy recovery.

2.8.3 Assessment of Damage/Loss and Relief needs

- The RRC to issue instructions to the District Collectors to provide the damage and loss assessment report. The RRC to consolidate the same and to prepare “State need assessment report” which will be useful in planning and implementing the relief operation after the disaster for the victims of the disaster.
- Adequate manpower, vehicles, stationery etc should be provided to supplement the efforts for need/loss assessment. (ESFs 5, 8 and 16)
- The relief need assessment report should be provided by the Collectors. (DRDM)
- Identification and demolition of dangerous structures in the affected areas to minimize further loss of life and injuries. (ESF-7 and 13)
- Arrangements for distribution of gratuitous relief and cash doles. (DRDM)
- Arrangements to be made for survey of human loss and distribution of ex-gratia relief to the families of deceased persons. (DRDM)

- Teams to be formed and dispatched to the affected areas for detailed assessment of houses damaged and property damage. (ESF-8)
- As reconstruction of houses will take a long period, arrangements to be made to provide interim shelters to the affected. (ESF-9)
- Identification of the site for interim shelter.
- Allocation of areas to affected families.
- Providing appropriate shelters to the affected families.
- Providing essential services as under in the interim shelter sites / Relief Centers.

- ❖ Water
- ❖ Transportation
- ❖ Power
- ❖ Road
- ❖ Drainage/Sanitation
- ❖ School
- ❖ PDS Shops
- ❖ Health
- ❖ Protection
- ❖ Distribution of shelter materials to individual families

3 Action Plan for Tsunami

3.1 Introduction

The purpose of a Tsunami action plan is to assist the delivery of the right people, to the right location with the right equipments to complete the tasks required during a tsunami disaster. This plan will explain quick response at all levels to reduce the effects of tsunami waves with an effective coordinated way.

3.2 Associated Authority

The Nodal Department for controlling, monitoring and directing measures for organizing rescue, relief and rehabilitation is the DRDM, Puducherry. All other concerned Departments should extend full cooperation in all matters pertaining to the management of the Tsunami disaster whenever it occurs. The state departments like Revenue, Transport, Ports & Fisheries, PWD, Power, Finance, Information and Publicity etc. shall have a major role in emergency response during occurrence of Tsunami generating earthquake and Tsunami hitting the shore.

3.3 Disaster Declaration

The Government of Puducherry shall declare any area where Tsunamis have occurred or likely to occur as disaster affected area on the recommendations of the State Executive Committee or the District Collector concerned. The purpose of declaration of disaster is to organize effective response in mitigating the Tsunami effects. Such a declaration provides wide powers and responsibilities to the Relief and Rehabilitation Commissioner and the District Collectors in order to handle the incident effectively.

3.4 Early Warning

Public may be able to protect themselves from the Tsunami emergency if they are informed and educated before an emergency. Most of the time tsunami hazard is predictable so warning to public is important part of Action Plan.

The Action Plan is the set of routine activities to be followed by the staff at the SEOC for observation, evaluation, confirmation, and dissemination of bulletins from IMD/ INCOIS.

Warning/ Alert / Watch:

Based on earthquake parameters, region's proxim and expected run-up from pre-run model scenarios Warnings to Far Source Regions: Issued only after confirmation of tsunami triggering based on real-time water-level observations and correction of scenarios. This will reduce possibility of false warnings.

The warning criteria are based on the premise that coastal areas falling within 60 minutes travel time from a tsunamigenic earthquake source need to be warned based solely on earthquake information, since enough time is not available for confirmation of water levels from BPRs and Tide Gauges. Those coastal areas falling outside the 60 minutes travel time from a tsunami genic earthquake source are put under a watch status and upgraded to a warning only upon confirmation of water-level data, e.g. If a tsunamigenic earthquake happens in the coast of the Northern Indonesia, parts of the Andaman & Nicobar Islands falling within 60 minutes travel time of a tsunami wave areas are put under “Watch” Status and upgrade gauges reveal significant change in water level. This implies that the possibility of false alarms is higher for areas close to the earthquake source; however for other regions since the warnings are issued only after confirmation of water-level data, the issue of false alarms doesn't arise. To reduce the rate of false alerts, alerts are generated by analyzing the pre-run model scenarios, so that warnings are issued only to those coastal locations that are at risk.

Category of tsunami advisory bulletins, time-line for generation, content of the alert and dissemination contact information is detailed below:

Types of Tsunami Bulletin Messages by INCOIS:

Earthquake Information Bulletin (T+20 Min) contains information about origin time, latitude and longitude of the epicenter, name of geographical area, magnitude and depth of an earthquake. This message also contains preliminary evaluation of tsunami potential based on the magnitude. (e.g. earthquake occurring on land or earthquake with < M6.5 or earthquake occurring > 100 Km depth or earthquake occurring in very shallow water column, etc. No tsunami is expected; for larger magnitude earthquakes in the ocean, a qualitative statement on the tsunamigenic potential may be given). No immediate action is required. Bulletins provided to Ministry of Home Affairs (MHA).

Tsunami Warning (T+30 Min) (RED) contains information about the earthquake and a tsunami evaluation message indicating that tsunami is expected. (e.g. For earthquakes with >M6.5 occurring in the Ocean within a depth of < 100 Km, a tsunami warning will be issued for those areas falling within 60 minutes travel time from the earthquake source and if expected run up is > 2 m). **This is the highest level wherein immediate actions are required to move public to higher grounds.** Message also contains information on the travel times and tsunami grade (based on run-up estimates) at various coastal locations from pre-run model outputs. Information provided to Ministry of Home Affairs (MHA) and public.

Tsunami Alert (T+30 Min) (ORANGE) contains information about the earthquake and a tsunami evaluation message indicating that tsunami is expected. (e.g. For earthquakes with > M6.5 occurring in the Ocean within a depth of < 100 Km, a tsunami alert will be issued for those areas falling within 60 minutes travel time from the earthquake source and if expected run up is between 0.5 to 2 m as well as for those areas falling above 60 minutes travel time from the earthquake source and if

expected run up is >2 m). This is the second highest level wherein immediate public evacuation is not required. Public should avoid beaches since strong current are expected. Local officials should be prepared for evacuation if it is upgraded to warning status. Message also contains information on the travel times and tsunami grade (based on run-up estimates) at various coastal locations from Pre-run model outputs. Information provided to Ministry of Home Affairs (MHA) and public.

Tsunami Watch (T+30 Min) (YELLOW) contains information about the earthquake and a tsunami evaluation message indicating that tsunami is expected. (e. g. For earthquakes with > M6.5 occurring in the Ocean within a depth of < 100 Km, a tsunami watch will be issued for those areas falling within 60 minutes travel time from the earthquake source and if expected run up is < 0.5 m and for those areas falling above 60 minutes travel time from the earthquake source and if expected run up is 0.5 to 2 m). This is the third highest level wherein immediate public evacuation is not required, Local officials should be prepared for evacuation if it is upgraded to warning status. Message also contains information on the travel times and tsunami grade (based on run-up estimates) at various coastal locations from Pre-run model outputs. Information provided to Ministry of Home Affairs (MHA).

Tsunami dewatering (GREEN) will be issued if the tsunami warning was issued on the basis of erroneous data or if the warning centre determines from subsequent information that only an insignificant wave has been generated. In addition, tsunami warning may be cancelled on a selective basis when a significant wave that has been generated clearly poses no threat to one or more of the areas the warning centre warns, either because of intervening continents or islands which screen them or because the orientation of the generating area causes the tsunami to be directed away from these areas. To maintain credibility the warning centre will use the terminology-destructive“ non tsunami” in the case applicable.

Tsunami All Clear (GREEN) bulletin indicates that the danger from Tsunami was over and situation is under control.

3.5 Plan Activation

The tsunami response structure will be activated on the occurrence of a major tsunami. The RRC will activate the State EOC for emergency response from where the warning disseminated to all the Departments. He will issue instructions to include the following details:

- Specify exact resources required.
- The type of assistance to be provided
- The time limit within which assistance is needed
- The state, district or other contact persons/agencies for the provision of the assistance
- Other Task Forces with which coordination should take place

The state EOC and other control rooms at the state level as well as district control rooms should be activated with full strength. The state Government may publish a notification in the official gazette, declaring such area to be disaster-affected area .

Once the situation is totally controlled and normalcy is restored, the RRC declares End of Emergency Response and issues instructions to withdraw the staff deployed in emergency duties.

3.6 Roles and Responsibility

Emergency response measures when occurrence of tsunami generating earthquake under the ocean is reported.

Task and Responsibilities of different stake holders during Emergency Response Phase.

Time Frame	Sl.No	Task	Responsibility	Activity
0 to (-) 60 Minutes	1	Warning receipt and dissemination	ICIOS, IMD, SEOC	<ul style="list-style-type: none"> • Report the occurrence of Tsunami generating earthquake to following officials; <ul style="list-style-type: none"> ❖ RRC ❖ Secretary, UTPDMA ❖ Chief Secretary of the UT ❖ Members of SEC ❖ Hon. Chief Minister ❖ National Disaster Management Authority, GoI. ❖ All concerned District Collectors as well as Control Rooms of the district/s likely to be affected as per preliminary warning of INCOIS/ IMD. ❖ Ministers and Secretaries of all line departments • Instruct the Collectors (of the districts likely to be affected) to activate District EOC at full strength. • Alert all response teams in the State for deployment • Remain in constant touch with control

				<p>rooms at National and State Level.</p> <ul style="list-style-type: none"> • Instruct and alert all heads of departments of the key line departments to activate their departmental plan and SOPs for Tsunami response.
	2	Interdepartmental Coordination	RRC/DRDM	<ul style="list-style-type: none"> • Instruct all State government officers and employees in the State to report to their respective Head for emergency duties (Only if the warning is of a level 2 disaster or as per the decision taken in the meeting of the SEC headed by Chief Secretary). • Alert the District Collectors of districts in neighbouring states not likely to be affected to be prepared for providing: <ul style="list-style-type: none"> ❖ Additional manpower ❖ Additional resources ❖ Machinery & Equipment ❖ Relief material to the places likely to be affected
	3	Establishment of Communication lines	RRC	<ul style="list-style-type: none"> • Activate alternative communication equipments VHF sets in State EOC, District EOC, Taluk, line dept and coastal villages. • Establish communication links with ESF Teams, Search & Rescue Teams alert them to be in stage of readiness
0 to (-) 50 Minutes	1	Review of situation and reporting	RRC	<ul style="list-style-type: none"> • Establish contact with IMD, INCOIS, ISRO and the defence ministry of GoI for aerial / satellites imageries. • After reviewing the satellite images issue instructions and orders for emergency response to areas likely to be affected.

	2	Management of EOC, ESF teams and Tsunami Response	RRC	<ul style="list-style-type: none"> • Take over full command of State EOC and ERCs. • Instruct line departments to depute representatives at the State and District EOCs. • Hold a meeting with leaders of task forces and entrust them their tasks. • Ensure that Tsunami information is disseminated to all who are at danger • Arrange emergency meeting with State Crisis Management Group to devise a plan of action.
			RRC	Arrange dissemination of information through various means of communication such as Radio, TV, Cable Network, SMS about Tsunami to districts/areas which are likely to be hit.
			Transport Commissioner	Impose restriction on all transport activities heading towards coastal areas that are likely to be affected by Tsunami.
			RRC	<ul style="list-style-type: none"> • Mobilize following teams: <ul style="list-style-type: none"> ❖ Evacuation ❖ Emergency Medical Services ❖ Search and Rescue
				<ul style="list-style-type: none"> • Mobilize following emergency response forces: <ul style="list-style-type: none"> ❖ Fire & Emergency Services ❖ NDRF ❖ Police, Home Guards ❖ State Reserve Police Force ❖ Army (if required) ❖ Air Force (if required)

	3	Tsunami response to coastal areas (likely to be affected)	RRC, Transport Dept., Dist. Collector, Commissioners of local bodies, Commune Panchayats	<ul style="list-style-type: none"> • Based on the warning issued by INCOIS and IMD, pin point the districts and villages likely to be affected by Tsunami and start the procedure for identifying safe places/shelters for evacuation in those villages. • Village wise data of safe sheltering for evacuation available on DM Action Plan should be referred and the Dist. Collectors/Village level officers should be contacted to know the status of the shelters with the capacity of the shelter and other available facilities at the site. • Make transport arrangement for mobilization of all emergency response teams.
			Fisheries Dept., DRDM	<ul style="list-style-type: none"> • Ensure arrangements are in place to evacuate fishermen if needed.
			Tourism Dept.,	<ul style="list-style-type: none"> • Ensure safety of tourists visiting beaches along the coastline.
			SSP (L&O) Dist. Collector, Commissioners of local bodies.	<ul style="list-style-type: none"> • Cordoning off coastal areas for restricting entries road traffic. • Ensure law and order is maintained in areas likely to be affected
			Line Depts.	<ul style="list-style-type: none"> • Ensure that all critical activities (mainly industrial production) in areas likely to be affected are shutdown.
			District Collector, Commissioners of local bodies, Information & Publicity	<ul style="list-style-type: none"> • Ensure dissemination of information to remote areas by local means • Ensure that local help lines are opened and effectively managed for public information, guidance and rumour control.

			Dept	<ul style="list-style-type: none"> • Ensure that the information to public and media about the progress of Tsunami at periodic intervals is released.
			Health Dept.	<ul style="list-style-type: none"> • Health Department to activate their Departmental Disaster Management Plan and Departmental SOPs for Management of casualties.
0 to (-) 15 Minutes	1	Review of situation and reporting	RRC, I&P Dept.	<ul style="list-style-type: none"> • Review and monitor following activities: <ul style="list-style-type: none"> ❖ Evacuation of people from coastal areas likely to be affected ❖ Positioning of Search and Rescue Teams ❖ Positioning of mobile communication units ❖ Positioning of quick medical response teams ❖ Mobilization of teams for restoration by respective departments ❖ Requirement of armed forces in rescue and relief operations ❖ Dissemination of information to the vulnerable areas ❖ All preparedness measures to be taken by line departments. • Keep in touch with National, District and Taluk Control Rooms • Release information at appropriate time to media and public regarding response measures organized by the Government
	2	Emergency Relief	RRC	Ensure that the Relief Management work planned in the areas likely to be affected by the Tsunami are well

		Management		organized.
			RRC, Civil Supplies Dept., DRDM. & Dist. Collector, Commissioners of local bodies, PWD Health Dept.	<ul style="list-style-type: none"> • Ensure that the arrangement for basic amenities (shown below) at evacuation/relief centres are made by the respective departments: <ul style="list-style-type: none"> ❖ Drinking water ❖ Food ❖ Clothing ❖ Sanitation and hygiene, ❖ Lighting ❖ Medicines and other Health Care
			RRC	<ul style="list-style-type: none"> • Inform following agencies to be in a state of readiness for assisting in the Tsunami response measures (if required): <ul style="list-style-type: none"> ❖ Public sector agencies ❖ Private sector agencies ❖ NGOs ❖ CBOs ❖ Volunteer Organizations
			RRC	<ul style="list-style-type: none"> • Request for help (if needed) to MHA/National Disaster Management Authority
			I&P Dept.	<ul style="list-style-type: none"> • Make necessary arrangements for public information/guidance, public opinion and rumour control.
Time – 0 Hrs	1	Disaster Management	RRC, Dist. Collector	<ul style="list-style-type: none"> • Record the reports in detail with time, source of reports etc. and declare the area as disaster affected, if necessary, (depending upon the nature and intensity of impact)
	2	Preliminary assessment,	Dist. Collector, Commissioners	<ul style="list-style-type: none"> • Dist. Collector/s should send teams to the affected areas to take stock of the

		deployment of emergency response teams and dissemination of information	of local bodies,	<p>effects of Tsunami.</p> <ul style="list-style-type: none"> • District Collector/s should send sector wise situation reports to: <ul style="list-style-type: none"> ❖ SEC ❖ UTPDMA
			RRC, Dist. Collector, Commissioners of local bodies,	<ul style="list-style-type: none"> • Deployment of following teams to Tsunami affected areas: • Emergency Communication Teams • Emergency Medical Services Teams • Search and Rescue Teams (With Equipments) • Preliminary damage Assessment Teams • Need Assessment Teams
			RRC, Dist. Collector, Commissioners of local bodies, Information & Publicity Dept.	<ul style="list-style-type: none"> • Establish communication link with affected districts by activating alternate communication equipments such as satellite phones, VHF Sets, in State/District EOCs and Taluk, line departments. • Arrange dissemination of information about occurrence of Tsunami and areas that are affected by it to Media & Public.
Time = 0 + 24 Hrs	1	Mobilization and Deployment	RRC Commissioners of local bodies, Concern line Dept.	<ul style="list-style-type: none"> • Immediate mobilization of following units/teams to areas affected by Tsunami. <ul style="list-style-type: none"> ❖ S & R Teams ❖ Quick Medical Response Teams ❖ Quick Damage & Loss Assessment Teams ❖ Quick Need Assessment Teams ❖ Road Clearance Teams ❖ Teams for disposal of dead bodies ❖ Teams for disposal of carcasses ❖ Teams for debris clearance (if any) ❖ Teams for maintaining Law &

				Order in the affected areas Arrange for S & R teams of Air Force, Indian Coast Guard (If required).
	2	Measures for quick and organized response	RRC, Collector, Municipal Commissioner, Line Dept.	<ul style="list-style-type: none"> State EOC, ESF Teams, the Collectors of the affected District/s Should ensure that the following response activities are carried out immediately:
	a	Clearance of access roads to reach at the sites of affected areas	PWD , Transport Dept., Dist. Collector, Commissioners of local bodies, RRC	<ul style="list-style-type: none"> To ensure the access roads/routes leading to the affected areas and manage traffic for mobilization of equipments, machinery and volunteers. Identify alternate roads/routes for evacuation. Undertake repairing/restoration of damaged roads leading to the affected areas. Identify and declare unsafe buildings/structures in Tsunami affected areas. Evacuate people from unsafe buildings/structures and shift them to relief camps/sites.
	b	Necessary Arrangements at evacuation/relief centres	DRDM Civil Supplies Dept., Collector, Commissioners of local bodies, PWD ., Health Dept., Electricity Dept, Local	<ul style="list-style-type: none"> To ensure that necessary arrangements at evacuation/relief centres is made with sufficient availability of: <ul style="list-style-type: none"> ❖ Food, ❖ Water, ❖ Blankets/Clothing ❖ Medicines ❖ Lighting ❖ Sanitation and hygiene etc. To ensure necessary security arrangements for the personals (Emergency responders/relief teams) who are working at Relief Centres and

			Authorities,	involved in distribution of Relief Materials. <ul style="list-style-type: none"> To ensure that law and order is maintained at evacuation/relief centres and in the affected areas as well
	c	Safety of fishermen	RRC, Fisheries Dept., Tourism Dept.,	<ul style="list-style-type: none"> Immediate actions to be taken for safety of fishermen, and visitors/ tourists at Tsunami affected coastal areas. Ensure that all the fishermen have returned from the sea or those who are in the sea are rescued and evacuated to safer places.
	d	Ensure immediate health and minimization of outbreak of disease	Health Dept., Transport Dept	<ul style="list-style-type: none"> To establish camp hospitals near the affected areas. To make transportation arrangements to shift seriously injured persons to nearest- <ul style="list-style-type: none"> ❖ Camp Hospitals, ❖ Taluk and District Hospitals, ❖ Regional and State Hospitals Ensure that the Hospitals are well prepared to deal with seriously injured persons. To ensure that the required medical assistance/aid and medicines are provided to the affected people at site as well as at evacuation/relief centres in the affected area and necessary records are maintained. Take sanitation and epidemic control measures for preventing any outbreak of communicable diseases. Keep adequate stock of essential medicines, first-aid etc. Take steps to purify drinking water sources If required, take the help of

				doctors/paramedics from the list of doctors/paramedics available at the taluk / district level for immediate medical assistance.
			Animal Husbandry Dept.	<ul style="list-style-type: none"> Assess need for fodder if required. Keep ready teams for carcass disposal (if required).
	e	Information to public and media	I&P Dept., RRC	<ul style="list-style-type: none"> Establish Media/Press Centre for media management and information dissemination Ensure that the information to media/general public about the response of the State Government is released in an organized manner. Organize media briefing twice a day at pre-determined intervals.
	f	Other important work related to immediate response	RRC	<ul style="list-style-type: none"> Prepare quick need assessment report for planning of relief operation. Additional assistance may be asked for emergency response/relief from GoI-NDMA (If needed). Maintain constant touch with National, State, District EOCs and Taluk and other control rooms. Conduct aerial survey of affected areas for taking stock of the situation.
Time = 0 + 24 to 48 Hrs	1	Restoration of critical infrastructure/ essential services	RRC, Line Depts., Dist. Collector, Commissioners of local bodies,	<ul style="list-style-type: none"> Ensure that the essential services/critical infrastructure of the affected areas have been restored or alternative arrangement is made for ensuring safety of people and smooth management of emergency response. Ensure that key administrative and lifeline buildings are brought back to

				<p>operation quickly</p> <ul style="list-style-type: none"> • Ensure following primary necessities are restored <ul style="list-style-type: none"> ❖ Power ❖ Water ❖ Telecommunication ❖ Roads ❖ Bridges
	2	Disposal of Dead bodies	DRDM., Collector, Commissioners of local bodies, Health Dept., Local Authorities	<ul style="list-style-type: none"> • Ensure following procedure is followed before disposal/handing over of dead bodies: <ul style="list-style-type: none"> ❖ Photographs of the dead bodies are taken, ❖ Identification of the dead bodies is done, ❖ Post Mortem where ever necessary and possible is carried out, ❖ Handing over dead bodies of persons known/identified to their relatives in the presence of Executive Magistrates. ❖ Disposal of unclaimed and unidentified dead bodies.
			Animal Husbandry Dept, Local Authorities, health dept.	<ul style="list-style-type: none"> • Animal Husbandry Department to ensure veterinary aid to cattle and other live stock which are injured. • Disposal of animal carcasses with the help of local bodies/health dept.
	3	Public Information and Media Management	RRC, I&P Dept. and Dist. Collector, Commissioners	<ul style="list-style-type: none"> • Ensure that the information about progress of rescue and relief is provided to media/public in an organized manner at least twice a day. • Establish help lines for facilitating communication between the victims

			of local bodies,	and their relatives residing outside the affected areas. <ul style="list-style-type: none"> Establish Information Centres at strategic locations for providing information about persons evacuated to the relief centres/hospitals
	4	Miscellaneous rescue and relief works	RRC, District Collector, Commissioners of local bodies,	<ul style="list-style-type: none"> Assess the situation and take appropriate action to accelerate the Search & Rescue Operations. Depute additional officers and supporting staff to Tsunami affected areas from non-affected areas (if required) to accelerate the rescue and relief operations.
			RRC, Civil Supplies Dept.	<ul style="list-style-type: none"> Ensure that the relief assistance received from outside is centrally received, stored and sent for distribution to Tsunami affected areas according to their need and proper accounts are maintained about both receipt and distribution.
			DRDM, Civil Supplies Dept.,	<ul style="list-style-type: none"> District Collector may oversee the functioning of relief centres and ensure adequate supply of relief materials.
Time = 0 + 48 to 96 Hrs			RRC, Dist. Collector, Commissioners of local bodies, Civil Supplies Dept.	<ul style="list-style-type: none"> Arrange for procurement of additional relief material required for relief operations (on the basis of need assessment). Mobilize additional relief material required for relief operations. Maintain constant touch with State & Districts EOCs.
			RRC	<ul style="list-style-type: none"> Arrangement for transportation of

			Health Dept., Transport Dept	<p>injured from field hospital to base hospital</p> <ul style="list-style-type: none"> • Arrangement for transport of dead bodies to their native places.
			Line Depts., Dist. Collector, RRC	<ul style="list-style-type: none"> • Ensure maintenance of record, timely reporting and information management. • Ensure maintenance of record and information database.
Time = 0 + 96 to 168 Hrs			RRC	<ul style="list-style-type: none"> • Review the restoration of all the public utilities and essentials in Tsunami affected areas. • Review and follow-up all necessary arrangements for emergency response & relief in the affected area/s.
			RRC, Collector, SSP	<ul style="list-style-type: none"> • After receiving the message of de-warning, ensure that people are moved back safely to their houses.
			RRC, Dist. Collectors, Commissioners of local bodies, PWD	<ul style="list-style-type: none"> • Organize a quick rapid visual survey of the affected areas (through a technical team of engineers) to ascertain the safety of the structures. • Decide on giving the go-head to people to move back to their respective houses.
			DRDM.	<ul style="list-style-type: none"> • Ensure relief disbursement, allotment of funds and grants to line department and District Collectors for organizing emergency response, relief and evacuation arrangements.

3.7 Relief Measures

3.7.1 Short-term relief measures

1. Provide temporary shelter to affected people
2. Temporary shelter site should be safe, and easily accessible.
3. Continue to provide essential services to the affected people.

- ❖ food
- ❖ water
- ❖ clothing
- ❖ sanitation
- ❖ medical assistance
- ❖ power

The RRC, Secretaries of Line Departments and concerned District Collectors to ensure the following in the relief camps:-

- Special emphasis on Hygiene and sanitation aspects should be given in relief camp sites, (ESF-9.)
- Separate area should be earmarked within the relief camp for storage of relief materials. (ESF-9.)
- Adequate manpower and transport facilities for the camp site, (ESF-5)
- Arrangements to be made for trauma management, (ESF-2)
- Mobile medical units to be sent to remote areas with a view to provide medical assistance to the victims/injured. (ESF-2.)
- Information centre should be established by the administration. (ESF-1)

3.7.2 Interim Relief Measures

- Arrangements to be made for quick identification and maintenance of the records of disposal of dead bodies in the affected areas (Revenue, Health Dept., Local Authorities).
- Arrangements to be made to record the complaints of all persons reported missing. Follow up action in terms of verification of the report also needs to be made. (DRDM)
- District Magistrates deemed to be empowered to exempt the requirement of identification and post-mortem in case of mass casualties. DRDM may depute additional Executive Magistrates to expedite disposal of the dead bodies. (DRDM.)
- Unclaimed/unidentified dead bodies to be disposed off with the help of pre identified voluntary Agencies at the earliest after keeping their records. (Police, Revenue, Health Dept. & Local Bodies)

- Additional manpower to be deployed in the affected areas for supplementing the efforts of the local administration. (ESF-16).
- Separate Cell to be established at state/district/Taluk level to coordinate with the NGOs and outside donor/aid agencies. (ESF-16.)
- Regular meetings of the different stakeholders/departments should be organized at state level for sharing of information, developing strategies for relief operations. (Relief and Rehabilitation Commissioner & Collectors at District Level).
- Information & Publicity Dept to coordinate with the media to play a positive role in disseminating appropriate information to public (Information & Publicity Dept).

3.7.3 Assessment of Damage/Loss and Relief needs

The RRC shall issue instructions to the District Collectors to provide the damage and loss assessment report to consolidate the same and to prepare “state need assessment Report” which will be useful in planning and implementing the post disaster relief operation for the victims of the disaster.

- Adequate manpower, vehicles, stationery etc should be provided to supplement the efforts for need/loss assessment. (ESF 5,8 and 16.)
- The relief need assessment report/ damage assessment report should be provided by the Collectors. (ESF 8)
- Identification and demolition of dangerous structures in the affected areas to minimize further loss of life and injuries. (ESF-7,11 and 13)
- Arrangements for distribution of gratuitous relief and cash doles. (DRDM)
- Arrangements to be made for survey of human loss and distribution of ex-gratia relief to the families of deceased persons. (DRDM)
- Teams to be formed and dispatched to the affected areas for detailed assessment of houses and property damage assessment. (ESF-8)
- As reconstruction of houses will take a long period, arrangements to be made to provide interim shelters to the affected. (ESF-9)
 - ❖ Identification of the site for interim shelter
 - ❖ Allocation of areas to affected families
 - ❖ Providing appropriate shelters to the affected families
 - ❖ Providing essential services as under in the interim shelter sites.

- Water
- Transportation
- Power
- Road
- School
- PDS Shops
- Health
- Protection
- Drainage/Sanitation

❖ Distribution of shelter materials to individual families.

4 Action Plan for Flood

4.1 Introduction

Floods are among the most common and destructive natural hazards causing extensive damage to infrastructure, public and private services, environment and economy. The frequency and intensity of floods has grown in the UT over the years primarily because of the unplanned development and increased encroachment of rivers, channels etc.,

This demands better flood preparedness to make sure that appropriate and effective response measures are taken during flood emergency to minimize the loss of life and property. Apart from an effective disaster response system, it is important to have a good flood prevention and mitigation strategy to achieve the objectives of vulnerability reduction.

The Action Plan will consist of the following activities:

1. Declaration of Flood disaster
2. Flood Forecasting and Warning
3. Trigger mechanism
4. Response mechanism of the concerned line departments along with the roles and responsibilities
5. Relief

4.2 Declaration of Flood Disaster

The Government of Puducherry shall declare any area where flood have occurred or likely to occur as disaster affected area on the recommendations of the State Executive Committee or the District Collector. The purpose of the declaration is to organize effective response in mitigating the flood effects. Such a declaration provides wide powers and responsibilities to the RRC and the District Collectors in order to handle the incident effectively.

4.3 Flood Forecasting and Warning

Flood forecasting is a process whereby the authorities are alerted to impending conditions where floods may be likely. Flood forecasting requires understanding of meteorological and hydrological conditions, and is therefore the responsibility of the appropriate government agencies. National organisation is required, but information needs to be made available at a river basin scale. This allows forecasting to integrate with flood warning arrangements.

- The main components of a national flood forecasting and warning system are as follows:
- Collection of real-time data and prediction of flood severity and time of onset of particular levels of flooding
- Preparation of warning messages, describing what is happening, predictions of what will happen and expected impact. Messages can also include what action should be taken.
- The communication and dissemination of such messages
- Interpretation of the predictions and other flood information to determine flood impacts on communities
- Response to the warnings by the agencies involved and communities
- Review of the warning system and improvement in the system after flood event
- If predictions fail, the reasons of prediction failure should be communicated to communities in order to establish trust.

For a flood warning system to work effectively, all these components must be present and they must be integrated with each other rather than operating in isolation.

4.3.1 Community based flood forecasting and warning systems

It is important that the people in each community receive information as early as possible about the possibility of flooding in their area. In addition to the valuable information from the official flood warning system, communities should attempt to develop their own warning systems. At community level, it is important that warnings are received by all individuals. The way in which messages are disseminated in communities will depend on local conditions, but may include some or all of the following:

- Central Water Commission (CWC) gives warning on floods
- Dam officials of neighboring states
- Media warnings (print and electronic)
- General warning indicators, for example sirens
- Warnings delivered to areas by community leaders or emergency services
- Dedicated VHF sets warnings to coastal villages and all line department
- Information about flooding and flood conditions in communities upstream. One approach to disseminating messages is to pass warning messages from village to village as the flood moves downstream
- Keep watch and be regularly informed about the river level and embankment conditions in the local area. The frequency of monitoring of the river and embankment should be increased as the water level increases and crosses the critical danger level
- A community-based warning system to pass any information about an approaching flood to the areas / villages near the banks along the river course.

4.3.2 Involvement of communities in data collection and local flood warning systems

If communities become involved in data collection for flood forecasting, and the importance of their role is understood, a sense of ownership is developed. Individuals can be appointed for the following tasks:

- Taking care of installations/ equipments
- Trained as gauge readers for manual instruments (rain gauges, water level recorders)
- Radio operators to report real-time observations

Trained individuals within the community should be able to gather and update information to:

- Know the depth of past severe floods in the local area
- Know the causes of flooding in the local area
- Know how quickly the waters might rise
- Know how long the floodwaters might remain in the locality
- Know the direction of movement of the floodwaters

The involvement of members of the community also helps to prevent vandalism and damage to installations going unreported.

4.3.3 Procedure for disseminating warnings to remote areas

Communities in remote areas may not be able to receive the types of warnings described in the previous section. Responsibilities need to be defined clearly for lower tiers of administration and the emergency services to have predefined links with communities in remote areas.

This should include;

- Village Administrative Officers (VAO).
- Local radio, which should be supplied with clear and accurate information
- Use of appointed community wardens with direct two-way radio or mobile telephone access to warning agencies and emergency authorities
- Local means of raising alarms, for example church bells, sirens, loud hailers, loudspeakers etc. The latter could be the responsibility of selected individuals or wardens, who need to be provided with equipment and transport, for example motor cycles or bicycles
- Doordarshan and the local cable channels (TV channels & radio Channels including FM radio)
- Bulletins in the Press
- Satellite Based disaster Warning Systems
- Fax
- Telephone

4.4 Trigger Mechanism: Plan Activation

The flood response system will be activated on the occurrence of a heavy rain / breach in river banks / dam burst etc.,. The RRC will activate the State EOC which will disseminate to all the departments.

The issued instructions shall include the following details:

- Specify exact resources requirement
- The type of assistance to be provided
- The time limit within which assistance is needed
- The state, district or other contact persons/agencies for the provision of the assistance
- Other Task Forces with which coordination should take place

The State EOC and other control rooms at the state level as well as district control rooms should be activated with full strength. The State Government may publish a notification in the official gazette, declaring such area to be disaster-affected area.

Once the situation is totally controlled and normalcy is restored, the RRC declares End of Emergency Response and issues instructions to withdraw the staff deployed in emergency duties.

4.5 Roles and Responsibilities

S. No.	Response To be Taken	Responsible Department
1.	Reporting the occurrence of flood to RRC, UTPDMA, Heads of line departments, Chief Secretary and Chief Minister's office and National Disaster Management EOC, GoI.	State Emergency Operation Centre (SEOC)
2.	Establish communication links by alternate communication equipments like phone, radio etc. in state/district EOC and Taluk control rooms.	State Emergency Operation Centre (SEOC)
3.	Deployment of Mobile Emergency Communication Units to affected areas for establishing communication links.	RRC
4.	Verifying authenticity of flood from agencies like IMD /CWC and also from Districts/Taluk control rooms.	State Emergency Operation Centre (SEOC)
5.	Hold first meeting with Duty Officers	RRC
6.	Contact the Heads of all the line departments to reach State EOC	RRC
7.	Dispatch of Search & Rescue teams to the affected areas.	RRC
8.	Make arrangements for the aerial survey of affected areas.	RRC
9.	Instruct local administration to evacuate victims to safer sites	RRC

10.	Assess the condition of road and rail network for quick mobilization of Emergency teams and resources to affected areas and take follow up steps.	Transport Commissioner, PWD RRC
11.	Maintain constant touch with National/District and Taluks EOCs	RRC

Distribution of activities among various state agencies during Relief

S. No.	Response To be Taken	Responsible Department
1.	Providing temporary shelters to evacuated persons	Dept. of Women and Child Development.,DRDM.
2.	Providing food materials to the victims	DRDM, Civil Supplies
3.	Providing safe drinking water to the victims	PWD
4.	Provision of hygienic sanitation facilities	Health Dept., NGO, Community groups
5.	Provision of health assistance	Health Dept.
6.	Clothing and utensils	Civil Supplies
7.	Relief camps	Dept. of Women and Child Development.
8.	Providing transport services to shelter sites	DRDM. Transport Dept.

4.6 Relief

4.6.1 Short-term relief measures

Food & nutrition

In an extreme flood situation, people lose standing crops and stored food grains. In such cases, free distribution of food shall be made to avoid hunger and malnutrition. Wherever possible, dry ration should be distributed for home cooking.

Water

Water supply is invariably affected in natural disasters. Availability of safe drinking water is very challenging particularly during floods. It must be ensured that affected people have adequate facilities and supplies to collect, store and use clear and safe water for drinking, cooking and personal hygiene.

Health

During post disaster phase many factors increase the risk of diseases and epidemics because of overcrowding, inadequate quantity and quality of water, poor environmental and sanitary conditions,

decaying biological matter, water stagnation, inadequate shelter and food supplies. There should be adequate supply of medicines, disinfectants, fumigants etc. to check outbreak of epidemics. It should be ensured that the medicines have not reached expiry date.

Clothing & Utensils

The people affected by the disaster shall be provided with sufficient clothing, blankets etc. to ensure their safety and well-being. Each disaster-affected household shall be provided with cooking and eating utensils.

Shelter

In case of flood, a large number of people are rendered homeless. In such situations shelter becomes a critical factor for survival and safety of the affected population. In view of this, flood affected people who have lost their houses, shall be provided sufficient covered space for shelter. Disaster-affected households shall be provided with necessary tools, equipment and materials for repair, reconstruction and maintenance for safe use of their shelter.

Relief camp

Relief camps also provide *good temporary arrangements* for people affected by flood. Adequate numbers of buildings or open space should be identified where relief camps can be set up during emergency. The use of premises of educational institutions for setting up relief camps should be encouraged. The requirements for operation of relief camps should be worked out in detail in advance. The temporary relief camps should have adequate provision of drinking water and bathing, sanitation and essential health-care facilities.

Sanitation and Hygiene

Sanitation services are crucial to prevent an outbreak of epidemics in post disaster phase. Therefore a constant monitoring of any such possibilities needs to be carried out. It should be ensured that disaster-affected community have access to sufficient hygiene measures.

4.6.2 Interim Relief Measures

- Arrangements to be made for quick identification and maintenance of the records of disposal of dead bodies in the affected areas (Police Dept.,DRDM., Health Dept. and Local Authorities).
- Arrangements to be made to record the complaints of all persons reported missing. Follow up action in terms of verification of the report also needs to be made. (Police Dept.)
- District Magistrates and sub-divisional magistrates to be empowered to exempt the requirement of identification and post-mortem in case of mass casualties. DRDM may depute

additional Executive Magistrates to expedite disposal of the dead bodies. (Revenue & Police Dept.)

- Unclaimed/unidentified dead bodies to be disposed off with the help of pre identified voluntary Agencies at the earliest after keeping their records. (Police Dept., DRDM., Health Dept. & Local Bodies)
- Additional manpower to be deployed in the affected areas for supplementing the efforts of the local administration. (ESF-16).
- Separate Cell to be established at state/district/taluk level to coordinate with the NGOs and outside donor/aid agencies. (ESF-16)
- Regular meetings of the different stakeholders/departments should be organized at state level for sharing information, developing strategies for relief operations. (RRC & Collectors at District Level).
- Information & Publicity Relation Dept to coordinate with the media to play a positive role in disseminating appropriate information to public and the government in order to facilitate the speedy recovery. (I & P Dept.)

4.6.3 Assessment of Damage/Loss and Relief needs

- The RRC to issue instructions to the District Collectors to provide the Damage and Loss Assessment Report consolidate the same which will be useful in planning and implementing the relief operations for disaster victims.
- Adequate manpower, vehicles, stationery etc. should be provided to supplement the efforts for need/loss assessment. (ESF5 and 8.)
- The relief need assessment report should be provided by the Collectors. (ESF-8)
- Identification and demolition of dangerous structures in the affected areas to minimize further loss of life and injuries. (ESF 7 and 13)
- Arrangements for distribution of gratuitous relief and cash doles. (DRDM)
- Arrangements to be made for survey of human loss and distribution of ex-gratia relief to the families of deceased persons. (DRDM)
- Teams to be formed and dispatched to the affected areas for detailed assessment of houses and property damage assessment. (ESF-8)

5 Action Plan for Nuclear & Radiological Emergencies

5.1 Introduction

The growth in the application of nuclear science and technology in the fields of power generation, medicine, industry, agriculture, research and defense has led to an increase in the risk of occurrence of Nuclear and Radiological emergencies.

Further, India is also one amongst the seven declared nuclear weapon states which uses nuclear technology for strategic purposes.

The nuclear power station installation of Kalpakkam (about 71 km) and the Kudankulam (about 400 km) in Tamil Nadu are the closet installation to this district. Kalpakkam has all the safety norms and onsite and offsite disaster plans in place. There is no historical disaster events recorded in both these installations.

5.2 Scope of the Action Plan

The scope of this document is from receiving of emergency intimation to the immediate response actions.

5.3 Nuclear and Radiological Emergency/Disaster Scenarios

- An accident taking place in any nuclear facility of the nuclear fuel cycle including the nuclear reactor, or in a facility using radioactive sources, leading to a large-scale release of radioactivity in the environment.
- A critical accident in a nuclear fuel chain reaction takes place inadvertently leading to bursts of neutrons and gamma radiation (as had happened at Tokaimura, Fukushima Japan).
- An accident during the transportation of radioactive material.
- The malevolent use of radioactive material as Radiological Dispersal Device (RDD) by terrorists for dispersing radioactive material in the environment.
- A large-scale nuclear disaster resulting from a nuclear weapon attack (as had happened at Hiroshima and Nagasaki in Japan) which would lead to mass casualties and destruction of large areas and properties.
- Earthquake / Tsunami along the coastal areas.

5.4 Authority

- The Department of Atomic Energy (DAE) has been identified as the nodal agency in the country for providing the necessary technical inputs to the national or local authorities for responding to any nuclear or radiological emergency in the public domain.
- The Ministry of Home Affairs (MHA) is the nodal ministry in such emergencies. For this purpose, a Crisis Management Group (CMG) has been functioning since 1987 at DAE.
- In the event of any radiological or nuclear emergency in the public domain, the CMG is immediately activated and will co-ordinate between the local authority in the affected area and the National Crisis Management Committee (NCMC). The CMG comprises of senior officials drawn from various units of DAE like the Nuclear Power Corporation of India Ltd. (NPCIL), Bhabha Atomic Research Centre (BARC), Heavy Water Board (HWB) and the Directorate of Purchase and Stores (DP&S). It also includes a senior official from the regulatory authority, the Atomic Energy Regulatory Board (AERB). Each member is backed by an alternate member, so that the CMG can be activated at a very short notice. Several Resource Agencies from BARC also back up the CMG. They can provide advice and assistance in the areas of radiation measurement and protection and medical assistance to radiation affected personnel.
- For an effective response to any major nuclear emergency, an immediate communication 18 Emergency Response Centres (ERCs) have been established across the country, by BARC and DAE which is shown in Annexure 3.
- In case of UT of Puducherry the ERC at Kalpakkam and other national resources such as the Armed Forces etc. shall deal with the situation. The role of the State Government and its agencies such as the UT of Puducherry Disaster Management Authority (UTDMA) will only be supportive and be at the directions of the CMG.

5.5 Regulatory Body

- AERB is the nuclear regulatory authority in India which, as per the legal framework of Atomic Energy Act, 1962, has the mandate for issuance of licenses to nuclear and radiation facilities upon ensuring compliance with the applicable standards and codes.
- It is emphasised that the AERB, which oversees nuclear and radiological safety in the country, has the powers to not only license the operation of a facility but also the power to order partial or full shutdown of any facility that violates its guidelines.
- The AERB has been playing a very crucial role in the prevention of nuclear/radiological accidents by ensuring that proper safety design features and operating procedures in all nuclear and radiation facilities are in place.

5.6 Trigger Mechanism

The Trigger Mechanism prescribes the manner in which the disaster response system shall be automatically activated after receiving early warning signals of a disaster happening or likely to happen or on receipt of information of an incident.

As a basic regulatory requirement, emergency preparedness exists at Kalpakkam Atomic Power Station to respond to any on-site emergency in their areas. But to handle radiological emergencies arising from a transport accident or from movement/handling of (have lost regulatory control) or due to malevolent acts like explosion of a Radiological Dispersal Device (RDD), Radiation Exposure Device (RED) or Improvised Nuclear Device (IND) any time or anywhere in the State, a network of 18 number of Emergency Response Centres (ERCs) has been established by Bhabha Atomic Research Center (BRAC) and Department of Atomic Energy (DAE). This network is basically meant for responding to such emergencies and also for providing timely advice and guidance to the first responder at the State and National level. The Kakrapar ERC is equipped with radiation monitoring instruments, protective gear and other supporting infrastructures. Various units of Nuclear Emergency Response Teams (ERTs), consisting of personnel from different DAE units are also being raised. The centralised agency, called the management activities not only by activating these ERC and ERTs but also by mobilising the resources from all DAE facilities, at the time of crisis.

The proposed National Policy on CBRN lays down that in each metropolitan area with population of over 20 lakhs, Additional Emergency Response Centers (AERCs) will be set up on priority basis under the Commissioner of Police of that city. Other AERCs will be set up in cities with a population of over 10 lakhs, and each such city shall have 15 sets of equipments.

5.6.1 Line of Communication and Responsibility for the State

Nuclear Disaster is a situation, where chances of receiving any early warning are very low. In such a situation where no early warning signals are available, the primary objective of the trigger mechanism shall be to mount immediate isolation. The following procedure shall be followed in such situations:

- The Incident Commander for all nuclear hazards shall be the District Magistrate (DM).
- The field functionary at ground zero shall inform the District Emergency Operation Centre (DEOC), and the District Magistrate of the incident. DEOC / District Magistrate shall inform the State Emergency Operation Center (SEOC), the RRC and UTPDMA.
- Immediately thereafter, personnel from the AERC will determine the source of the radioactive emission and its strength (Annexure 4, IAEA-EPR-FIRST RESPONDERS 2006) and report the same Incident Commander-cum- District Collector. In other areas, the District Collector will inform the UTPDMA, Emergency Response Centers for carrying out the function.
- The RRC or UTPDMA shall convene an immediate meeting of the Emergency Support Function Team leaders under the Chief Secretary.

- RRC shall inform National Emergency Operation Center (NEOC) and if required coordinate with Bhabha Atomic Research Center (BARC) for specialised support team from the 18 ERCs.
- The District Magistrate shall review the situation and activate coordination, command and control.
- Director, Health Dept shall place medical and para-medical teams if required at the disposal of the Incident Commander.
- The Fire Brigade as well as personnel/vehicles/equipments from GSD Emergency
- Response Centers (ERCs) will report to the Incident Commander.
- The RRC shall also coordinate immediate evacuation of potentially affected civilians with the Commissioners of local bodies and Collector.
- The QRT shall be deployed
- Chemical Biological Nuclear and Radiological team (CBRN) shall be formed and deployed to ground zero by the incident commander, i.e.the District Magistrate (DM).

Note: - Chemical Biological Nuclear and Radiological team (CBRN), teams requires to be set up in the UT

5.7 Response Mechanism

Response measures are those which are taken instantly prior to, and following, a Nuclear & Radiological emergency aimed at limiting injuries, loss of life and damage to property and the environment and rescuing those who are affected or likely to be affected by it.

National Executive Committee (NEC) will ensure that the functions and responsibilities of the nuclear facility operators and response organisations are clearly defined and understood by all stakeholders. The MHA and the NEC will also determine the actions that need to be performed by each organisation during an emergency and whether it has the necessary resources and capabilities needed for the purpose. The advice of NCMC will also be sought in this matter.

5.7.1 Emergency at Nuclear Facility

In plant emergency, the consequences of the accident are expected to be limited to the plant facility only.

The Site Emergency, wherein the consequences of an accident are not expected to cross the site boundary, that is, the Exclusion Zone - which means that even under this condition, there is no radiological emergency in the public domain. The off-site Emergency, which assumes the highly unlikely possibility of radiological releases in the public domain, and detailed response plans have been drawn up even for this hypothetical scenario at each site. The initial safe distances suggested in Radiological Emergencies (IAEA 2006) are given in Annexure 4. **The local District Administration, the Crisis Management Group, DAE and the National Crisis Management Committee (NCMC) get involved in this type of Emergency.**

6 Action Plan for Industrial (Chemical) Disasters

6.1 Introduction

6.1.1 Background

Puducherry has 77 large scale and 188 medium scale industries (Department of Industries and Commerce, Puducherry, 2014) which includes oil tanks and chemical industries handling highly inflammable products. Other than the toxic gas leak that happened in a factory of Chemfab Alkalis Limited in 26th January 2011, there is no major industrial hazard event reported in the UT. However, due to the presence of large number of industries the district is categorised as moderate risk district. The environmental and land pollution due to the increasing use of disposable plastic bags is increasing particularly in the urban and coastal areas.

6.1.2 Sources of Chemical Disaster

Chemical accidents may originate in:

- Manufacturing and formulation installations including during commissioning and process operations; maintenance and disposal.
- Material handling and storage in manufacturing facilities, and isolated storages; warehouses and godowns including tank farms in ports and docks and fuel depots.
- Transportation (road, rail, air, water, and pipelines).

6.1.3 Causative Factors Leading to Chemical Disasters

Chemical disasters, in general, may result from:

- Fire
- Explosion
- Toxic release
- Poisoning
- Combinations of the above

6.1.4 Initiators of Chemical Accidents

A number of factors including human errors could spark off chemical accidents with the potential to become chemical disasters. These are:

Process and Safety System Failures:

1. Technical errors: design defects, fatigue, metal failure, corrosion etc.
2. Human errors: neglecting safety instructions, deviating from specified procedures etc.

3. Lack of information: absence of emergency warning procedures, nondisclosure of line of treatment etc.
4. Organisational errors: poor emergency planning and coordination, poor communication with public, noncompliance with mock drills/exercises etc., which are required for ensuring a state of quick response and preparedness.

Natural Calamities:

The UT of Pondicherry is highly prone to natural disasters, which can also trigger chemical disasters.

Terrorist Attacks/Sabotage:

Vulnerability to chemical disasters is further compounded by likely terrorist and warfare activities, which include sabotage and attack on strategic installations and transportation vehicles. This can occur at sources listed in para 1.2, anywhere, and at any time.

6.2 Authority

Enforcement and monitoring of chemical safety and emergency Management involves various central/UT ministries/departments.

At the State Level

At the State level, the RRC is responsible to deal with major chemical accidents and to provide expert guidance for handling them. The same existing and established structure could be used for handling Chemical Disasters also.

At the District Level

At the District level, the District Magistrate is responsible to deal with major chemical accidents and to provide expert guidance for handling them. The same existing and established structure could be used for handling Chemical Disasters also.

6.3 Flow of Information (Communication)

A procedure has to be laid out to communicate the accident / attack to the District EOC giving details such as location of incident, chemical(s) involved, severity of incident, casualties (if any), etc. The person in-charge at DEOC shall then inform the first three responders i.e. Emergency Medical Services and Public Health, Fire Service Department and Law and Order enforcement (ESF 2,4,14 and 15). He will then inform the District Collector and all line departments. The District Collector, in turn, would inform the UT of Puducherry Disaster Management Authority (UTPDMA) and the SEC about the incident and ask for additional help in terms of resources and manpower (if at all required) after assessing the situation on site.

The SEC or the UTPDMA would then inform the Central Crisis Group (CRG) about the incident along with other relevant details on hand. The first responders, after reaching the site, will secure more information about the incident and try to establish communication with the concerned agencies / departments for deploying resources / personnel as per the need of the situation.

6.4 Regulatory Framework

The regulatory framework on chemical safety can be traced to the Factories Act, 1948 and chemical class-specific regulations like the Explosives Act, 1884; the Insecticide Act, 1968; and The Petroleum Act, 1934. Later, an umbrella Act, the Environment (Protection) Act, 1986, was enacted, which also deals with chemical management and safety. A number of regulations covering safety in transportation, insurance, liability and compensations were enacted thereafter. The Government of India has further reinforced the legal framework on chemical safety and management of chemical accidents by enacting new rules and by way of amendments to them (Annexure 7).

6.5 Trigger Mechanism for Industrial (Chemical) Disasters

On getting the first hand information about an emergency/disaster, the in-charge of the DEOC should immediately inform the District Collector and the first three responders i.e. Emergency Medical Services and Public Health, Search & Rescue, Hazardous Material Response, and Law and Order enforcement (ESF 2,4,14 and 15).

The notification should specify the location of the incident, the type of chemical released/used (if known), possible consequences and provide written reports on actions taken and on health effects. The District Collector should then inform the SEOC, the UTPDMA and the Chairman of the SEC about the incident.

The SEOC will then issue alert to all the ESF Teams at the State and District level for providing their services immediately. The ESF Team Leaders will immediately take decision to deploy QRTs in the affected area/s.

During the initial stages of the emergency it is likely that the reports may be unclear and conflicting. Therefore, the first responders conducting the on-site assessment should secure reliable sources of information to allow an objective assessment of the situation. The assessment should include casualty, material damages, and the likely health consequences.

It should also suggest antidotes and treatment regimes for those affected by medical care if the type/nature of chemical released/used during the attack is known.

The RRC, after analyzing the information received from the District Collector and the first responders would then decide on mobilization of additional resources, medical aid and rescue equipment as required through various sources.

The RRC should also instruct the Fire & Emergency/Rescue Services and Hospitals of the neighbouring districts to be on alert in case their services are needed.

The Team Leader of the QRT should cordon off the affected area. He should instruct the neighbouring population to stay away from the site. He should instruct the medical unit to detect the substances used during the attack through the available equipment/kit. He should also decide the place for establishing the decontamination unit at an appropriate location in consultation with doctors and paramedics. The QRT of Search & Rescue Team of should rescue and evacuate the affected people to a safe location.

6.6 Response for Industrial (Chemical) Disasters

Response measures are those which are taken instantly prior to, and following, a Industrial (Chemical) emergency/attack aimed at limiting injuries, loss of life and damage to property and the environment and rescuing those who are affected or likely to be affected by it.

RRC will ensure that the functions and responsibilities of the chemical facility operators and response organisations are clearly defined and understood by all stakeholders. RRC will also determine the actions that need to be performed by each organisation during an emergency and whether it has the necessary resources and capabilities needed for the purpose.

For the fastest response, it is very important that the person who is receiving the information shall immediately pass on to the first responders, Dist. Collector, Sub Div. Magistrate and other members of DEOC/SEOC. If he receives, further information after making the first call, he will convey that also in same order. Alternatively, if the information is more relevant to any particular department, he will first pass that information to its head.

The specific activities and role & responsibilities are as under

6.6.1 Response to Off-site emergency

Sl.No	Task	Responsibility	Activity
1	Disaster declaration and Plan Activation	Collector	<ul style="list-style-type: none"> Declare an off-site emergency and activate an off-site emergency plan. Activate ESF. Establish immediate communication with ESF, DEOC, SEOC and UTPDMA.
2	Mobilization & Deployment	Collector, Commissioners of local bodies,, Health Dept., Industry/Industrial Association,	<ul style="list-style-type: none"> Arrange an immediate deployment of various QRTs in affected sector(s). (Police, Fire, S&R, Medical etc.) Based on the emergency monitoring teams from off-site areas initiate countermeasures (such as sheltering and medical help). Arrange an evacuation of the affected/likely to be

			<p>affected workers and population to safer places.</p> <ul style="list-style-type: none"> • Activate systems of the State machinery to meet the necessary requirements of the public in the camp till the people are in a position to go back to their homes after the affected areas are cleared and declared safe. • Deploy QRTs/MFRs consisting of physicians, triage officer, nurses and paramedical staff.
		RRC, Civil Supplies Dept., Collectors, Commissioners of local bodies, PWD Health Dept., Electricity dept & Local Authorities	<ul style="list-style-type: none"> • To ensure that necessary arrangements at evacuation/relief centers is made with sufficient availability of: <ul style="list-style-type: none"> ❖ Food, ❖ Water, ❖ Blankets/Clothing ❖ Medicines ❖ Lighting ❖ Sanitation and hygiene etc. • To ensure necessary security arrangements for the personals (Emergency responders/relief teams) who are working at Relief Centers and involved in distribution of Relief Materials. • To ensure that law and order is maintained at evacuation/relief centers and in the affected areas as well.
3	Addressing Health related issues	Health Dept.	<ul style="list-style-type: none"> • Ensure that the required medical assistance/aid and medicines/antidotes are provided to the affected people at site as well as at evacuation/relief centres in the affected area and necessary records are maintained. • Ensure that the Hospitals are well prepared to deal with seriously injured persons. • Keep adequate stock of essential medicines, antidotes, first-aid etc. • If required, take the help of doctors/paramedics from the list of doctors/paramedics available at the • taluk/district level for immediate medical assistance.
4	Information to public and media	Collector, RRC, I&P Dept. Commissioners of local bodies	<ul style="list-style-type: none"> • Make an arrangement for providing useful, timely, correct, consistent, and appropriate information to the public and media in the event of a chemical attack/disaster. • Ensure that the information to media/general public about the coordinated response is released in an organized manner.
5	Disposal of Dead bodies	DRDM., Collector/s, Health Dept., Local Authorities, Industry/Industrial Association	<ul style="list-style-type: none"> • Ensure following procedure is followed before disposal/handing over of dead bodies: <ul style="list-style-type: none"> ❖ Photographs of the dead bodies are taken, ❖ Identification of the dead bodies is done. ❖ Post Mortem where ever necessary and possible is carried out.

			<ul style="list-style-type: none"> ❖ Handing over dead bodies of persons known/identified to their relatives • Disposal of unclaimed and unidentified dead bodies
		Animal Husbandry Depts., Local Authorities, health dept.	<ul style="list-style-type: none"> • Animal Husbandry Department to ensure veterinary aid to cattle that are injured. • Disposal of animal carcasses with the help of local bodies/health dept.
Roles and Responsibility of some of the First Responders during chemical attack/emergency			
1	Police	SSP (L&O)	<ul style="list-style-type: none"> • Control and divert the traffic near the affected areas. • Ensure law and order at the incident site during chemical emergency/disaster and at evacuation centres too. • Provide security in evacuated areas SSP(L&O) will direct the participation of police in the emergency response. • The SSP(L&O) will establish contact with the District Police Control Room immediately. He will get a situation estimate and assess the operational requirements for the police. • The SSP(L&O) will issue an alert to the surrounding districts. He will direct all the police officials to be deployed if necessary. The SSP will ensure that the police forces required for traffic management, evacuation and law and order are available with the District administration. • The SSP will review the dissemination of warning and the need for evacuation. He will help the Fire & Emergency Services and Health with Police Wireless sets, so that there is continuous communication among the first responders in the emergency situation. • The SSP will ensure that the police force will not enter the area under disaster without the permission of the Fire & Emergency Services and Health officials. • In case of big explosion and fire, the SSP will assess the situation and suggest a Plan of action based on his assessment of the immediate causation.
			<ul style="list-style-type: none"> • The SSP will order deployment of the police force for evacuation of the people from the zone of the danger. • The SSP will send instructions for the cordoning off of the area. People should not be allowed access anywhere close to the site of the disaster.

			<ul style="list-style-type: none"> • The SSP will review the traffic management in the area. The primary aim would be to ensure the transport of the injured to the hospital, easy access for emergency responders and safe evacuation of the people from the danger zone. • The SSP will also issue directives that all the Private and Public Transport (trains and buses) be diverted from the disaster area. • The SSP will contact the DIG and ask him to organize the deployment of police force from other Districts, based on the need assessment. The SSP will also contact the Central Industrial Security • Forces, and other paramilitary forces to seek their deployment, if needed. • The SSP will supervise law and order situation. He will take all the possible precautions to ensure that public order is maintained, and no one takes undue advantage of the situation.
2	Fire and S & R	Fire Services Dept.	<ul style="list-style-type: none"> • Reach at the site soonest possible and assess the situation. (information about the chemical leak/spill, the action taken and current status) • In case of fire, start fire fighting with suitable media and also take care of surrounding storages/tanks to be over heated so that reduce the spreading effect. • In case of chemical leak, try to plugging/stopping of leak with the use of proper PPE • Director, Dept.of Industries & Commerce will also coordinate with the Private and Public Sector industries for deployment of their Fire Brigades to the site of the disaster. • Search and identify the risk and nullify the sources of leak / toxic release. If any unclear or unidentified substance or source is identified or detected, the team should send them immediately to the laboratory for further investigation / analysis • To search and evacuate the affected population from the site of the incident.
3	Medical Services	Dept. of Health and Family Welfare	<ul style="list-style-type: none"> • The Director, Health, and emergency medicine experts will provide the necessary expertise and specialized services. • The RRC will consider the level of exposure on the basis of situation estimate received from the District administration. It will consider the intrinsic toxic potential of the chemical, its concentration, the duration of exposure, and the health status of the people exposed. • Based on the information upon the level and

			<p>extent of contamination, the RRC will decide on the issue of alert and warning to the people in the affected areas through the All India Radio, Doordarshan, and Cable TV.</p> <ul style="list-style-type: none"> • The RRC will contact the Director of Health and the District Health Officer of the concerned district and ask them to deploy all the necessary medical facilities including doctors, nurses, medicines, and ambulances. • The RRC will alert major hospitals in the area, and ask them to be in readiness for receiving patients. • In case the nature of contamination requires much greater intervention, the RRC will inform the ESF-2 and ask for the necessary medical assistance of experts, doctors and equipments. The relevant agency for emergency medicine in the Government of India is the Directorate General of the Health Services (DGHS) in the Ministry of Health and Family Welfare. The DGHS has set up the Emergency Medical Relief cell, for dealing with these contingencies. • The RRC will review the diagnostic support services: <ul style="list-style-type: none"> • clinical laboratory, blood banks, radiology, pathology, pharmacy, paramedics, Red Cross, NGOs and volunteer personnel. It will seek all the steps to organize the necessary medical help through the • deployment of doctors, paramedics, and provision of blood and medicines, as required. • The RRC will review the administrative support required for the situation, which includes communications, transport of the victims and of the personnel, feeding of the personnel and patients, and supplies. • The RRC will collect information on the number of deaths and persons injured; the nature of injuries and the likely long-term consequences. • The RRC must assess the medical needs of the area on the basis of likely long-term consequences and take steps to equip local medical facilities for treating people on a long-term basis. The RRC must also make financial provision for spending on long-term treatment.
--	--	--	---

6.7 Responsibilities after the disaster

Once the situation at the site is under control, fire has been extinguished; the emission of vapours to the atmosphere has been effectively checked, the following actions have to be performed by various sub-teams of the QRT and the respective line departments as well as the district administration:

Search & Detection of Leak / Toxic Release - The Search & Detection Team would identify the risk and nullify the sources of leak / toxic release. If any unclear or unidentified substance or source is identified or detected, the team should send them immediately to the laboratory for further investigation / analysis. The Team should also preserve the samples from the site of the incident such as sand, water, air and other infected substances for further investigation which could aid in strengthening the case later on.

Technical expertise of Science and Technology Department, Fire & Emergency Services and the Health Department may be used by the Search & Detection Team in carrying out the activities if required.

Structural Inspections After Fires or Explosions - A major explosion could damage or destroy numerous buildings and any nearby bridges etc. Similarly large fires can have major effects on buildings and other infrastructure facilities over a vast surrounding area. In either case, residents / owners of the partially damaged buildings will want to know if the structures are safe to occupy while they await repairs. Questions pertaining to the safety of highway or railway bridges must also be resolved quickly to avoid traffic complications. It must be ensured that the inspection personnel have special precautions (i.e., chemical protective gear) in addition to normal safety equipment in those cases where the structure may still be contaminated by hazardous residues.

Fire & Emergency Services personnel along with the structural experts from the PWD shall be responsible for inspecting the structural integrity of damaged buildings, bridges, or other structures in the aftermath of a fire or explosion.

Search, Rescue And Evacuation - After getting the go ahead from the technical personnel responsible for ensuring structural safety of the buildings in and around the incident site, the Search & Rescue Team(ESF-4) should carry out their job and evacuate the affected population from the site of the incident. They should brief the Information Officer about the rescue and evacuation status (including the place of temporary shelter) to ensure that no rumours are spread to avoid any panic amongst the general public. The Team, with the help of Police personnel should also stop general public from moving towards the danger zone. The Team should provide guidance to people regarding evacuation route, first aid and decontamination area. They should also help the Medical Team in rushing the victims to nearby hospitals.

Post-Incident Testing for Contamination - The De-contamination Team would be responsible to decontaminate the affected area, population, members of the QRT and equipment used during the operation on the site of the incident. In addition, the Team should also be responsible for erecting the decontamination chambers for the affected population. After the operation is completed in all respects, the Team should ensure that the site is totally decontaminated from the toxic substances. The Team should also ensure that the water that was used for decontamination is properly discharged preferably to a sewerage system outlet.

Technical personnel from the S&T Department, Fire & Emergency Services and the nearby industrial units as well as the personnel from the Medical Team should help the De-contamination Team to carry out their duty. Further, the Team shall also check crops, water (ground & surface), homes, stored foods, and animals for possible chemical contamination.

Providing Medical And First Aid To The Victims - The Medical Team should provide first aid to the victims of the incident. If need arises, the Team should also help the hospital staff of the hospital where the victims would be transported from the incident site. They should monitor the level of triage of the victims through checking their breathing and pulse. They should also decide on the type of decontamination (either wet or dry) depending upon the substances / chemicals used during the disaster. The Team should also identify the trauma cases and counsel them appropriately.

Provision of Alternate Water Supplies - There are a number of circumstances under which a potable water supply may become unfit for human consumption for a time and require replacement. This is most commonly accomplished by bringing in supplies of bottled water and / or tankers / trailers capable of carrying water. The district administration must ensure the availability of potable water for consumption of affected population as well as first responders engaged at the incident site.

Re-Entry Into Evacuated Areas - Based on the assessment of the situation at the site, the DEOC would take a decision on the termination of emergency. However, before taking this decision, several other actions needs to be ascertained such as restoration of electricity, gas, and water supplies in the affected areas / buildings, transport arrangements for bringing the affected population back from the temporary shelters, restoration of law & order in the affected area /s, etc. through the concerned Teams / departments.

Responsibility of the other Statutory Authority

The designated authority under various statues like Indian Boiler Act, Factory Act, E.P. Act, Explosive Act, Static and Mobile Pressure Vessel Act etc. shall perform post emergency activities as prescribed by the statutes and also as may be directed by District Collector .

Annexure-1

Details of ESF leader / QRTs

EMERGENCY SUPPORT FUNCTION LEADERS

SL. NO	NUMBER AND DETAILS OF THE ESF		NAME OF THE TEAM LEADER	CONTACT NUMBER
1.	3	Emergency Public Information, Help line & Warning	Dr. S. Sundaravadivelu District Collector	9442508261
	6	Evacuation		
	8	Assessment Damage		
2.	1	Communication	V. J Chandran, IPS, SSP (L&O)	9489205002
3.	2	Emergency Medical Services and Public Health	K.V. Raman, Director of Health	9443147344
4.	5	Transport	S. D. Sundaresan, Transport Commissioner	9443633122
5.	4	Search & Rescue	Arumugam. S.P, Divisional Fire Officer	9443209101
6.	7	Debris Clearance & Equipment Support	P. Swaminathan, Chief Engineer, PWD	9842528341
7.	9	Relief Camps	M. Gunasegaran, Director, Department of Women and Child Development	9443659799
8.	10	Food and Civil Supplies	P.Priyarthny, Director, Department of Civil Supplies	9487751302
9.	11	Water Supply and Sanitation	P. Saminathan Superintending Engineer-II, PWD	9842528341
10.	12	Electricity Restoration	K. Madivannan, Superintending Engineer-I, Electricity Department	9489080301 2255420
11.	13	Public Works and Engineering	S. Manohar Chief Engineer, PWD	2342662 9443220603
12.	14	Fire Fighting / Hazardous Materials Response	Arumugam. S.P, Divisional Fire Officer	9443209101
13.	15 A	Law & Order	N. Ravi Kumar, SP (North)	9489205005 2338756
14.	15 B	Law & Order	T. Bairavaswamy, SP (South)	9843882427 9489205006 2272581
15.	15 C	Law & Order	V. Deivasigamani, SP (Rural)	9489205007 9443266916 2619074
16.	16	Resources Mobilization; Contracting Services; Volunteer and Donation Support	R. Meenakumari, Director, Social Welfare Department	9488736093 2206812 2206762

Annexure-2

ESF WISE TEAM DETAILS

ESF I – COMMUNICATION

SCOPE:

The major requirement during any natural or man-made disasters response is the presence of a fool-proof communication system which should serve as the life-line of all Emergency Support Function and the overall co-ordination effort.

ASSUMPTION:

Existing communication systems may have been disrupted owing to the disaster.

Whatever existing communication, channels may be heavily crowded – owing to heavy usage of the network by many persons.

PRIMARY AGENCY: Police Department

SUPPORT AGENCY: BSNL, NIC, Electricity Dept, IT Department, HAM Radio Operators, DD/AIR & Private Telecom Operators

TEAM LEADER: Senior Superintendent of Police (L & O)

SOP FOR COMMUNICATION ESF:

- Team Leader (TL) of communication ESF/Senior Superintendent of Police (L & O) will activate the ESF on receiving the intimation of the disaster from EOC.
- SSP(L&O) would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- SSP(L&O) requests for reports on the incident from the local ESF contact person (this would be the local office of ESF Nodal Agency- Superintendent Police of the region concerned).
- Within half-an-hour of the occurrence of the disaster, the Team Leader convenes an urgent meeting of all ESF Members and seeks a status report on the extent of damage to telecom services and network.
- Based on the inputs from the Support Agencies and the private telecom operators, the Team Leader works out a Contingency Communication Plan, which is reliable and appropriate.
- TL issues orders to establish systems and reports to State and District EOCs on the action taken. New members and details of contact persons would also be communicated. If required mobile exchanges would be deployed.
- HAM radio operators, through their association, would be informed of the requirements and coordination mechanisms shared with them.

- TL gets the temporary telephone facilities established for the public and information on this is announced through media and ESF# Public Emergency Information / warning.
- TL informs the Incident Commander of the status of telecom services and the alternate arrangements made.

SOP FOR QUICK RESPONSE TEAM ON COMMUNICATION:

- The main task of the QRT on Communication is to secure and provide a reliable and quick communication network for the Incident Command Team at the site and the Incident Commander of the Headquarters/EOC.
- The QRT of Communication ESF will be headed by the Superintendent of Police (Wireless).
- The other Members of the QRT are DGM of BSNL, DIO of NIC, Programmer of IT Department and Representatives of private Telecom operators.
- After briefing by the Team Leader, the QRT rushes immediately to the site.
- Superintendent of Police, (Wireless) will ensure that soon after the disaster is reported, he will close down all normal communication and keep the network available for communication regarding the disaster.
- S.P(Wireless) liaises with the Incident Commander at the site and the number of deaths, injured and preliminary extent of damage to public and private property are conveyed to the Team Leader for briefing the Incident Commander at Headquarters
- He will operate a separate log to register the communication done pertaining to disaster.
- SP(Wireless) in Puducherry and Officer Incharge (Wireless) in other three regions will contact jurisdictional SP or the command post commander to install necessary HF/VHF sets in the command post manned by appropriate personnel.
- The QRTs on communication will liaise with other QRTs for the requirement of vehicle, materials and manpower for repair and normalization of the communication system.
- Meanwhile, the private telecom operators and the State owned BSNL through
- their local staff carry out repair works to revive the communication network.
- The Programme Officer of NIC and IT Department will assist the Incident Command Team at the site in sending reports and other information through E-Mail on a dedicated leased line provided by BSNL / VSNL.

Contact Details of ESF 1

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	V.J Chandran, IPS	Senior Superintendent of Police (L&O), Puducherry	2205303 2205304 9489205004 9894067835
ALTERNATE ESF TEAM LEADER			
1.	Mahesh Kumar Barnwal	Superintendent of Police (Wireless), Puducherry	9489205017
ESF MEMBERS			
1.	V. Muthiah	Deputy General Manager, BSNL, Puducherry	9486100026
2.	D. Stephen Joseph,	Asst. Executive Engineer, Electricity Dept., Puducherry	9489080304
3.	S. Sivanandam	Technical Director, NIC, Puducherry	9442172161
4.	M. Sivapragasam	Programme Head, All India Radio, Puducherry	9486829860
5.	A. Ravi	Production Assistant, Doordarshan Kendra, Puducherry	9789674999
6.	P. Ragupathi	Data Processing Assistant, IT Department	9442341282
7.	Sundar	Airtel Limited, Puducherry	99440973030
8.	S. Karthikeyan	Network Operations, Tata Teleservices Ltd., Puducherry	9282109242
9.	Anand	Team Leader, MTS, Chennai	9150000988
10.	Rajesh Khanna	Manager, Vodafone, Puducherry	9943099439
11.	Sathyamurthy	Reliance Communications, Puducherry	0413-3032000 9344456600

12.	Pitha Kumar	Deputy General Manager, IDEA, Puducherry	0413-4304401 9092005333
QRT MEMBERS			
1.	Mahesh Kumar Barnwal	Superintendent of Police (Wireless), Puducherry	9489205017
2.	R. Umashankar	Divisional Engineer (Urban), BSNL, Puducherry	9486102789
3.	T.S. Kumaresh	Scientist-C, NIC, Puducherry	9486366208
4.	Dr. S. Bascarane	Web Officer, Police Department, Puducherry	9443560717

ESF II - EMERGENCY MEDICAL SERVICES AND PUBLIC HEALTH

SCOPE:

The Emergency Medical Services ESF will primarily look after emergency treatment for the injured people immediately after the disaster and also be responsible for ensuring that there is no outbreak of any epidemic.

ASSUMPTIONS:

Emergency Medical Services are required for the affected population to save precious lives and treat the injured.

Emergency Medical Services are required to prevent possible outbreak of epidemic after a disaster.

Normal Health care facilities might have also been affected. (Hospital buildings too might have collapsed by earthquake).

PRIMARY AGENCY: Health Department

SUPPORT AGENCY: GH, JIPMER PIMS, MGDCRI Blood Banks, Ambulance Services, Rotary, Lions Club , Red Cross, MGPIIDS, MTPG RIHS, Revenue, Lad, Electricity, Police, NCC.

TEAM LEADER: Director (Health Services)

SOPS FOR EMERGENCY MEDICAL SERVICES AND PUBLIC HEALTH:

The Director of Health Services (Team Leader) will get the information of the disaster from the IC/EOC.

- The TL will immediately convene an urgent meeting of Nodal Officers of Supporting Agencies within half an hour of the occurrence of the disaster.
- The TL would conduct an assessment of the damage/disruption of any facility existing owing to the disaster.
- Additional Medical practitioners or specialists needed for dealing with specific influenza stains like H1N1, Bird Flu, etc. will be alerted and teamed for duty in disaster areas.
- The TL will coordinate with ESF – Transport, ESF-Search & Rescue and ESF – Relief Camps for providing and augmenting medical services.

If Temporary shelters are being made for the affected population, the TL should ensure high standards of sanitation and prevent outbreak of epidemic.

TL should provide medicines and other medical facilities required at the site.

TL should contact ESF – Electricity for provision of back-up services for medical equipments.

SOPs FOR QUICK RESPONSE TEAM (QRT) FOR EMERGENCY MEDICAL SERVICES AND PUBLIC HEALTH ESF:

The QRT will be headed by Medical Superintendent of General Hospital, Puducherry, if the site of occurrence of disaster is within Puducherry region.

- IF the site of the occurrence of disaster is Karaikal, Mahe, Yanam, the M.S. of the respective General Hospital will be the Team Leader.
- The other Members of the QRT are Deputy Director(Public Health), Specialist in Surgery, GH, Microbiologist, G.H, Executive Engineer (Public Health), Under Secretary(Health).
- The QRT will rush to the site of the incident within half-an-hour of the occurrence of the event with necessary equipments, ambulances and Medical / Paramedical staff trained in Mass Casualty Management.
- The QRT sets up a command site near the disaster area.

Contact Details of ESF 2

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	K.V. Raman	Director, Directorate of Health and Family welfare Services	9443147344 2229350
ALTERNATIVE TEAM LEADER			
1.	Dr.T.Kumaravel	Deputy Director (Public Health),DHFWS,Puducherry	9443202831 2229356
ESF MEMBERS			
1	R.Dakshanamurty	Assistant Engineer, Electricity Department	9489080331
2	M. Eganathan	President Elec. Rotary club of Elites	9486478246 2223171
3	Lion.S. Vijayakumar	Dist. Chairman, Lions club of Pondicherry	9894788543 2200677
4	Dr.S.Saravanan	Professor, MGPGIDS	9843232828
5	Dr.P.D.Balamuarli	Professor, MGPGIDS	9444241550 2202221
6	Col.Rajesh Gupta	Commanding Officer, NCC	8760666557 2254348
7	K.P.Kaliaperumal	Deputy Director (Rural Dev.)	2224721

8	Dr. (Brig) Zile singh	HOD, Community Medicine, PIMS	96291706804 2656068
9	Dr.Anita Rutagi	AMS,JIPMER	9442529118 2279118
10.	Dr. R.Murali	Dean, Mother Teresa	9443212716 2357327
QRT Members			
1	Dr. S. Mohankumar	M.S. IGGGH&PGI	9443220339 2203397
2	Mr. U. Sekar	Deputy Tahsildar, O/o Director of survey and Land Records	9445418732 2231151
3	Sub Rangarajan	NCC, Puducherry	9894279692
4	Sub Patel	NCC, Puducherry	9159147950
5	Sub Velmurugan	NCC, Puducherry	9381433506
6.	Dr. S. Naveen	Asst. Professor, Emergency Medicine, PIMS	9500547147 2656271
7.	Mr. Muthulingam	Commissioner, Bahour Commune Panchayat.	9443363376 2633438
8.	P. Seetharaman	Commissioner, Villianur Commune Panchayat	9443353282 2666326
9.	Dr.G. Ragunathan	RMO,IGGGH&PGI	9443090013 2336138
10.	Dr.K.G.Ravi	PRO, IGGGH& PGI	9443459348 2336138
11.	Dr.M.J.Ambrose	Addl.Medical Superintendent, JIPMER,Puducherry	2275238 / 2272735 / 2338877

ESF III - EMERGENCY WARNING, PUBLIC INFORMATION AND HELPLINE

SCOPE:

The flow of accurate and timely emergency information is critical to the protection of lives and property in the wake of a disaster. Preparation and dissemination of notifications, updates, warnings and providing emergency Toll-free help-line for public to enquire the whereabouts of their near and dear.

ASSUMPTION:

1. During calamities, lots of unsubstantiated news, i.e. rumours may circulate which may further aggravate the situation.
2. Therefore, there is a need to provide Genuine / Authentic information about the incident, number of deaths, injured, missing, etc.

PRIMARY AGENCY: Revenue Department

SUPPORT AGENCY: Information and Publicity Dept, Planning and Research Dept, Education Dept, NIC, Media, NGO's, Dept of Health, DD/AIR.

TEAM LEADER: Collector

SOP FOR EMERGENCY WARNING AND PUBLIC INFORMATION AND HELP LINE:

- The Collector will be the Team Leader(TL) of the ESF Emergency Warning and Public Information.
- The Collector as the Head of the Emergency Operation Centre will be the first person to be alerted of any natural disaster for which early warning systems exist.
- As soon as the EOC / Collector receive information about any impending disaster like Tsunami, Cyclone, Flash Floods from Agencies like INCOIS, Meteorological Department / Ministry of Home Affairs, the Incident Commander is briefed by the Collector about the information received and the veracity of the information is confirmed.
- Immediately, a meeting is convened by the Collector with the Team Leaders of Communication, Evacuation and Transportation ESFs.
- For all the natural disasters, for which Early Warning is possible, the lead time to alert the vulnerable population will vary from half-an-hour for Tsunami to one day for heavy rain, flood.
- If the Early Warning is for Tsunami, the Warning is disseminated to the coastal communities through the VHF wireless communication already established in all fisherman and coastal villages.
- Before the announcement is made through the public address system, the corresponding ESFs required for Evacuation and Transportation will be alerted through the EOC.

- The Special Officer in the Office of the Collector will be the Nodal Officer for Warning dissemination for Tsunami.
- For Cyclones and Flash Floods, where lead time is a day or more, advance warning is given through Mass Media, Television Channels and Cable Networks. The Nodal Officer will be the Revenue Officer , Office of the Collector.

SOPs FOR QUICK RESPONSE TEAMS:

- The Tahsildar, EOC / Disaster Management will be the Team Leader of the Quick Response Team.
- The other Members of the QRT are Director, Information and Publicity, DIO of NIC, Deputy Director(Health), Deputy Director(Planning and Research), Deputy Director (Education) and NGO Representatives.
- QRT will rush to the site within one hour of the occurrence of the disaster.
- Assistant Director (Protocol), Information Department will be stationed at the
- Emergency Operation Centre and liaise between the EOC and the Mass Media.
- The Programme Officer, NIC will facilitate opening of the Media Centre at the site of the Disaster
- The Deputy Director (Planning and Research Department) will compile a status report on the number of deaths and injured persons, if any.
- Director (Information and Publicity) will cause flash news of latest updates, donation requirements for disaster area to be displayed in all cable and television channels. He will also set up the toll free number for emergency information / assistance regarding the missing relatives, friends, etc.
- The help desk at the site of the disaster will be manned by the Assistant Director (Publication).
- Under Secretary (DP&AR) will supplement, required Ministerial Staff for ESF.

Contact Details of ESF 3

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Dr. S. Sundaravadivelu	District Collector	9442508261
ALTERNATE ESF TEAM LEADER			
1.	A. Vincent Rayar	Deputy Collector(Revenue) North, Puducherry	2248686 9443383418
SUPPORT AGENCIES			
1.	N.Udaykumar	Director, Dept of Information and Publicity	2334398 / 2294242 9360525740
2.	N. Sumathi	Director, Department of Planning & Research	9442929130 2248668
3.	B. Zareena Begam	Deputy Director (Admn.) Education Department	9442031172 2207205
4.	R. Govindan	Principal System Analyst, NIC, Puducherry	9442132470
5.	Dr. N.L.N. Sharma	DD (Imm), Health Dept., Puducherry.	2249358
6.	M. Kandasamy	Special Officer, O/o the Collector	9443407852
7.	R. Devanandane	A.E., Doordarhan	2275073 9443219708
8.	G. Swaminathan	Program Executive, FM Rainbow, AIR	9443192612
QRT MEMBERS			
1.	V. Mahadevan	Tahsildar, EOC/Disaster Management	9543304322
2.	K.G. Dominique Savio	AD, Information & Publicity	2294242 / 2334326
3.	R. Asokan	DD, Planning and Research Dept., Puduchery	9443127592 2243019
4.	P. Ragupathi	Data Processing Assistant, DIT	9442341282
5.	R. Kalaiselvan	Chief Educational Officer	9443500030
6.	Dr.T.Kumaravel	Deputy Director (Public Health),DHFWS,Puducherry	9443202831 2229356

ESF IV - SEARCH AND RESCUE

SCOPE:

Search and rescue operations are one of the primary activities in a disaster situation. The Swiftness and promptness in carrying out search and rescue operations can make a remarkable difference in loss of life and property. It also involves removal of trapped and injured persons from collapsed buildings/rubble, administering first aid and assisting them in transporting the injured to medical facilities.

ASSUMPTIONS:

1. The local population will initiate search and rescue at their level.
2. Spontaneous volunteers involved in search and rescue will require coordination.
3. Access to affected areas will be limited. Some sites may be accessible only through air.

PRIMARY AGENCY: Fire Service

SUPPORT AGENCY: Police, (Home guards IRBn), Health Dept, municipality, Block Development office, Taluk office, Commune Panchayat, PTDC, NCC, Fisheries Dept, Animal husbandry, Coast Guard, Dept of Town & Country Planning, Electricity Dept.

TEAM LEADER: Divisional Fire Officer

SOP FOR SEARCH AND RESCUE:

- The TL of the ESF will get the information about the disaster from the EOC. The TL will alert the Nodal Officers of the Supporting Agencies.
- The TL will make a quick assessment on the scale of damages and the possible number of people trapped inside the collapsed buildings.
- The Quick Response Team (QRT) for search and rescue will be formed by the Nodal Officers of the Supporting Agencies.
- The TL makes a realistic assessment of the specific skill sets and other equipments required.
- Using the local resource network, the availability of earth moving equipments and concrete cutting machines is undertaken.

SOP FOR QUICK RESPONSE TEAM:

- The Quick Response Team (QRT) formed from among the support agencies will be dispatched to the disaster site.
- The QRT will make an assessment of the damage (No. of buildings damaged, severity of damage and the no. of people suspected to be trapped and the no. of people died).
- The QRTs will send an incident status report to the TL.
- The QRT will be headed by SFO of the respective region.

- PHC, Commissioner, Municipality/Commune/Panchayat, Tahsildar of the respective Taluk, Deputy Director, Fisheries, Deputy Commandant, IRBN.
- As soon as the QRT identifies any survivor trapped inside a rubble the concrete cutter is used to cut the rubble and retrieve survivors.
- The Chief Medical Officer from the Primary Health Centre immediately administer first Aid and if required referred to Government Hospital or other specialty hospitals for further treatment.
- The professional dog teams will be pressed into service by the police team for rescue.
- The S.F.O. will plan and assist in rescuing people caught in fire in high rise buildings.
- Fire Engine with ladder, rope repelling unit will be pressed into service for rescue effort in heavy floods, fire etc.
- In case of missing fisherman, the Director of Fisheries will follow the established procedure as per the Departmental SOP.

Contact Details of ESF 4

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Arumugam, S.P	Divisional Fire Officer	2336677 9443209101
ALTERNATE ESF TEAM LEADER			
1	R. Rithosh Chandra	Station Officer, Villianur Fire Station	2668101 9940997097
ESF MEMBERS			
1	V.J Chandran IPS	IRBn Commandant (Police)	2279060 / 2273409
2	Dr. K.V. Raman	Director, Health Department	2229350 9443147344
3	K. Mathivanan	Superintendent Engineer-I, Electricity Department	2334277 9489080301
4	Chandrasekaran. R	Commissioner, Puducherry Municipality	2330474 9442108400
5	M.S Ramesh	Commissioner, Oulgaret Municipality	2201142 9443371671
6	P. Parimalarangam	Commissioner, Ariyankuppam Commune Panchayat	2601376 2600711 9443389739
7	S. Mouthou Lingam	Commissioner, Bahour	2633438

Sl. No.	Name of the Official	Designation / Office	Contact Number
		Commune Panchayat	2633885 9443363376
8	D. Arumugam	Commissioner, Mannadipet Commune Panchayat	2640161 9443364016
9	P. Seetharaman	Commissioner, Villianur Commune Panchayat	2666326 2660401 944353282
10	L. Chandrasegaran	Commissioner, Nettapakkam Commune Panchayat	2699108 2698555 9443369198
11	P. Sagunthala	Block Development Officer, Villianur (Additional Change)	2666325
12	S. Kuppusamy	Block Development Officer, Oulgaret	2290823 9488494900
13	S. Kuppusamy	Block Development Officer, Ariyankuppam	2600164 9488494900
14	J. Dayalane	Tahsildar, Puducherry Taluk Office	2356314 9486535544
15	A. Suresh Raj	Tahsildar, Oulgaret Taluk Office	2254449 9626094844
16	A. Sivasankaran	Tahsildar, Villianur Taluk Office	2666364 8680973607
17	S. Prabakaran	Tahsildar, Bahour Taluk Office	2633453 94435336206
18	S. Sivanandam	Assistant Engineer, PRTC	2201585 9787100975
19	Col. Anil Nautiyal	Group Commander, NCC	2252764 9843238139
20	Marie Chinna Rani	Director of Fisheries and Fishermen Welfare	2228761 9790018896
21	Dr. R. Manogaran	Joint Director (CR), Animal Husbandary & Animal Welfare	9488051100 2206889
22	R.V. Singh	Deputy Commandant, Indian Coast Guard Station	9283675587 2239850
23	V. Bhuvaneshwaran	Joint Town Planner, Department of Town & Country	9443290069 2200051

Sl. No.	Name of the Official	Designation / Office	Contact Number
		Planning	
QRT MEMBERS			
1	A. Suresh	Station Officer, Puducherry Fire Station	101, 2336238 9894795492
2	T. Krishnamourthy	Station Officer, D' Nagar Fire Station	2272913 9500285475
3	R. Rithosh Chandra	Station Officer, Villianur Fire Station	2668101 9940997097
4	S. Manogaran	Station Officer, buvanai Fire Station	2641101 9894052099
5	S. Latchoumanan	Station Officer, kkanur Fire Station	2688101 994199714
6	S. Manogaran	Station Officer, Madukarai Fire Station	2699101 9894052099
7	T. Irison	Station Officer, Bahour Fire Station	2633101 9600507950
8	A. Suresh	Station Officer, Kalapet Fire Station	2655873 9894795492
9	S. Latchoumanan	Station Officer, Sedarapet Fire Station	2678101 994199714
10	Dr. R. M. Murugan	Medical Officer, PHC, Kalapet	2655134 9443251216
11	Dr. T. A. Rosaria	Medical Officer, PHC, Ariyankuppam	2600344 9487760301
12	Dr. B. Venkateswaralu	Medical Officer, PHC, Thavalakuppam	2618099 9345454733
13	Dr. Vasantha Kumar	Medical Officer, PHC, Kirumampakkam	2611137
14	Dr. V. Umashankar	Medical Officer, PHC, Bahour	2633449 9842319878
15	Dr. P. K. Elangovan	Medical Officer, PHC, Karayamputhur	2699458 9486966574
16	Dr. K. Kamalraj	Medical Officer, PHC, Nettapakkam	2699439 9894704707
17	Dr. Shanmugam	Medical Officer, CHC, Karikalampakkam	2665362 9787936010
18	Dr. M. Gunsekaran	Medical Officer, PHC, Villianur	2666365 9442163696
19	Dr. A. Tamizharasi	Medical Officer,	2641138

Sl. No.	Name of the Official	Designation / Office	Contact Number
		PHC, bhuvanai	9443277801
20	Dr. Anandan	Medical Officer, CHC, Manadipet	2688453 9443075955
21	Dr. N. Subramanian	Medical Officer, PHC, Katterikuppam	2674312 9360214389
22	Dr. P. Nalini	Medical Officer, PHC, Mettupalayam	2271213 9787710081
23	K. Deivasikamani	Deputy Director, (Welfare) Fisheries & Fisherman Welfare	9443536274 2228289
24	S.Manikandan	Deputy Thasildar, Puducherry Taluk Office	9003963996 2356314
25	Ulaganathan	Deputy Thasildar, Oulgaret Taluk Office	9443474110 2254449
26	Devadass	Deputy Thasildar, Villianur Taluk Office	9443077264 2666364
27	D. Venkataraman	Deputy Thasildar, Bahour Taluk Office	9487135017 2633453
28	Lanka Rama Rao	Assistant Commissioner, Puducherry Municipality	9442358576 2223488
29	S. Gunasegaran	Executive Engineer, Oulgaret Municipality	9443371671 2201551
30	R. Yuvaraj	Assistant Engineer, Ariyankuppam Commune Panchayat	9843091753 2601376
31	R. navukarasu	Assistant Engineer, Bahour Commune Panchayat	9443292927 4633438
32	P. Nagarajan	Assistant Engineer, Mannadipet Commune Panchayat	9442396136 2640161
33	K. Karuthaiyan	Assistant Engineer, Villianur Commune Panchayat	9443405429 2660401
34	R. Tamilarasan	Assistant Engineer, Nettapakkam Commune Panchayat	9486664652 2699108; 2698555
35	V. Sridharan	Executive Engineer – I, Electricity Department	9489080310 2339543
36	G. Ramasundaram	Executive Engineer – IV, Electricity Department	9489080340 2334279
37	T. Prasana Kumar	Executive Engineer – IX,	9489080390

Sl. No.	Name of the Official	Designation / Office	Contact Number
		Electricity Department	2358564
38	Vijayakumar	Deputy Commandant, IRBn	8903200111 2273409
39	Dr.R.Rajmohan	Joint Director (ADS), Animal Husbandary	2203135 9843884666
40	R. Kalivarathan	Assistant Engineer, Oulgaret Municipality,	9443887907 2200941
41	P. Rajendiran	Welfare Officer, Social Welfare Dept.,	9443959800 2205872
42	C. Mayavel	Town Planning Assistant, Town & Country Plan Department,	9443601972 2201952
43	M. Sathiyararyana	Junior Engineer, Ariyankupam Commune Panchayat	2601376 9486416092
44	S. Ramamourthy	ARO, Puducherry Municipality	9791553536 2334241
45	T.A.S.I. Avvai	Joint Block Development Officer, In-Charge, Oulgaret	2290823 9448537660
46	T.T. Selina	Joint Block Development Officer, Villianur	2666325 9788255348
47	K. Sivanesan	Joint Block Development Officer, Ariyankuppam	2600164 9788998452

ESF V – TRANSPORTATION

SCOPE:

Safe and quick movement of men and materials are a pre-requisite for a emergency response mechanism. The transportation ESF should co-ordinate the use of transportation resources to support the needs of other ESF's requiring transport capacity.

ASSUMPTION:

1. The existing transportation infrastructure would have sustained heavy damages and would not be able to deliver.
2. The movement of relief supplies and goods will further congest the transport services.

PRIMARY AGENCY: Transport Department

SUPPORT AGENCY: Southern Railways, Dept of Fisheries, Orient flight School, Private vehicle owners association, PRTC, PTDC GAW, Under Secretary (Estt), Police, Education Dept, PASIC, PAPSCO.

TEAM LEADER: Transport Commissioner

SOP FOR TRANSPORTATION:

- The Transport Commissioner (TC) of the transportation ESF will activate the ESF on receiving the intimation of disaster from EOC.
- TC would inform nodal officers of Support Agencies about the event and ESF activation.
- The TC convenes an emergency meeting within two hours of the occurrence of the disaster with the Nodal Officers of all Support Agencies and takes stock of the transportation network, infrastructure in affected areas.
- The TC seeks interim report from the Nodal Officers of the Support Agencies within three hours from the occurrence of the disaster and briefs the Incident Commander of the status and requirements thereof.
- The TC contacts the TL of Public Works & Engineering (Chief Engineer, PWD)and ascertains the damage to road network , alternative route arrangements and ongoing repair works scheduled.
- TC contacts the ESF- Evacuation, ESF-Medical Services and ESF-Debris Clearance for augmenting their Transportation needs.
- TC would keep ready a list of all road worthy Government vehicle category wise with Drivers for sparing them to various ESFs which need transportation.
- In case of in accessible areas/terrain Air Support will be requisitioned by the Transport Commissioner through the Incident Commander to the responsible Officer.

SOP FOR QUICK RESPONSE TEAM:

- The Leader of the Quick Response Team is the Deputy Transport Commissioner. The other Members of the QRT are Station Master, Southern Railway, Deputy Director, Fisheries Department, M.D. PRTC, Manager, Government Automobile Workshop, M.D., Orient Flight School, Medical Superintendent, Govt. Hospital, Revenue Officer, Office of the Collector and Representative of Private Vehicle Owner's Association.
- The QRT is briefed by the Transport Commissioner (TC) within one hour of the occurrence of disaster and ordered to proceed to the site of the occurrence.
- The QRT Leader will get in touch with all activated ESFs and ascertain their needs of vehicles for their respective QRTs and attempt is made to provide vehicles to all other activated QRTs within two hours of the occurrence of disaster.
- The QRT Leader will contact the QRT Leader of Search and Rescue ESF (Station Fire Officer) for provision of boats for Search and Rescue operation in rivers and sea.

In case of disruption in rail network, the Station Master will communicate the cancellation of rails to the QRT Leader, who will in turn inform the EOC/ Emergency Public Information ESF.

The need/availability of Coaches for evacuating people from a disaster area will be provided by the Station Master to the QRT Leader. The QRT Leader will also ascertain the availability of Training Aircraft for use by damage assessment ESF and other reconnaissance Mission by related ESFs.

Contact Details of ESF 5

Sl.No	Name of the official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.D.Sundaresan	Transport Commissioner	2280130 9443633122
ALTERNATE TEAM LEADER			
1.	S. Thammu Ganapathy	Deputy Transport Commissioner	2280170 9443234073 9442588186
ESF MEMBERS			
1.	K. Balakrishnan	Station Manager Southern Railways Puducherry	2336684 2336492 9003864935
2.	Tmt.R.Mary Chinna Rani	Director of Fisheries	2228761 97900 18896
3.	V. Jayanand	Deputy Director(Mech.), Fisheries Department	9443905898 2336708
4.	Tmt. Zarina Begum	Deputy Director(Admin),	2207205

		Education Dept	9442031172
5.	V. Deivasigamani	Superintendent of Police (Rural)	2619074 9489205007
6.	K. Soundararajan	Manager(Admin), Orient Flight School	2623535-38 9244252083
7.	B. Kannan	President, Private Stage Carrier Owners Association	2240569 9894024048
8.	S. Sivanandham	Assistant Engineer, PRTC	2201585 9787100975
9.	R .Mounisamy	Managing Director, Puducherry Tourism Dev. Corp. Ltd.	2226744 9994490170
10.	A. Johnson	Managing Director, PASIC	2249493 9443361659
11.	S. Ganessin	Managing Director, PAPSCO	9487448361 2248361
QRT MEMBERS			
1.	S. Thammu Ganapathy	Deputy Transport Commissioner	2280170 9443234073 9442588186
2.	Dr. Mohankumar	Medical Superintendent, IGGH&MR	9443220339 2337070
3.	S. Satchidanandam	RTO, Transport Dept	2280170 9443350509
4.	K.V.V. PrabagaraRao	Motor Vehicle Inspector	2280170 9443601967
5.	S. Danassegarane	Project Officer Fisheries Department	2228761 9443630928
6.	Capt. Bubhiraja	Chief Pilot, Orient Flight School	2918399 9360018886
7.	S. Sivanandham	Assistant Engineer, PRTC	2201585 9787100975
8.	S. Vijayakumar	Dy. Tourism Officer Puducherry Tourism Dev. Corp. Ltd.	2226744 9443210488
9.	P.C.S. Jagannathan	SAO, GAW	9443535549
10.	S.Shanmuganathan @ Palaniappan	Junior Engineer, GAW	9443307880
11.	P.Sanathanakrishnan	Deputy General Manager, PAPSCO	9442085548 2245427
12.	S.Rajendiran	Assistant General Manager, PASIC	2249493 9442549126
13.	S. Sandira Kumaran	Revenue Officer, O/o the Collectorate	8903140719
14	K.Dandapani	Secretary, Private Stage Carrier Owners Association	9600964509

ESF VI – EVACUATION

SCOPE:

Any major calamity would involve movement of large group of people from the disaster area to a safer area. This ESF is primarily concerned with establishing shortest routes, alternate routes and along with Transportation ESF ensure safe evacuation of affected population.

ASSUMPTION:

1. Many of structures and buildings may be damaged though may not be visible from outside.
2. Such weak structures and buildings may collapse after the occurrence of the disaster and hence the necessity of evacuation.

PRIMARY AGENCY: Revenue

SUPPORT AGENCY: LAD, (Municipality and communes), NCC, BDO, RD, Dept Police, Dept of Fisheries, Transport, Dept of Industries, Dept of AD welfare, PWD, Dept of Town & Country Planning.

TEAM LEADER: Collector

SOPS FOR EVACUATION:

- The Collector will activate the ESF on receiving warning of the disaster from EOC.
- TL would inform Nodal Officers of Support Agencies about the event and ESF activation
- TL will gather information about the availability of pre-defined evacuation routes.
- TL will get in contact with the TL of transportation ESF for getting the required number of transportation vehicles to evacuate the given number of population from the vulnerable areas to safer places.
- In case of non-availability of pre-defined evacuation rules, the Nodal Officer would coordinate through EOC with other ESF Nodal Officers and support agencies for identifying alternative routes.

SOP FOR QUICK RESPONSE TEAM ON EVACUATION:

- The QRT on Evacuation will be headed by the respective jurisdiction SDM.
- The other Members of the evacuation QRT are Municipality/Commune Panchayat Commissioners/Taluk Tahsildar, Inspector of Police Circle, Assistant Director, Fisheries, NCC Commandant, NSS Liason Officer, RTO, Assistant Director (Adi Dravidar Welfare).
- Taluk Tahsildar will provide the evacuation routes from affected areas to safe shelter/Government Schools or designated relief camps.

- The QRT members will reach the Nodal Office as soon as they get instructions to do so from the TL.
- Once the quick response teams receive an intimation from the nodal officer for reaching the site they would rush to the site.
- On reaching the site the QRT members will take stock of the situation from the incident management team at the site and their counterparts.
- The quick response teams with the help of local task forces, will start evacuating peoples to safe shelters or open areas.
- The QRT members should concentrate more on evacuation in areas which have been worst affected by the disasters.
- Report all activities to Head Office.
- In case of non-availability of pre-defined evacuation routes, the Nodal Officer would coordinate through EOC with other ESF Nodal Officers and Support Agencies for identifying alternative routes.
- If the disaster strikes in the coastal areas like Tsunami, Cyclonic storm, etc. the Assistant Director (Fisheries) will mobilize the fishermen community to Board the Buses arranged by the RTO for evacuation.
- If the disaster is in interior areas, like flooding of river banks, forest fires, earthquake, etc. the NCC Commandant along with the NSS Liaison Officer and the Circle Inspector of Police will mobilize the people to board the vehicles for evacuation to safer areas.
- The Assistant Director of Women and Child Welfare and Adi Dravidar Welfare will concentrate on convincing the specific target groups (Adi Dravidar community and Women and Children) in evacuation.
- In case of any poisonous gas leak from any factory / industry, the Inspector of Factories will declare the circumference of the area to be evacuated. The Taluk Tahsildar with the support of the Inspector of Police on the CommunePanchayat/Municipality Commissioner will cause the evacuation of all the people within the perimeter of the circle.

Contact Details of ESF 6

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Dr. S. Sundaravadivelu	District Collector	9442508261
ALTERNATE ESF TEAM LEADER			
1.	A. Vincent Rayar	Deputy Collector(Revenue) North, Puducherry	2248686 9443383418
ESF MEMBERS			
1.	P.T Rudra Goud	Director, LAD	7598321099 2336469
2.	P.Seetharaman	Commissioner, Villianur Commune Panchayat	9443353282
3.	Mary Chinna Rani	Director, Dept. of Fisheries	2228761 9790018896
4.	S.D. Sundaresan	Transport Commissioner, Transport Dept	0413-2280130 9443633122
5.	S.Dinakaran	Dy. Director (Tech), Dept. of Industries	2248320 9894087774
6.	T. Ilangovan	Director, Dept. of AD welfare (additional charge)	9894040979
7.	V. Bhuvaneswaran	Junior Town Planner, Town & Country Planning , Puducherry	9443290069 2202213
8.	Chandrasekaran. R	Commissioner, Puducherry Municipality	9443234073 9442108400
9.	M.S Ramesh	Commissioner, Oulgaret Municipality	2201142 9443371671
10.	S. Sampathkumar	A.E., PWD, Puducherry	2228429 (O) 2248188(R) 9443959140
11.	Parimala Rangan	Commissioner Ariyankuppam Commune Panchayat	99443389739
QRT MEMBERS SDM(N)			
1.	A. Vincent Rayar	SDM(North)	2248686 9443383418

Sl. No.	Name of the Official	Designation / Office	Contact Number
2.	S. Ramamoorthy	ARO, Puducherry Municipality	2334241 9791553536
3.	R. Kalivaradhan	AE, Oulgaret Municipality	9443887907 2200941
4.	J. Dayalane	Tahsildar, Puducherry Taluk	9486535544
5.	A. Sureshraj	Tahsildar, Oulgaret Taluk	9626094844
6.	Chintakothandaraman	Circle Inspector, Grand Bazar	9489205018 2228323
7.	K. Varadarajan	Circle Inspector, Lawspet	9489205019 2235314
8.	K.L. Viravallabane	Circle Inspector, Orleanpet	2329333 9489205020
9.	Senthil Kumar	Circle Inspector, D' Nagar,	9489205022 2272121
10.	Ganesan	Circle Inspector, Mudaliarpet	9489205023 2355855
11.	S. Palanivelu	Circle Inspector, Ariyankuppam	9443536117 2062788 9489205025
12.	V.Jayanand	Deputy Director, Dept. of Fisheries	2336708 9443905898
13.	Col. Anil Nautiyal	Group Commander, NCC	0413-2252764
14.	Kuzhandaisamy	NSS Liason Officer	2207367 2207212 9486366572
15.	N.K.Ragunath	RTO, Transport	2280170 9443246966
16.	B. Rajasekaran	RI, Ariankuppam CP	2601376 9597199082
QRT MEMBERS SDM(S)			
1.	S. Rajamanickam	SDM (South)	2667668 9443234073
2.	A. Sivasankaran	Tahsildar, Villianur Taluk	8680973607
3.	S. Prabakaran	Tahsildar, Bahour Taluk	9443536206

Sl. No.	Name of the Official	Designation / Office	Contact Number
4.	P.Seetharaman	Commissioner, Villianur Commune Panchayat	9443353282
5.	Muthu Lingam	Commissioner, Bahour Commune Panchayat	9443363376
6.	L. Chandrasekar	Commissioner , Nettapakkam Commune Panchayat	9443353282
7.	D. Arumugam	Commissioner , Mannadipet Commune Panchayat	9443364016
8.	V.Jayanand	Deputy Director, Dept. of Fisheries	9443905898
9.	Col. Anil Nautiyal	Group Commander, NCC	0413-2252764
10.	P. Kuzhandaisamy	NSS Liason Officer	2207367 2207212 9486366572
11.	B. Ranganathan	Circle Inspector, Villianur	2667333 9489205023
12.	M. Angappan	Circle Inspector, Bahour	7358336065 9489205026 2634900
13.	D. Jayaraman	Circle Inspector, Nettapakkam	9787400133 9489205027 2699999
14.	R. Mohankumar	Circle Inspector, kkanur	9786484448 2680452

ESF VII – DEBRIS CLEARANCE & EQUIPMENT SUPPORT

SCOPE:

This emergency function is a common feature in most large scale disasters such as Earth quakes, cyclones, floods etc. which primarily affect the building structures. This ESF would identify, remove and dispose rubble and wreckage which may hamper the performance of emergency response.

ASSUMPTIONS:

Access to disaster affected areas would depend upon the clearing of access routes of the Debris.

PRIMARY AGENCY: Public Works Department

SUPPORT AGENCY: LAD, Under Secretary (Works), Municipality and commune Panchayat BDO, Police, Revenue, Forest Dept, Electricity Dept, Animal Husbandry, Taluk office, Earth moving Equipment owners Association, Builder's Association.

TEAM LEADER: Chief Engineer (PWD)

STANDARD OPERATING PROCEDURE FOR ESF DEBRIS CLEARANCE:

- The Team Leader i.e. Chief Engineer, PWD will activate the ESF on receiving the information of the disaster from the EOC.
- The TL would inform the Nodal Officers(NO) of support agencies about the event and ESF activation.
- TL will immediately convene meeting with the Nodal Officers of all Support Agencies within one hour of the occurrence of the disaster.
- The Quick Response Team members will also be briefed by the Chief Engineer on the magnitude of the task and seek their views on available resources and requirements of earth moving equipments and concrete cutting machinery for the purpose of debris clearance.
- The Director, LAD, Commissioners of Municipality/Commune Panchayat and the Tahsildar of Taluk Office will furnish the respective plans for the task at hand.
- The Chief Engineer, PWD will consolidate the individual plans and brief the Incident Commander about the plan of action for Debris clearance within three hours of the occurrence of the disaster.
- The TL will co-ordinate with the support agencies to mobilize equipments required for Debris clearances through local resources inventory and IDRM data base.
- The Chief Engineer, PWD will also ensure coordination with Medical ESF and Search and Rescue ESF for disposal of dead bodies and carcasses.
- The Team Leader will review the situation and ask support agencies to take precautionary measures for enabling operationalisation of the transportation ESF.

SOP FOR QUICK RESPONSE TEAM (QRT) ON EQUIPMENT SUPPORT AND DEBRIS

CLEARANCE:

- The TL will nominate Nodal Officer (NO) from the Primary Agency and form a team of Nodal Officers from support agencies as the Quick Response Team to be dispatched to the disaster site.
- Superintending Engineer-I will be the Nodal Officer for the PWD (Primary Agency).
- Superintending Engineer-I will lead the QRT on Debris clearance and Equipment Support ESF.
- The other Members of the QRT are Executive Engineer (CPWD), Deputy Director(LAD), Executive Engineer, Municipality, Assistant Engineer (BDO), Deputy Tahsildar, Taluk Office, Assistant Engineer (Commune Panchayat), Executive Engineer, Electricity.
- The QRT headed by Superintending Engineer-I will visit the site of the disaster within 3 hours.
- Executive Engineer (B&R) will chalk out a contingency road approach if roads are severed/damaged.
- Bye passing of broken bridges, culverts will be attempted.
- Executive Engineer, Electricity, will chalk out plans to revive power supply but only after ensuring safety of existing poles, or else backup support will be provided for emergency response.
- The QRT leader will requisition earth moving equipments from local list of machine inventory or else from IDRN inventory.

Contact Details of ESF 7

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	P. Swaminathan	Chief Engineer, PWD	2338233 9842528341
ESF MEMBERS			
1.	P.T Rudra Goud	Director, LAD	2336469 8482181899
2.	Dr.P.Padmanban	Director (Current Duties), Animal Husbandry	2201328 9443405499
3.	N. Sureshnathan	EE, PWD	2338973 9443459118
4.	C.T. Jayakanthan	AE, PWD	2338973 9842345667

Sl. No.	Name of the Official	Designation / Office	Contact Number
5.	R. Yuvaraj	AE, Ariyankuppam Commune Panchayat	2601376 9843091753
6.	R. Malaivasan	AE, Puducherry Municipality	2333296 9443434587
7.	N. Ravi Kumar	SP (North), Police Dept.	2338756 9489205005
8.	T.Bairavasamy, PPS	SP (South), Police Department	2272581 9489205006 9843882477
9.	V. Deivasigamani, PPS	SP (Rural), Police Department	2619074 9489205007 9443246470
10.	Sivachandran	AE(i/c), BDO, Ariyankuppam	9360603109
11.	R. Kumaravelavan	AE, Electricity Department	7708104275
12.	S.Vengadesan	Junior Engineer, Oulgaret Municipality	2200812 9442291376
13.	Earth Moving Equipment Owners Association		
14.	Builders Association		
QRT MEMBERS			
1.	P. Swaminathan	SE-I, PWD	2338233 9842528341
2.	B. Pazhaniappan	AE, PWD	2338973 7598313290
3.	Murugesan. M	Deputy Director, LAD	2336469
4.	Sivachandran	AE(i/c), BDO, Ariyankuppam	9360603109
5.	G. Prabagar	JE, Puducherry Municipality	2333296 9894700337
6.	G. Saravanan	JE, Puducherry Municipality	2333296 9443292032
7.	M. Sathyanarayana	JE, Ariyankuppam Commune Panchayat	9486416092
8.	D. Venkataraman	Deputy Tahsildar, Taluk Office, Bahour	2633453 9487135017
9.	Suresh	AE, Electricity Department	9442400228
10.	D. Nagarajan	D'Man, Bahour Commune Panchayat	9943886445

ESF VIII – DAMAGE ASSESSMENT

SCOPE:

Conduct of ground surveys to determine the scope of the damage, causalities, and the status of key facilities. The reports to form the basis for actions taken by the Incident Commander(IC) and further initial actions by the Team Leaders (TL) of the activated ESFs.

SITUATION ASSUMPTIONS:

A crisis situation has arisen, but adequate information to base further decisions not available. The loss of life and damage of critical infrastructures not known.

PRIMARY AGENCY: Revenue

SUPPORT AGENCY: Agriculture, AHD, LAD, PWD,DRDA, PASIC, PIPDIC, DIC Industries
Dept of Tourism, Electricity Dept, Statistics Dept.

ESF TEAM LEADER (TL): Collector

SOPS FOR DAMAGE ASSESSMENT ESF:

- The Collector will activate the ESF as soon as he receives information from the EOC about the disaster.
- An urgent meeting is convened by the Collector with all the Support Agencies represented by their Nodal Officers within an hour of the occurrence of the disaster.
- The Collector will seek a Incident Status Report (ISR) from the Nodal Officer of Support Agencies within 24 hours.
- A Rapid Assessment Report on the damages is submitted within 2 days to the IC.
- The QRT is also called for a meeting and they are briefed on their mandate and ordered to proceed to the site of the disaster within three hours from the occurrence of the disaster. Meanwhile, a Rapid Assessment Report is prepared by the TL and presented to the Incident Commander within two hours of the occurrence of the disaster.

SOPs for Quick Response Team:

- The Quick response team of damage assessment ESF will be lead by Sub Divisional Magistrate of the respective jurisdiction.
- The Nodal Officers from Support Agencies will form the other Members of the QRT.
- Executive Engineer (Buildings & Roads) , Assistant Engineer (National Highways Division), Assistant Engineer (Irrigation Division) Tahsildar of respective Taluk.
- The Executive Engineer (B&R) Division will provide a Rapid Assessment Report on the damage (cost) to buildings and roads within the disaster area.

- The Assistant Engineer (National Highways) will report the damage (cost) to National Highways.
- The Assistant Engineer(Irrigation) will report damage to river banks / bridges / culverts.
- The Assistant Engineer, (Municipality) / Assistant Engineer, (Commune Panchayat) will report the damages (cost) to Municipal Commune roads/buildings.
- Joint Director(Agriculture) will report on the damage in hectares of standing crops.
- Joint Director(Animal Husbandry) will report on the damage to cattle & Livestock.
- Tahsildar of the respective Taluk will provide damage assessment report on the loss of human lives, damage to houses, number of missing / injured.

Contact Details of ESF VIII

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Dr. S. Sundaravadivelu	District Collector	9442508261
ESF MEMBERS			
1.	Dr. A Ramamurthi	Director, Agriculture Department	2336977 9443235329
2.	Dr.P.Padmanban	Director (Current Duties), Animal Husbandry	2201328 9443405499
3.	R. Malaivasan	AE, Puducherry Municipality	2333296 9443434587
4.	S. Sekar	A.E., PWD (WCD)	2359143 9443959897
5.	R. Manoharan	Project Officer, DRDA	2203705 930532581
6.	A. Johnson	MD, PASIC	2249493 9443361659
7.	S.Dinakaran	Dy. Director (Tech), Dept. of Industries	9894087774
8.	R. Mounisamy	MD, Tourism Department	2358570 9994490170
9.	V. Gopalan	AE, Electricity Department	9994209542
10.	S. Vaithianadane	Director, Statistics Department	2248685 2248816 9443242574

Sl. No.	Name of the Official	Designation / Office	Contact Number
QRT MEMBERS			
1.	A. Vincent Rayar	SDM (North)-Deputy Collector (Rev)-North	2248686 9443383418
2.	S. Rajamanickam	SDM (South)-Deputy Collector (Rev)-South	2667668 9443234073
3.	S. Sekar	A.E., PWD	2359143 9443959897
4.	K. Sugumar	AO, Agriculture Department	9715055334
5.	G. Prabagar	JE, Puducherry Municipality	9894700337 2333296
6.	P. Ramadoss	EE, DRDA	2205101
7.	S. Candhy	Deputy Manager, PASIC	9443959518
8.	S. Dinakaran	Dy. Director (Tech), Dept. of Industries	9894087774
9.	V. Gopalan	AE, Electricity Department	9994209542
10.	S. Chandrasegarane	Deputy Director, Statistics Department	2242061 2248816
11.	A. Nowsath Ali	JE, Oulgaret Municipality	2200941 9487735910

ESF IX – RELIEF CAMPS

SCOPE:

In the event of a disaster, there would be a need for temporary structures like Tents or thatched pandals for accommodating the evacuated people from marooned hamlets or disaster area. The ESF on Relief should ensure coordination of activities involved with the emergency provisions of temporary shelters, emergency mass feeding and bulk distribution of relief supplies to the disaster victims as also the disaster managers and relief workers.

SITUATION ASSUMPTION:

- The possibility of the affected population staying in their own houses near / in the disaster area is unlikely and should be avoided.
- The houses in disaster affected areas may appear to be unaffected but from within they may suffer structural failure and continued usage would put the lives of those living in jeopardy.
- Therefore, the evacuated people should be kept in Camps until danger signal is withdrawn.

PRIMARY AGENCY: Women and Child Welfare Department

SUPPORT AGENCY: Women & Child Dept, Education Dept, Municipalities and Communes, BDO's, PWD, Electricity Dept, AD Welfare, Director of Social Welfare, Dept of Health, Contractors Association.

TEAM LEADER: Director (Women and Child Welfare)

SOPs FOR RELIEF CAMPS:

- Team Leader (TL) i.e. the Director, Women and Child Welfare of ESF on relief will activate the ESF on receiving the intimation of the disaster from State EOC.
- TL would inform Nodal Officers (NOs) of Support Agencies about the event and ESF activation.
- TL will coordinate with all State and District level suppliers as identified with under IDRN.
- TL will coordinate with other ESFs like transportation, debris and road clearance to ensure quality supply chain management of relief materials.
- The TL will convene a meeting of the Nodal Officers of Support Agencies within three hours of the occurrence of the disaster and ascertain the need for relief camps. Based on the need and input from sub-offices in the disaster area number of tents or thatched shelters required are arrived at.

SOPs FOR QUICK RESPONSE TEAM (QRT) ON RELIEF:

- The QRTs for relief will be headed by Child Development Project Officer. The other Members of the QRT on relief are Deputy Director, Social Welfare, Assistant Director, Adi Dravidar Welfare, Managing Director, PADCO, Assistant Engineer, Municipality / Commune Panchayat, Chief Education Officer.
- QRTs will report to disaster site within five hours from the occurrence of the disaster.
- The QRT Leader will analyze the ground situation and assess the requirement of relief camps. As far as possible, QRTs will attempt to locate the relief camps in public buildings like Community Hall / Cyclone Shelter / School Buildings. Whenever such facility is not present in the near vicinity, then, make shift temporary shelters are put up under the direction and supervision of the QRT.
- The Chief Education Officer will furnish a list of School going Children and total victims in the Relief Camp.
- The Child Development Project Officer will furnish list of Women and Children (0 to 5 years) in the Relief Camp.
- Assistant Director, A.D. Welfare will furnish the list of Scheduled Caste population in the Relief Camp.
- The Assistant Director, Social Welfare will prepare a comprehensive list of victims (other disadvantaged sections of the Society including old aged and handicapped persons) and forward it to the Team Leader.
- The QRT Leader will liaise with Emergency Medical Services QRT and requisition for a Team of Doctors / Paramedics for treating the injured in the Relief Camps
- The Assistant Engineers of Municipality/Commune Panchayat will be responsible for contracting the task of setting up temporary shelters tor putting up of tents.
- The QRT will in turn nominate Nodal Officers belonging to the same Primary and Secondary Agencies in the region / area concerned.
- QRTs will be responsible for management and distribution of relief items to the affected victims
- QRTs will be responsible for reporting the progress on action taken by the team to the EOC.
- The CDPO will take special care in food distribution for women with infants, pregnant women and children.

Contact Details of ESF 9

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	M. Gunasegaran	Director of Women & Child Development	2242621 9443659799
ALTERNATE ESF TEAM LEADER			
1.	B. Padma	Programme Officer, Dept. of Women & Child Development	2242621 9943926131
ESF MEMBERS			
1.	M. Dhanalakshmi	Deputy Director (SD), DWCD	2244964 9790585141
2.	N. Ravi Kumar	Superintendent of Police (North)	2231307 8903437688
2.	R. Kalaiselvan	Chief Educational Officer	2207208 9443500030
3.	D. Vani	Deputy Director, Social Welfare	9488302206
4.	P. Somasundaram	Revenue Officer, Oulgaret Municipality	2200812 8844745308
5.	N. Kanniappan	Assistant Engineer, PWD	2337712 9443536600
6.	B. Palaniappan	Assistant Engineer (B&R), PWD Central	2338973 9791711775
7.	P. Sagunthala	Block Development Officer, Villianur	2666325
8.	S. Kuppusamy	Block Development Officer, Oulgaret (Incharge)	2290823 9488494900
9.	S. Kuppusamy	Block Development Officer, Ariyankuppam	2600164 9488494900
10.	N. Saraswathi	JE, Ariankuppam CP	9894781245
11.	P. Parthibane	Sanitary Inspector, Puducherry Municipality	9442625793 2290373
12.	M. Dhanalakshmi	Deputy Director, Dept. of AD welfare	9790580800
13.	V. Jeeva	Under Secretary (Health)	2233263

QRT MEMBERS			
1.	B.Padma	Child Development Project Officer	9943926131 2242621
2.	V. Meenakshi (R. Kalaiselvan i/c)	DD (Women), Eduation Department	2242621
3.	V. Tenmozhy Babu	CDPO, ICDS, Project-1, Villianur	2666184
4.	R. Gnanavalli	CDPO, ICDS, Project-III, Ariyankuppam	2601934 9791359369
5.	Jeyanthi Venu	CDPO, ICDS, Project-IV, Ariyankuppam	2239430 9566548372
6.	J. Vijayalakshmi	CDPO, ICDS, Project-V, Ariyankuppam	2244785 9486947979
7.	S. Selvaraji	Store Superintendent DWCD	2244785 2242621 9489734937
8.	Shanthi	Field Officer, Social Welfare Department	9842349918
9.	K. Ravichandran	Welfare Officer, ICDS-III	9443467983
10.	Vadivelu	Welfare Officer, WD Sec, DWCD	9443536107
11.	Ganesan	Welfare Officer, AD Welfare	9443076262
12.	D. Lakshmanan	DRSA, ICDS-V	9894342645
13.	Thangamudi Pandian	Sanitary Inspector Oulgaret Municipality	2200812
14.	Sundararajan	Sanitary Inspector Oulgaret Municipality	2200812
15.	R. Lakshmanan	Sanitary Inspector, Puducherry Municipality	--

ESF X – FOOD AND CIVIL SUPPLIES

SCOPE:

The persons affected by most common disasters are mostly shifted to relief Camps which may be far away from their households and would required to be fed until rehabilitation packages are put in place.

SITUATION ASSUMPTION:

Chance of cooking their own food in a disaster area would not be possible. There may be a need to distribute food packets and drinking water to the victims in far flung area. Cooked food need to be served to inmates of relief camps.

PRIMARY AGENCY: Civil Supplies Department

SUPPORT AGENCY: Agriculture, Co-operation, Dept Chamber of Commerce, PAPSCO, PASIC, PONLAIT, Education Dept, Electricity Dept, Ad welfare, Puducherry Institute of Hotel Management, Transport Dept, NGO's, Hotel owner's Association.

TEAM LEADER: Director (Civil Supplies)

SOP FOR ESF FOOD AND CIVIL SUPPLIES:

- The Team Leader(TL) i.e. the Director of Civil Supplies will activate ESF on receiving the information about the incident and will also inform to the supporting agencies
- The TL will contact the TL of the ESF Relief Camp and ascertain the number of relief camps functioning and total number of people accommodated in such camps.
- The TL also will liaise with ESF Search and Rescue Team Leader to ascertain whether there are any inaccessible areas for air dropping of food and water packets.
- The TL will convene a meeting with all the Nodal Officers of the Supporting Agencies within five hours from the occurrence of the disaster.
- The TL will contact the EOC to find out the number of ESFs activated and the number of personnel involved in the task of the emergency response so as to provide food for all the various categories of QRTs on the site and off the site.
- Nodal Officer of the Education Department will be the key person for ensuring that all Central Kitchens are kept ready and ensure the presence of Cooks/Workers to dispatch food to Quick Response Teams
- TL will guide QRTs to reach at rehabilitation centers to provide food packages
- TL will keep on coordinating about the distribution of food items to the evacuees and will give appraisal to the IC
- In case of shortage of food items, TL will arrange more food packages and will ensure continuous supply

SOPs FOR QUICK RESPONSE TEAMS:

- The QRT on Food and Civil Supplies will be lead by Deputy Director of Civil supplies.
- The Joint Director Education will coordinate with the Relief Camps and the Central Kitchens for provision of food to the victims.
- The Managing Director, PONLAIT will make available boiled milk for children.
- Conveying the food from the Central Kitchens to Relief Camps will be the duty of the Deputy Registrar of Cooperative Society.
- The Joint Director, Agriculture and the Marketing Committee Incharge will be responsible for making available Cereals, Vegetables and all grocery items to the Central Kitchen.
- If there is any shortage of rice, cereals etc. the QRT Leader will request the Food Corporation of India Depot Manager through the Team Leader.
- The QRT Leader will liaise with the Water and Sanitation QRT for ensuring uninterrupted water supply for the Central Kitchen and other places where the food is cooked.
- Management and distribution of relief items to affected victims
- Report the progress on action to the TL
- Inform TL about more requirement of staff members, additional materials and food packages
- Initiate procurement of food items available at near by markets
- Prepare take-home food packets for the families
- Ensuring equal distribution of relief material including children, aged groups, women and poor people

Contact Details of ESF 10

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	P. Priyatarshny	Director, Civil Supplies, Puducherry	9487751302 2253345
ALTERNATE ESF LEADER			
1.	P. Sundararajan	DD, Civil Supplies	9791046233 2252960
ESF MEMBERS			
1.	A. Poominathan,	DD (Agriculture) (Inputs)	94422 29214

Sl. No.	Name of the Official	Designation / Office	Contact Number
2.	B. Vasanthakumar	Deputy Registrar – Co operative	9443659790
3.	P. Santhanakrishnan	DGM, PAPSCO	94420 85548
4.	Dr. R. Dayalan	GM, PASIC	9443887576
5.	G. Maroudavanane	Managing DirectorPONLAIT	94432 91913
6.	R. Kalaiselvan	CEO, Education Department	9443500030, 2207208
7.	M. Dhanalakshmi	Deputy Director, Dept. of AD welfare	9790580800
8	S. Ganesh Principal	Puducherry Institute of Hotel Management	9443258389 0413-2358389, 0413-2353251
9.	S. Thammu Ganapathy	Deputy Transport Commissioner	2280170 9443234073 9442588186
QRT MEMBERS			
1.	K. Sugumar	AO, Agriculture Department	9715055334
2.	V. Devasenathibathy	Senior Inspector, Co operative	8428441028
3.	R. Rajaram	Asst Manager, PAPSCO	9171819108
4.	S. Sounder	AGM, PASIC	9443285081
5.	K. Veerappan	Junior Assistant, PONLAIT	9942994137
6.	V. Palaniappan	Incharge Mid-day Meals Section, Education Department	9443208828

ESF XI – WATER SUPPLY AND SANITATION

SCOPE:

During disasters the normal water supply mains/lines would be heavily damaged and availability of water for drinking, cooking/sanitation would be scarce which may hinder rehabilitation efforts.

SITUATION ASSUMPTIONS:

1. There may be a need of supplying water for fire fighting operation.
2. There may be a need for drinking purpose.
3. Rehabilitation site might be requiring temporary/mobile toilets.
4. There may be need to ensure clean environment.

PRIMARY AGENCY: Irrigation and Public Health (Public Works Department)

SUPPORT AGENCY: Commune Panchayat, Health Dept, DRDA, NGO's.

TEAM LEADER: Superintending Engineer-II (Public Works Department)

SOPs FOR ESF WATER SUPPLY AND SANITATION:

- Superintending Engineer II , Irrigation and Public Health will be the Team Leader for ESF Water Supply and Sanitation.
- The TL of the ESF will contact the EOC and ascertain the number of ESFs activated
- The TL will call a meeting of the Support Agencies within five hours of the occurrence of the disaster.
- The TL shall coordinate with the Relief Camp ESF and ascertain the requirement of drinking water and water for sanitation purposes.
- The TL also contact the Fire Fighting ESF for replenishing the depleted stock of water for the Fire Engines engaged in fire fighting.
- TL will ensure that QRTs are on the site along with the required resources
- TL shall be ensuring uninterrupted supply of water for fire-fighting to all the brigades in operation
- TL shall coordinate with the transport coordinator for replenishing the depleted stock of fire water at the incident site through water tanks
- Establish temporary sanitation facilities at the shelters
- Ensure cleanliness of sanitation facilities, relief shelters and local commandant post.

SOPs FOR QUICK RESPONSE TEAMS:

- The QRT will be headed by the Executive Engineer, Irrigation and Public Health

- The other Members of the QRT are Assistant Engineer, LAD, Assistant Engineer, Municipality, Health Inspector from Health Department, Assistant Engineer, DRDA, Managing Director, PASIC.
- The QRTs will reach the disaster sites within five hours from the occurrence of the disaster.
- The immediate priority for the QRT is to identify the damage to the potable water pipe line and water supply system.
- The next step is to do immediate patch of repair work to resume water supply.
- If the QRT finds that the water source is contaminated, the water supply through pipe line is temporarily stopped and potable water is delivered through tanker lorries to areas.
- To prevent outbreak of diseases, chlorination of potable water containers will be carried out under the supervision of the Health Inspector.
- Assistant Engineer, DRDA will ensure temporary sanitation facilities at the relief camps.
- If necessary, mobile toilets from Tourism Department will be provided for Sanitation.
- Managing Director, PASIC will ensure water for all the requirements of the
- ESF from PASIC bore wells.

Contact details of ESF- XI

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	P. Swaminathan	Superintendent Engineer-II, PWD, Puducherry	9842528341 2337090
ESF MEMBERS			
1.	J. Jayakumar	EE, PWD, Puducherry	2250722 9442250722
2.	V. Jeeva	Under Secretary (Health)	2233263
3.	R. Manoharan	Project Officer, DRDA	2203705 930532581
4.	P. Sagunthala	Block Development Officer, Villianur (Additional Change)	2666325
5.	S. Kuppusamy	Block Development Officer, Oulgaret	2290823 9488494900
6.	R. Sakthivel	Joint BDO, Ariyankuppam	8056606729
7.	V. Muruganandam	JE, Puducherry Municipality	2336257 9442991933

Sl. No.	Name of the Official	Designation / Office	Contact Number
8.	M. Jaisankar	JE, Oulgaret Municipality	2200812 9443960447
9.	M. Suresh	JE, Ariankuppam CP	9443641530
10.	S. Punithavathy	JE, Bahour CP	9486268160
QRT MEMBERS			
1	R. Sundaramoorthy	AE, PWD	2280669 9486746833
2.	V. Muruganandam	JE, Puducherry Municipality	2336257 9442991933
3	M. Jaisankar	JE, Oulgaret Municipality	2200812 9443960447
4	Dr. N.L.N. Sharma	DD (Imm), Health Dept., Puducherry.	2249358
5.	R. Baskaran	EE, DRDA	2205101 9486521648
6.	R. Sakthivel	Joint BDO, Ariyankuppam	8056606729
7.	V. Thangamudipandiyar	Sanitary Inspector, Oulgaret Municipality	2200812 9442121143

ESF XII – ELECTRICITY RESTORATION

SCOPE:

One of the essential services to be affected during a calamity like cyclone, floods, earthquakes and heavy winds are disruption in power supply and the potential threat to habitations because of the danger of collapse of precarious electrical poles/transformers.

SITUATION ASSUMPTIONS:

Expect electric short circuits in the affected area which may aggravate the fire and explosions.

Electric fitting of the affected areas may get damaged and need repairing.

There may be a requirement of temporary lightening provisions in the relief shelters and local commandant post.

PRIMARY AGENCY: Electricity Department

SUPPORT AGENCY: LAD,PWD,PPCL, Electrical Contractors

TEAM LEADER: Superintending Engineer-I (Electricity Department)

SOPs FOR ESF ELECTRICITY RESTORATION:

- The Superintending Engineer-I , Electricity Dept. will be informed by the EOC of any disaster
- Team Leader (Superintending Engineer-I, Electricity Department) will activate the Emergency Support Functions(ESF) by informing his headquarter team and field team
- Team Leader will inform Nodal and Supporting Agencies about the incident.
- If early warning of cyclonic storm, heavy wind laden rain is forecast, the TL takes precautionary measures like pre-emptive shut down of power regulating in affected areas
- The TL should contact other activated ESFs like Emergency Medical Services, Search and Rescue and other operations which may require power back-up for operation.

SOPs FOR QUICK RESPONSE TEAM (QRT):

- Executive Engineer (O & M) will be the Team Leader for the QRT.
- The QRT will reach the site of disaster within three hours from the occurrence of the disaster.
- The QRT will give a rapid assessment report of the damaged poles, lines, transformers, etc.
- The Assistant Engineer of the Local Body , Electrical Contractors of the area, the Assistant Engineer, PWD along with the Assistant Engineer, Puducherry Power Corporation will be the other Members of the QRT.
- The QRTs will also assess the requirement of power supply and provide them immediately for relief Camps in consultation with the QRT of Relief Camp through local contractors.

- QRTs will send a requisition for electrical poles and cables to the Team Leader of the Headquarters.

Contact Details of ESF XII

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	K. Madivannan,	Superintending Engineer-I, Electricity Department, Puducherry	9489080301 2334277
ALTERNATE ESF TEAM LEADER			
1.	D. Ravi	Superintending Engineer-III, Electricity Department, Puducherry	9489080303 2339532
ESF MEMBERS			
1.	P.T Rudra Goud	Director, LAD	7598321099 2336469
2.	A. Philip	A.E., PWD	9442034609 2290573
3.	C. Viswanathan	AE, PPCL	9843512244
4.		Electrical Contractors	
QRT MEMBERS			
1.	V. Sreedharan	Executive Engineer(O & M) Division-I, Electricity Dept., Puducherry	9489080310
2.	G. Ramasundaram	Executive Engineer(O & M) Division-IV, Electricity Dept., Puducherry	9489080340
3.	T. Prasana Kumar	Executive Engineer(O & M) Division-I, Electricity Dept., Puducherry	9489080390
4.	V. Muruganandam	JE, Puducherry Municipality	2336257 9442991933

ESF XIII – PUBLIC WORKS AND ENGINEERING

SCOPE:

During any natural calamity, major infrastructure through out rail network, buildings, bridges, water tanks and other critical assets heavily damaged. Therefore, it is mandatory to protect the remaining assets from further damage and also to repair the damaged roads and buildings for ensuring speedy relief and response works.

ASSUMPTIONS:

Many buildings may appear to be safe from outside. But in a post disaster situation, the structure of the buildings may be weak and it becomes necessary for this ESF to periodically check the buildings and cause demolition, if necessary.

Major roads and transportation would have been affected during a natural calamity. And it may not be possible to reach all the affected areas by various ESFs. Therefore, it becomes necessary to repair the damages to roads / bridges in a war footing manner.

PRIMARY AGENCY: Public Works Department.

SUPPORTING AGENCY: NHAI,LAD, Housing Board, Electricity Dept, Forest Dept, Police Dept.

TEAM LEADER: Chief Engineer

SOP FOR PUBLIC WORKS AND ENGINEERING:

- The Chief Engineer is alerted of the disaster / crisis by the EOC.
- Immediately, the CE convenes a meeting of all the Nodal Officers and briefs them about the situation and seeks the status from all the support agencies within half-an-hour.
- Multiple Quick Response Teams (QRTs) are formed according the necessity of the situation.
- Executive Engineers of Special Building Division I / II and Executive Engineer(North) and EE (South), Building and Roads will be the Team Leaders of the respective QRTs.
- Assistant Engineer, Electricity corresponding to the area of jurisdiction will be co-opted as Members of each QRT.

SOP FOR QUICK RESPONSE TEAM (QRT):

- QRTs will rush to the site immediately on receiving information from the Chief Engineer.
- If the access to the site of disaster itself is severed, then QRT from the sub-Office rushes to the spot before the QRT from Headquarters and tries to attend to the repair / breach .

Contact Details of the ESF XIII

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	P. Swaminathan	Chief Engineer, PWD	2338233 9842528341
ESF MEMBERS			
1.	S. Mahalingam	EE, PWD	2336399 9443190229
2.	P.T Rudra Goud	Director, LAD	7598321099 2336469
3.	P. Rajendiran	Development Officer, Puducherry Housing Board	9940971075
4.	C. Mani	Asst. Engineer, Division-X Electricity Department	9442289853
5.	C. Sivaraman	Deputy Director of Forest Department	9442535883
6.	N. Ravi Kumar	Superintendent of Police (North), Puducherry	9489205005 2338756
7.	T. Bairavaswamy	Superintendent of Police(South), Puducherry	9843882427 9489205006 2272581
8.	G.P. Palanivelu	Superintendent of Police (Rural), Puducherry	9489205007 9443266916 2619074
9.	A. Sivabalan	Assistant Engineer – III. Puducherry Municipality	2357648 9443535930
QRT MEMBERS			
1.	Thamarai Pugazhandhi	AE, PWD	9994653577
2.	T. Vengadassalabady	JE, Puducherry Municipality	9443558943
3.	P. Ramesh	JE, Puducherry Municipality	9443216707
4.	M. Sambasivam	JE, Puducherry Municipality	9442253097
5.	R. Louis Pragasam Niquiet	JE, BDO, Ariankuppam	9791993618

6.	T. Sivacoumar	JE,Oulgaret Municipality	2200941 9488447777
7.	R. Subramanian	D' Man, Oulgaret Municipality	2200941 9894031869
8	N. Vijendiran	Sanitary Maistry	2200941 9842246602

ESF XIV – FIRE FIGHTING / HAZARDOUS MATERIALS RESPONSE

SCOPE:

An accidental fire either due to short circuit or otherwise if unattended within the least possible time can aggravate and spread to neighboring buildings. So, prompt action in containing the small fire or gas leak is always required to contain it from growing to larger proportions. Fire in industrial premises or factory can also lead to explosions.

PRIMARY AGENCY: Fire Service Department

SUPPORT AGENCY: Police, IRBn, Coast guards, NCC, Industries Dept, Inspector of Factories, Labour Dept, Dept of Atomic Energy, Science and Technology, Health Dept, Dept of Industries, Port Dept,

TEAM LEADER: Divisional Fire Officer

SOP FOR ESF FIRE FIGHTING:

- Divisional Fire Officer is the Team Leader who will activate the ESF and give instructions to the QRTs to reach an incident site to person rescue operations
- DFO will coordinate with the EOCs (on site and off site) to judge the situation
- DFO will coordinate in will coordinate with technical experts,safety coordinators and material coordinator of quick response in case of any requirement in conducting rescue operations

SOP FOR QUICK RESPONSE TEAM ON FIRE FIGHTING:

1. On-Scene Assessment:

- First fire vehicle to reach at incident site will contact at site controller and collect the necessary information regarding chemical leak, action taken, current status and type of equipment required
- Driver will park their vehicle in a manner to prevent exposure to air-borne chemical contaminants and fire explosions
- Each crewmember will wear the necessary PPEs (Personnel Protective Equipments) before entering in the “hot zone”. They will work in pairs and coordination.
- The situation will be communicated to the District Control Room/EOC to provide the update of additional resource and manpower requirement

2. Plugging/Stopping of Leaks:

- Few crew members having good knowledge of basic tools and knowledge to limit the losses from punctured or leaking tanks will work for plugging holes. Plugs of varying sizes and shapes (conical, cylindrical, square or wedge shaped wood pieces, rubber or metal sheets) can be jammed in the wholes to reduce the leaking.

3. Suppression of Hazardous Gas or Vapour Releases:

- Based on the guidance of technical coordinators, the response team shall take rapid measures to reduce the rate of amount of hazardous vapors or gases entering in the atmosphere using one or combination of the following measures.
- Physical restriction of liquid pool surface areas
- Transfer to an alternate or standby container if available
- Use of fire-fighting or specialized hazardous material foams
- Dilute or coverage of liquid pools with water or other compatible liquids
- Use of water sprays or fogs
- Neutralization of spilled liquids
- Cooling of spilled liquids or venting tanks

4. Search and Rescue Operations:

- According to the instructions of rescue coordinators QRTs should enter into the hazardous areas and rescue injured and trapped people
- For common safety practice, QRTs should work in pairs
- QRT should initiate search and rescue operations of trapped people under the guidance of technical experts
- QRT of rescue operations should carry a self-contained breathing apparatus (SCBA) to carry out their mission without falling victim. They should also carry a spare SCBA units which will help them to escape people trapped in the hazardous areas and also sometimes rescue workers require extra air supplies to accomplish prolonged rescue.
- TL gets the temporary telephone facilities established for the public and information on this is announced through media.

SOPs FOR QRT ON FIRE FIGHTING AND HAZARDOUS MATERIAL RESPONSE:

- The QRTs for fire and hazardous materials response will be lead by the Assistant Divisional Fire Officer.
- The other Members of the QRT are Inspector of Police, Taluk Tahsildar, Deputy Director, Industries, Chief Inspector of Factories.
- The QRT will reach the site with the required protective equipments as quick as possible.
- Each Team Member will necessarily wear the personnel protective equipments before entering the site.
- A technically qualified team identified through the Department of Science and Technology will provide inputs on the ways and means for containing / arresting the leak of poisonous gases or containing the fire.
- The QRTs will have volunteers from Home Guards, IRBM and NCC Cadets for search and rescue in fires in high raised buildings.

- The QRT Leader will remain in touch with Medical, Search and Rescue ESF.

Contact Details of ESF XIV

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1	Arumugam, S.P	Divisional Fire Officer, Fire Service Department	2336677 9443209101
ALTERNATE ESF TEAM LEADER			
1	R. Rithosh Chandra	Villianur Station Officer	2668101 9940997097
ESF MEMBERS			
1	N.Ravi Kumar	Superintendent of Police (North), Puducherry	9489205005 2338756
2	T. Bairavasamy	Superintendent of Police (South), Puducherry	9843882427 9489205006 2272581
3	K. Deivasikamani	Superintendent of Police (Rural), Puducherry	9489205007 9443266916 2619074
4	Vijayakumar	Deputy Commandant (IRBn)	2273409 8903200111
5	R.V. Singh	Deputy Commandant (Coast Guard)	9283675587 2239850
6	Col. Anil Nautiyal	Group Commander, NCC	2252764
7	Dr. K. V. Raman	Director of Health and Family Welfare Services	2229350 9443147344
8	K. Mathivanan	Superintending Engineer – I, Electricity Department	9489080301 2334277
9	S. Dinakaran	Deputy Director (Tech), Department of Industries.	2248470 9894087774
10	A. Rajarathinam	Deputy Labor Commissioner	9944046781 2279278
11	R. Sathiyamurthy	Inspector of Factories	2271868 / 8870101911
12	Dr. N. Ramesh	Environment Engineer, Dept., of Science and Technology	2203494 9443329141

Sl. No.	Name of the Official	Designation / Office	Contact Number
13	P. Swaminathan	Director, Port Department	2337114 9842528341

QRT MEMBERS			
1	A. Suresh	Station Officer, Puducherry Fire Station	101, 2336238 9894795492
2	T. Krishnamourthy	Station Officer, D' Nagar, Fire Station	2272913 9500283475
3	R. Rithosh Chandra	Station Officer, Villianur Fire Station	2668101 9940997097
4	S. Manogaran	Station Officer, bhuvanai Fire Station	2641101 9894052099
5	S. Latchoumanan	Station Officer, kkanur Fire Station	2688101 9994199714
6	S. Manogaran	Station Officer, Madukarai Fire Station	2699101 9894052099
7	T. Irison	Station Officer, Bahour Fire Station	2633101 9600507950
8	A. Suresh	Station Officer, Kalapet Fire Station	2655873 9894795492
9	S. Latchoumanan	Station Officer, Sedarapet Fire Station	2678101 9994199714
10	Dr. Kumaravel	Deputy Director, Public Health Department	2229356 9443202831
11	V.N. Singh	Asst. Commandant (IRBn)	9442567352 2277800
12	N.R. Kumar	Pradhan Adigari, Coast Guard	2239850 8903009446
13	R. Gupta	Commanding Officer I(P), Indep coy NCP, NCC, Puducherry	2253448 8760666557
14	E. Sridhar	Executive Engineer – I, Electricity Department	9489080310 2339543
15	G. Ramasundaram	Executive Engineer – IV, Electricity Department	9489080340 2334279

16	T. Prasana Kumar	Executive Engineer – IX, Electricity Department	9489080390 2358564
17	Dr. R.M. Murugan	Medical Officer, PHC, Kalapet	2655134 9443251216
18	Dr. T.A. Rosaria	Medical Officer, PHC, Ariyankuppam	2600344 9487760301
19	Dr. Madhan	Medical Officer, PHC, Thavalakuppam	2618099 9894229822
20	Dr. Karunanithi	Medical Officer, PHC, Kirumampakkam	2611137 9500250694
21	Dr. V. Umashankar	Medical Officer, PHC, Bahour	2633449 9842319878
22	Dr. P.K. Elangovan	Medical Officer, PHC, Karayamputhur	2699458 9486966574
23	Dr. R. Kamalraj	Medical Officer, PHC, Nettapakkam	2699439 9894704707
24	Dr. Shanmugam	Medical Officer, CHC, Karikalampakkam	2665362 9787936010
25	Dr. M. Gunsekaran	Medical Officer, PHC, Villianur	2666365 9442163696
26	Dr. A. Tamizharasi	Medical Officer, PHC, bhuvanai	2641138 9443277801
27	Dr. Anandan	Medical Officer, CHC, Manadipet	2688453 9443075955
28	Dr. K. Sathish Kumar	Medical Officer, PHC, Katterikuppam	2674312 9944610200
29	Dr. G. Anbusenthil	Medical Officer, PHC, Mettupalayam	2271213 9865214444
30	Chintakothandaraman	Circle Inspector, Grand Bazar	9489205018 2228323
31	K. Varadarajan	Circle Inspector, Lawspet	9489205019 2235314
32	R. Ragunayagam	Circle Inspector, D' Nagar,	9489205022 2272121

33	S. Palanivelu	Circle Inspector, Ariyankuppam	9443536117 9489205025 2602788
34	K.L. Viravallabane	Circle Inspector, Orleanpet	2329333 9489205020
35	Ganesan	Circle Inspector, Mudaliarpattinam	9489205023 2355855
36	B. Ranganathan	Circle Inspector, Villianur	9489205024 2667333
37	M. Angappan	Circle Inspector, Bahour	7358336065 9489205026 2634900
38	A. R Djearamane	Circle Inspector, Nettapakkam	9787400133 9489205027 2699999
39	R. Mohankumar	Circle Inspector, kkanur	9489205028 2680452
40	J. Rajendran	Asst. Director, Industries & Commerce	9442891511 2248476
41	R. Murali	Assistant Inspector of Factories	9443090119 2271868
42	K. Kalamegam	Junior Engineer, Dept. of Science and Technology	9894566433 2201256
43	M. Rajendiran	Executive Engineer, Port Department	2338092 9843411611

ESF XV – LAW AND ORDER ENFORCEMENT

SCOPE:

The ESF on Law and Order maintains the law and protects the property and valuables. It is mainly responsible in controlling crowd and preventing riots.

SITUATION ASSUMPTION:

- There would be panic and people will gather at a place.
- The crowds may go out of control.
- Riots may also take place.

PRIMARY AGENCY: Police

SUPPORT AGENCY: Judicial Dept, Revenue, NSS, NCC.

TEAM LEADER: Superintendent of Police

SOP FOR ESF LAW AND ORDER:

- Deploying Quick Response Teams (QRTs) to maintain law and order at the incident site
- QRTs deployed at the site will be equipped and will coordinate with following activities.
- Quick Assessment of law and order situation in affected areas.
- Cordon off the site to restrict movement of curious onlookers, vehicles and pedestrians.
- Control and monitor traffic movements.
- Support and coordinate with local administration.
- Prepare updates on the law and order situation in every 2 hours and brief the authorities.
- Ensure law and order at assembly points and evacuation points.
- Control situation of rioting and looting and cordon off affected areas.
- Provide traffic diversions so as to ease movement of response vehicles to incident site.
- Gather and disseminate information about the traffic flow on alternate routes for decongestion.
- Ensuring law and order in rehabilitation centres.
- Communicate with PCR on regular basis regarding field activities including deployment of manpower and resources.
- To advice home-guards to remain alert for responding to call from Police.
- To contact nearby hospitals for making emergency arrangements for receiving injured persons.

Contact Details of ESF-XV

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	N. Ravi Kumar	Superintendent of Police (North), Puducherry	9489205005 2338756
2.	T. Bairavaswamy	Superintendent of Police (South), Puducherry	9843882427 9489205006 2272581
3.	V. Deivasigamani	Superintendent of Police (Rural), Puducherry	9489205007 9443266916 2619074
ESF MEMBERS			
1.	Col. Anil Nautiyal	Group Commander, NCC	
2.	S. Yeswanthaiah	Revenue Officer, O/o the SCR(North)	2231252 9443406554
3.	Kuzhandaisamy	NSS Liason Officer	2207367 2207212 9486366572
4.	J. Dayalane	Tahsildar, Puducherry Taluk	9486535544
5.	A. Suresh Raj	Tahsildar, Oulgaret Taluk	9626094844
6.	A. Sivasankaran	Tahsildar, Villianur Taluk	8680973607
7.	S. Prabakaran	Tahsildar, Bahour Taluk	9443536206

ESF XVI – RESOURCES MOBILIZATION – CONTRACTING SERVICES – VOLUNTEER AND DONATION SUPPORT

SCOPE:

In the aftermath of any disaster there will be lose of lives and property depending upon scale and magnitude of the disaster. When the scale of the disaster becomes unmanageable, the response activity needs to be augmented with other resources of personnel, material, equipment.

SITUATION ASSUMPTION :

If the scale of the disaster is enormous then the response mechanism available needs to augmented by Mobilizing additional resources, enlisting volunteers and contracting / out sourcing of essential services before the onset of disaster.

PRIMARY AGENCY: Social Welfare.

SUPPORT AGENCY: Revenue, Education Dept, PIPDIC, NGO’S, NCC, NSS.

TEAM LEADER: Director Social Welfare.

Contact Details of ESF XVI

Sl. No.	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1	R. Meenakumari	Director, Social Welfare Department	9488736093 2338828
ESF MEMBERS			
1	R. Kalaiselvan	Chief Educational Officer, Education Department	9443500030
2	J. Parthasarathy	A.E., PWD	2280045 9894022800
3.	J. Dayalane	Tahsildar, Puducherry Taluk	9486535544 2356314
4.	A. Suresh Raj	Tahsildar, Oulgaret Taluk	9626094844 2254449
5.	A. Sivasankaran	Tahsildar, Villianur Taluk	8680973607 2666364
6.	S. Prabakaran	Tahsildar, Bahour Taluk	9443536206 2633453
7.	Kuzhandaisamy	NSS Liason Officer	2207367 2207212 9486366572

Sl. No.	Name of the Official	Designation / Office	Contact Number
8.	Col.Rajesh Gupta	Commanding Officer, NCC	9139706804 2254348
QRT MEMBERS			
1.	V. Meenakshi (R. Kalaiselvan i/c)	DD (Women), Eduation Department	2242621
2.	J. Parthasarathy	A.E., PWD, Puducherry	2280045 9894022800
3.	S. Selvam	Welfare Officer, Social Welfare Department	9443434049
4.	M. Eganadane	President(Elect), Rotary Club of Pondicherry Elites	9486478246
5.	F. Danaraja	Director(International Service), Rotary Club of Pondicherry Elites	9443413507

Annexure 3

Location of the Emergency Response Centres (ERCs) established by BARC

1. Mumbai BARC (Nodal ERC)
2. Tarapur
3. Kakrapar
4. Indore
5. Kota
6. Jaipur
7. Delhi
8. Narora
9. Shillong
10. Kolkata
11. Jaduguda
12. Nagpur
13. Hyderabad
14. Kaiga
15. Bangalore
16. Kalpakkam
17. Alwaye
18. Kudankulam



Annexure 4

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 5

Technical Specifications of Instruments

- i) For the purpose of surveillance, it is proposed to equip fairly good number of vehicles patrolling on road in 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 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**). The room required for this laboratory will be provided by the concerned State Government.

Annexure 6

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. Eye lens | 150 mSv per year and |
| 2. Skin ³ | 500 mSv per year |
| 3. 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 radionuclides
(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.

- 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.

Annexure 7

List of Relevant Statutes on Management of Hazardous Substances

The Environment (Protection) Act, 1986 (amended 1991) and following Rules there under:

- The Environment (Protection) Rules, 1986 (amended 2004).
- The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 (amended, 1994 and 2000).
- The Hazardous Wastes (Management and Handling) Rules, 1989 (amended 2000 and 2003).
- The Environment Impact Assessment Notification, 2006.
- The Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.
- Bio-medical Wastes (Management and Handling) Rules, 1989.
- The Factories Act, 1948 (amended 1987).
 - ❖ State Factory Rules.
- The Inflammable Substances Act, 1952.
- The Motor Vehicles Act, 1988 (amended 2001).
 - ❖ The Central Motor Vehicles Rules, 1989 (amended 2005).
- The Public Liability Insurance Act, 1991 (amended 1992).
 - ❖ The Public Liability Insurance Rules, 1991 (amended 1993).
- The Petroleum Act, 1934.
 - ❖ The Petroleum Rules, 2002
- The Insecticide Act, 1968 (amended 2000).
 - ❖ The Insecticide Rules, 1971 (amended 1999).
- The National Environment Tribunal Act, 1995.
- The Explosives Act, 1884 (amended till 1983).
 - ❖ The Gas Cylinder Rules, 2004.
 - ❖ The Static and Mobile Pressure Vessels (Unfired) Rules, 1981 (amended 2002).
 - ❖ The Explosives Rules, 1983 (amended 2002).

7 MAHE REGION - ESF / QRT CONTACT DETAILS

ESF I – COMMUNICATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	D.Marimuthu	Supdt. Of Police, Mahe	0490 2332513 9447488994
ESF / QRT MEMBERS			
2.	Bindumadhavan	Sub Divisional Engineer, B.S.N.L., Mahe	0490 233333 9446445644
3.	K.K.Vimalkumar	Asst. Engineer, Electricity Department, Mahe	04902332256 9446084289
4.	P.P.Najeeb	District Informatics Officer, NIC, Mahe	04902334172
5	Reji Mathew	Scientific Officer, NIC, Mahe	04902334172
6.	A.Kannan	Circle Inspector, Mahe	9446006055
7.	Byju.P.M	Head Radio Operator, Police Radio Branch, Mahe	9895178379

ESF II - EMERGENCY MEDICAL SERVICES AND PUBLIC HEALTH

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Dr.S.Premkumar	Dy.Director, (Health), Mahe	04902332225 9400117182
ESF / QRT MEMBERS			
2.	Dr.C.H.Rajeevan	Asst. Director, (Resident Medical Officer)	04902334042 9446344148
3.	Chaura Ratnagosh Kishor	Commissioner, Mahe Municipality	04902332233
4.	Dr.T.G.Omana	Medical Officer, Community Health Centre,	04902338028 9497612141
5.	Dr.Pushpavalli	Medical Officer, Govt. General Hospital,	04902332243
6.	Dr.K.R.Asok Kumar	Medical Officer, Community Health Centre,	04902358528 9447424740

ESF III - EMERGENCY WARNING, PUBLIC INFORMATION AND HELPLINE

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1	Mangalatte Dinesh	Regional Administrator – cum-Dy. Collector (Rev),	04902332960 9447732720
ESF MEMBERS			
2	E.J.Lillykutty	Chief Educational Officer, Mahe	04902332613
3	N.Suresh	Dy. Tahsildar (Rev.), Mahe	04902336250 9447937881
4	Dr.C.H.Rajeevan	Asst. Director (Health), Mahe	04902334042 9446344148
5	E.P.Sivakumar	Asst. Director, Fisheries and Fisherman Welfare	04902335965
6	P.Sreelekha	P.R.A., O/o. Regional Administrator, Mahe	04902332222
7	Reji Mathew	Scientific Officer, NIC, Mahe	04902334172

ESF IV - SEARCH AND RESCUE

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.Kalimoorthy	Station Officer, Fire Station, Mahe	0490233500
ESF / QRT MEMBERS			
2	A.Kannan	Circle Inspector, Mahe	04902335800 9446006099
3	K.P.Md.Basheer	Sub Inspector, PAP, Mahe	9747116974
4	Dr.S.Premkumar	Dy. Director, (Health), Mahe	04902332225 9400117182
5	K.K.Vimalkumar	Asst. Engineer, Electricity Department, Mahe	04902332256 9446084289
6	Chaura Ratnagosh Kishor	Commissioner, Mahe Municipality	04902332233 9633945033
7	Jayasree	Jt. Block Development Officer, Mahe i\c	04902332730
8	N.P.Ajithkumar	Dy. Tahsildar, O/o. The D.C.(R)., Mahe	049002336250 (Ext. 224)
9	Dr. T.G.Omana	Medical Officer,	04902338028 9497612141
10	Dr.K.R.Ashok Kumar	Medical Officer, Community Health Centre, Pandakkal	04902358528 9447424740
11	Dr.T.V.Prakash	Medical Officer, Community Health Centre, Palloor	9447126360 04902338028
12	E.P.Sivakumar	Asst. Director, Fisheries and Fisherman Welfare	04902335965
13	Manoj valavil	Revenue Inspector, Sub Taluk Office, Mahe	9995593211
14	P.P.Shaiju	Revenue Inspector, O/o. D.C(R), Mahe	9446991225

ESF V - TRANSPORTATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	V.Ramesh	Motor Vehicle Inspector Mahe	04902332560 9443303394
ESF/QRT MEMBERS			
2.	E.P.Sivakumar	Asst.Director, Fisheries and Fisherman Welfare	04902335965
3.	A.Kannan	Circle Inspector, Mahe	04902335800 9446006099
4.	Manager	PRTC, Mahe	04902337500
5.	K.Suresh	Manager, Mahe Co op Bus Transport Society	9846757623

ESF VI – EVACUATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1	Mangalatte Dinesh	Regional Administrator – cum-Dy. Collector (Rev), Mahe	04902332960 9447732720
ESF/QRT MEMBERS			
2	Chaura Ratnagosh Kishor	Commissioner, Mahe Municipality	04902332233
3	K.Malligarunan @ Jeyaraman	Asst. Engineer, Mahe Municipality	04902332233 9633945033
4	N.Suresh	Dy. Tahsildar (Rev), Mahe	04902336250 9447937881
5.	P.V.Anoop	Asst. Engineer, P.W.D., Mahe	04902332524 9846133368
6.	Dr. V.Jayachandran	Principal, MGGA College Mahe	04902332319
7.	K.Premanand	Junior Town Planner, Mahe	0490233588
8	Murugandandam	Sub Inspector of Police .Mahe	04902332323
9	V.Jayagurunathan	Sub Inspector of Pollice, Palloor	9944981605 04902332313
10	V.Ramesh	Motor Vehicle Inspector Mahe	04902332560 9443303394
11	E.P.Sivakumar	Asst. Director, Fisheries and Fisherman Welfare	04902335965
12	S.W.O	Social Welfare Dept., Mahe	04902332560
13	Manoj valavil	Revenue Inspector, Sub Taluk Office, Mahe	9995593211

ESF VII – DEBRIS CLEARANCE & EQUIPMENT SUPPORT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	O.Pradeepkumar	Executive Engineer P.W.D., Mahe	9495722344
ESF MEMBERS			
2.	Chaura Ratnagosh Kishor	Commissioner, Mahe Municipality	04902332233
3.	K.Malligarjunan @ Jeyaraman	Asst. Engineer, Mahe Municipality	04902332233 9633945033
4	V.J.Nageswara Rao	Asst. Engineer, P.W.D., Mahe	04902332524 9495722316
5	A.Kannan	Circle Inspector, Mahe	04902335800 9446006099
6	K.K.Vimalkumar	Asst. Engineer, Electricity Department, Mahe	04902332256 9446084289
7	Dr.R.Rani	Veterinary Asst. Surgeon Mahe	04902332330 7034066520
8	N.P.Ajithkumar	Dy. Tahsidar, O/o. The D.C.(R)., Mahe	049002336250 (Ext. 224)
9	Pradeepkumar	J.E. Electricity Department Mahe	04902332224 9895108220
10	S.Kalimoorthy	Station Officer, Fire Station, Mahe	0490233500

ESF VIII – DAMAGE ASSESSMENT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Mangalatte Dinesh	Regional Administrator – cum-Dy. Collector (Rev), Mahe	04902332960 9447732720
ESF /QRT MEMBERS			
2.	E.Flossy Manuel	Dy. Director, Agriculture Dept. Mahe	04902334525 9446335403
3	Dr.R.Rani	Veterinary Asst. Surgeon Mahe	04902332330 7034066520
4.	K.Malligarjunan @ Jeyaraman	Asst. Engineer, Mahe Municipality	04902332233 9633945033
5.	P.V.Anoop	Asst. Engineer, P.W.D., Mahe	04902332524 9846133368
6	N.Suresh	Dy. Tahsildar (Rev), Mahe	04902336250 9447937881
7.	K.Rejithkumar	J.E., Electricity Dept., Mahe	04902332624 9495906465
8	P.P.Shaiju	Revenue Inspector, O/o. D.C(R), Mahe	9446991225

ESF IX – RELIEF CAMPS

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.W.O	Social Welfare Dept. Mahe	04902332560
ESF MEMBERS			
2.	E.J.Lillykutty	Chief Educational Officer, Mahe	04902332613
3	A.Kannan	Circle Inspector, Mahe	04902335800 9446006099
4	K.Malligarjunan @ Jeyaraman	Asst. Engineer, Mahe Municipality	04902332233 9633945033
5	Jayasree	Jt. Block Development Officer, Mahe i\c	04902332730
6	T.P.Byju	V.A.O., Sub Taluk Office MaHW	9645891279
6	S.W.O	Social Welfare Dept., Mahe	04902332560
7	Padmanaban	Sanitary Inspector, Mahe Municipality	04902332233

ESF X – FOOD AND CIVIL SUPPLIES

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	V.Pavithran	C.S.O. i/c Civil Supplies Dept. Mahe	04902332370 9495414549
ESF / QRT MEMBERS			
2	Rejish	Superintendent O/o the CEO, Mahe	04902332613 9995400274
3	E.Flossy Manuel	Dy. Director, Agriculture Dept. Mahe	04902334525 9446335403
4.	V.Ramesh	Motor Vehicle Inspector Mahe	04902332560 9443303394
5	S.W.O.	Social Welfare Dept. Mahe	04902332560

ESF XI – WATER SUPPLY AND SANITATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	V.J.Nageswara Rao	Asst. Engineer, P.W.D., Mahe	04902332524 9495722316
ESF MEMBERS			
2	V.V.Rajendran	J.E., P.W.D. Mahe	04902333200 9447889233
3	Jayasree	Jt. Block Development Officer, Mahe i\c	04902332730
4	Jeevanadan	Superintendent G.H. Mahe	04902332225
5	M.Jothiraju	Dy. Registrar, Co-Operation Dept. Mahe	04902333470
5	Rajesh Disilva	Technical Asst. Mahe Municipality	04902332233

ESF XII – ELECTRICITY RESTORATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	K.K.Vimalkumar	Asst. Engineer, Electricity Department, Mahe	04902332256 9446084289
ESF /QRT MEMBERS			
2	K.Malligarunan @ Jeyaraman	Asst. Engineer, Mahe Municipality	04902332233 9633945033
3	Pradeepkumar	J.E. Electy Dept., Mahe	04902332224 9895108220
4	Rajeevan	Health Inspector, Mahe Municipality	04902332233

ESF XIII – PUBLIC WORKS AND ENGINEERING

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	O.Pradeepkumar	Executive Engineer P.W.D., Mahe	9495722344
ESF MEMBERS			
2	V.J.Nageswara Rao	Asst. Engineer, P.W.D., Mahe	04902332524 9495722316
3	K.Malligarunan @ Jeyaraman	Asst. Engineer, Mahe Municipality	04902332233 9633945033
4	K.Vinodkumar	J.E. Electricity Dept, Mahe	04902332256 9446091363
5.	K.Rosh	A.O, Agriculture Dept. Mahe	04902334525
6	K.P.Md. Basheer	Sub Inspector of Police Mahe	9895122038
7	Rajesh Disilva	Technical Asst. Mahe Municipality	04902332233

**ESF XIV – FIRE FIGHTING / HAZARDOUS MATERIALS
RESPONSE**

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.Kaliyamoorthy	Station Officer, Fire Station Mahe	04902332500 9037394471
ESF MEMBERS			
2.	T.Renjithlal	Leading Fire Man Fire Station Mahe	04902332500 9400402360
3	K.P.Md. Basheer	Sub Inspector Of Police P.A.P. Mahe	04902336820 9747116974
4	Technical Officer	DIC., Mahe	04902332560
5	Deepak uchamballi	NCC Group Commandant, MGGA	04902332319
6	K.Manojkumar	Asst. Inspector of Labour Mahe	04902332560 9946321432
7	E.P.Sivakumar	Asst. Director, Fisheries and Fisherman Welfare	04902335965
8	Duty Medical Officer	G.H., Mahe	04902332243

ESF XV – LAW AND ORDER ENFORCEMENT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	D.Marimuthu	Superintendant of Police Mahe	04902332513 9441488994
ESF MEMBERS			
2	A.Kannan	Circle Inspector of Police Mahe	04902335800 9446006055
3	V.Muruganadan	S.I. Mahe Police Station Mahe	04902332323 9894627904
4	V.Jayagurunathan	S.I. Palloor Police Station Mahe	04902332313 9944981605
5	N.Suresh	Dy. Tahsildar (Rev.), Mahe	04902336250 9447937881
6	Deepak uchamballi	NCC Group Commandant, MGGA	04902332319
7	Shylajavaadi	NSS Liason Officer, MGGA college, Mahe	04902332319

**ESF XVI – RESOURCES MOBILIZATION – CONTRACTING
SERVICES – VOLUNTEER AND DONATION SUPPORT**

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.W.O	Social Welfare Dept. Maheq	04902332560
ESF MEMBERS			
2	E.J.Lillykutty	Chief Educational Officer, Mahe	04902332613
3	P.V.Anoop	Asst. Engineer, P.W.D., Mahe	04902332524 9846133368
4	N.Suresh	Dy. Tahsildar (Rev.), Mahe	04902336250 9447937881
5	Deepak uchamballi	NCC Group Commandant, MGGA	04902332319
6	Shylajavaadi	NSS Liason Officer, MGGA college, Mahe	04902332319

8 YANAM REGION – ESF / QRT CONTACT DETAILS

ESF I – COMMUNICATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	D. Vamsidhar Reddy	Supdt. of police , Yanam	0884 2324800 08790327008
ESF MEMBERS			
2.	M. Seetharama Rao	Sub Divisional Engineer B. S. N. L., Yanam	0884 2323800 09490178344
3.	T. Raghavo Rao	Asst. Engineer, Electricity Department, Yanam	0884 2321274 07383605061
4.	S. Madhusudhana Rao	District Informatics Officer, NIC, Yanam	0884 2321694 09866093826
5.	K. Syamala Rao	Addi. DIO, NIC, Yanam	0884 2321694 08332833690
6.	A. Subramanian	Circle Inspector, Yanam	0884 2321210 08106533445
7.	Ch. RadhaKrishna	Inspector, Coastal PS	0884 2321600 09553437070

ESF II - EMERGENCY MEDICAL SERVICES AND PUBLIC HEALTH

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Dr. T. Ravisankar	Dy. Director, (Health), Yanam	0884 2321224 9849985437 04132229350
ESF MEMBERS			
2.	Dr. Kasi satyanarayana	Asst. Director, (Resident Medical Officer)	0884 2321224 08184960918
3.	L. Rama Rao	Commissioner, Yanam Municipality, Yanam	0884 2323035 9440610358
4.	Dr.Sridhar Manukonda	Medical Officer, GH, Yanam	09849770012
5.	Dr.Nikesh.K.Bawane	Medical Officer, GH, Yanam	09490657280

**ESF III - EMERGENCY WARNING, PUBLIC INFORMATION
AND HELPLINE**

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S. Ganessian	Regional Administrator – cum- Dy, Collector (Rev), Yanam	0884 2325101 09440204797
ESF MEMBERS			
2	K. Sainath	Chief Educational Officer, Yanam	0884 2321280 9440846567
3	D.Silambarasan	Dy Tahsildar (Rev), Yanam	08179601742 08842325124
4	Dr. Kasi satyanarayana	Asst. Director, (Resident Medical Officer)	0884 2321224 08184960918
5	D. Gontheyya	Fisheries Inspector, Fisheries Department, Yanam	0884 2321631 09441328634
6	K.V.V. Satyanarayana	P. R. A. O/o Regional Administrator, yanam	09948754877 08842325109
7	K. Syamala Rao	Addi DIO, NIC, Yanam	0884 2321694 08332833690

ESF IV - SEARCH AND RESCUE

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	J. Mugunthan	Station Officer, Fire Station, Yanam	0884 2321286 09585541195
ESF MEMBERS			
2	A. Subramanian	Circle Inspector, Yanam	0884 2321210 8106533445
3	N. Sandosh	Sub Inspector Yanam PS	0884 2321233 09059686222
4	Dr. T. Ravisankar	Dy. Director, (Health), Yanam	0884 2321224 9849985437 04132229350
5	T. Raghavo Rao	Asst. Engineer, Electricity Department, Yanam	0884 2321274 7383605061
6	L. Rama Rao	Commissioner, Yanam Municipality, Yanam	0884 2323035 9440610358
7	Y. Ramachandra Rao	Jt. Block Development Officer, Yanam	0884 2324271 09440152463
8	D.Silambarasan	Dy Tahsildar (Rev), Yanam	08179601742 08842325124
10	Dr.Sridhar Manukonda	Medical Officer, GH, Yanam	09849770012
11	Dr.Nikesh.K.Bawane	Medical Officer, GH, Yanam	09490657280
12	D. Gontheyya	Fisheries Inspector, Fisheries Department, Yanam	0884 2321631 09441328634
13	P.Arasan	Revenue Inspector, Sub Taluk Office, Yanam	08096089262

ESF V - TRANSPORTATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Seetha Ramaraju	Motor Vehicle Inspector, Yanam	09618993727
ESF MEMBERS			
2.	D. Gontheyya	Fisheries Inspector, Fisheries Department, Yanam	0884 2321631 09441328634
3.	A. Subramanian	Circle Inspector, Yanam	0884 2321210 8106533445
4.	Sadha Sivam	PRTC, Yanam	0884 2324737 09488222313

ESF VI – EVACUATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S. Ganessian	Regional Administrator-cum-Dy. Collector (Rev), Yanam	0884 2325101 09440204797
ESF MEMBERS			
2.	L. Rama Rao	Commissioner, Yanam Municipality, Yanam	0884 2323035 09440610358
3.	Md Ramaligeswara Rao	Asst. Engineer, Yanam Municipality	09848474599
4.	D.Silambarasan	Dy. Tahsildar (Rev), Yanam	08179601742 08842325124
5.	Mohamad huassain	Asst. Engineer, P.W. D. Yanam	09440341734
6.	Dr. R. Sundharam	Principal, Dr. S.R.K. Govt. Arts College, Yanam	0884 2324123 09443790337
7.	Satyabadi Nayak	Junior Town Planner	0884 2321268 09440610358
8.	D.Vamsidhar Reddy	Supdt. of police , Yanam	0884 2324800 08790327008
9.	N. Sandosh	Sub Inspector of Police, Yanam	0884 2321233 09059686222
10.	Seetha Ramaraju	Motor Vehicle Inspector, Yanam	09618993727
11.	P. Gontheyya	Inspector , Fisheries and Fisherman Department, Yanam	0884 23212631 094401328634
12.	Ch. ramajogi	Social Welfare Department, Yanam	0884 2321319 09989517079
13.	P.Arasan	Revenue Inspector, Sub Taluk Office, Yanam	08096089262

ESF VII – DEBRIS CLEARANCE & EQUIPMENT SUPPORT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Mohamad hussain	P.W.D, Yanam.	0884 2321273 09440341734
ESF MEMBERS			
2.	L. Rama Rao	Commissioner, Yanam Municipality, Yanam	0884 2323035 09440610358
3.	Md Ramaligeswara Rao	Asst Engineer, Yanam Municipality, Yanam	9848474599
4.	Ameer Mohamed Hussain	P.W.D, Asst Engineer, Yanam	09440341734
5.	A. Subramanian	Circle inspector, Yanam	0884 2321210 08106533445
6.	T. Raghavo Rao	Asst. Engineer, Electricity Department, Yanam	0884 2321274 07382605061
7.	Dr. R .Kathiresan	Veterinary Asst. Surgeon, Yanam	08442324031 09493275680
8	D.Silambarasan	Dy. Tahisildar, O/o. The D.C. (R)., Yanam	08842325124 08179601742
9.	Lanka Natchatram	J.E. Electricity Department Yanam	07382605062
10.	J.Mugunthan	Station Officer, Fire Station, Yanam	0884 2321288 09585541195

ESF VIII – DAMAGE ASSESSMENT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S. Ganessian	Regional Administrator-cum-Dy. Collector (Rev), Yanam	0884 2325101 09440204797
ESF MEMBERS			
2.	K. Venugopal	Dy. Director, Agriculture Department, Yanam	0884 2321922 09849897983
3.	Dr.R.Kathiresan	Veterinary Asst. Surgeon, Yanam	08442324031 09493275680
4.	Md Ramaligeswara Rao	Asst. Engineer, Yanam Municipality, Yanam	9848474599
5.	Ameer Mohamed Hussain	P.W.D, Asst Engineer, Yanam	09440341734
6.	D.Silambarasan	Dy. Tahsildar (Rev), Yanam	08842325124 08179601742
7.	Lanka Natchatram	J.E., Electricity Department, Yanam	07382605062
8.	P.Arasan	Revenue Inspector, O/o. D.C(R), Yanam	08096089262

ESF IX – RELIEF CAMPS

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Ch. Ramajogi	Social Welfare Department, Yanam	0884 2321319 09989517079
ESF MEMBERS			
2	K. Sainath	Chief Educational Officer, Yanam	0884 2321280 09440846567
3	A.Subramanian	Circle Inspector, Yanam	08842321210 08106533445
4	Md Ramaligeswara Rao	Asst. Engineer, Yanam Municipality, yanam	0884 2323035 09848474599
5	Y. Ramachandra Rao	Jt. Block Development Officer, Yanam	09440152463 08842324271
6	M.Mathiyazhagan	V.A.O., Sub Taluk Office, Yanam	09030728056
7	K.Ravi Kumar	Adi Dravidar Welfare Inspector, Yanam	08885412191

ESF X – FOOD AND CIVIL SUPPLIES

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	P.Ganapathi	Civil Supply Department, Yanam	9573492828
ESF MEMBERS			
2	K.Venu Gopal Rao	Agriculture Officer, Agriculture Department Yanam	0884 2321922 9849897983
3	Seetha RamaRaju	Motor Vehicle Department Yanam	09618993727
4	Ch. Ramajogi	Social Welfare Department, Yanam	0884 2321319 09989517079

ESF XI – WATER SUPPLY AND SANITATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	D.Subbaraju	Asst. Engineer, P.W.D	9440800121
ESF MEMBERS			
2	S.A.Hussain	J.E. P.W.D. Yanam	09440148131
3	Y.Rama Chandra Rao	Jt. Block Development Officer, Yanam	0884 2324271 9440152463
4	Dr. T.Ravi Shankar	Superintendent G.H. H. Yanam	0884 2321224 9849985437
5.	Lanka VidyaSagar	Co-Operative Officer, Co-Operative Department Yanam	09440342042
6	J. Lakshmi	D' , Man Yanam Municipality	09441825588

ESF XII – ELECTRICITY RESTORATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	T.Raghavo Rao	Asst Engineer, Electricity, Yanam	08842321274 7382605061
ESF MEMBERS			
2	Md Ramaligeswara Rao	Asst. Engineer, Yanam Municipality, Yanam	09848474599
3	Lanka Natchatram	J. E. Electricity Department, Yanam	07382605060
4	G.Nageswararao	Health Inspector Yanam Municipality, Yanam	09030297043

ESF XIII – PUBLIC WORKS AND ENGINEERING

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Mohamad hosen	Executive Engineer P.W.D., Yanam	0884 2321273 09440341734
ESF MEMBERS			
2.	Ameer Mohamed Hussain	P.W.D, Asst Engineer, Yanam	09440341734
3.	Md. Ramaligeswara Rao	Asst. Engineer Yanam Municipality, Yanam	09848474599
4.	T. Ragharvo Rao	Electricity Department Yanam	0884 2321274 7382605061
5.	K. Venugopal Rao	Agriculture Department, Yanam	0884 2321922 9849897983
6.	N. Sandosh	Sub Inspector of Police, Yanam	0884 2321233 09059686222
7.	J. Lakshmi	D'Man Yanam Municipality, Yanam	09441825588

**ESF XIV – FIRE FIGHTING / HAZARDOUS MATERIALS
RESPONSE**

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	J. Mugunthan	Station Officer, Fire Station, Yanam	0884 2321288 09585541195
ESF MEMBERS			
2.	J.Meerasaheb	Leading Fire Man, Fire Station, Yanam	09441462389
3.	N. Sandosh	Sub Inspector of Police, Yanam	0884 2321233 09059686222
4.	S.Rajendra	DIC, Yanam	08977902797
5.	N. Yogendar sing	NCC Group Commandant, Dr. S.R.K. Govt. Arts College, Yanam	09030093092
6.	B. Mahendiravarman	Asst. Inspector of Labour, Yanam	07299044646
7.	D. Gontheyya	Inspector, Fisheries and Fisherman Department, Yanam	0884 2321631 09441328634
8.	Dr. kasi satyanarayana	G.H., Yanam	0884 2321224 08184960918

ESF XV – LAW AND ORDER ENFORCEMENT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	D.Vamsidhar Reddy	Superintendant of Police, Yanam	0884 2324800 08790327008
ESF MEMBERS			
2.	A. Subramanian	Circle Inspector of Police, Yanam	0884 2321210 081065334455
3.	N. Sandosh	S.I. Yanam Police Station, Yanam	0884 2321233 09059686222
4.	Ch. Radhakrishna	Inspector ,Coastal PS, Yanam	0884 2321600 09553437070
5.	D.Silambarasan	Dy. Tahsildar (Rev.), Yanam	08842325124 08179601742
6.	N. Yogendar Sing	NCC Group Commandant, Dr. S.R.K. Govt. Arts College, Yanam	09030093092
7.	Dr. K. Prasad	NSS Liason Officer, Dr. S.R.K. Govt. Arts College, Yanam	09701718358

**ESF XVI – RESOURCES MOBILIZATION – CONTRACTING
SERVICES – VOLUNTEER AND DONATION SUPPORT**

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Ch. Ramajogi	Social Welfare Department, Yanam	0884 2321319 09989517079
ESF MEMBERS			
2.	K. Sainath	Chief Educational Officer, Yanam	0884 2321280 09440846567
3.	Mohamad hussaain	Asst. Engineer, P.W.D., Yanam	0884 2321273 9440341734
4.	D.Silambarasan	Dy. Tahsildar (Rev)., Yanam	08842325124 08179601742
5.	N. Yogendar Sing	NCC Group Commandant, Dr. S.R.K. Govt. Arts College, Yanam	09030093092
6.	Dr. K. Prasad	NSS Liason Officer, Dr. S.R.K. Govt. Arts College, Yanam	09701718358

9 KARAİKAL DISTRICT ESF LEADERS

E.S.F NUMBER	DETAILS OF THE E.S.F	NAME OF THE E.S.F TEAM LEADER	CONTACT NUMBER
1	Communication	A. K Gawas, I.P.S Senior Superintendent of Police	223238 9489205002
2	Emergency Medical Services and Public Health	Dr. P. Narayanasamy, Dy. Director (Imm)	230772 /230640 9443071062
3	Emergency Warning, Public Information, Help line & Warning	M.Kadirvelayutham Asst.Director, Information & Publicity	222596 9487722596
4	Search & Rescue/ Fire Fighting	J.Vivekandan Station Officer (Fire Service), Karaikal	230112 9003548956
5	Transport	P. Palanisamy, Regional Transport Officer	222729 9444931693
6	Evacuation	S.Manickadeepan, Deputy Collector (Revenue)	227461 / 227890 9443124851
7	Debris Clearance & Equipment Support	V.Shanmugasundaram Superintending Engineer, PWD	228262 9842937090
8	Damage Assessment	S.Manickadeepan, Deputy Collector (Revenue)	227461 / 227890 9443124851
9	Relief Camps	B. Prabhavathy CDPO, Women & Child Department	223614 8754533678
10	Food and Civil Supplies	S.Nagarajan, Deputy Director, Civil Supplies Dept.,	222718 9442636056
11	Water Supply and Sanitation	R.Manikkavasagam, Executive Engineer (I&PH) , PWD., Karaikal	222592 9488483377
12	Electricity Restoration	Rajesh Sanyal, Executive Engineer - V, (I/c) Electricity Department	222694 9489080350
13	Public Works and Engineering	A. Rajasekaran, Executive Engineer, PWD (B&R)	222617 9443853648
14	Hazardous Materials Response	S.K.Senthilvelan Inspector of Factories, Karaikal	221740 9489260507
15	Law & Order	G.Palanivelu, Superintendent of Police	228007 9489205302
16	Resources Mobilization; Contracting Services; Volunteer and Donation Support	P.Sathya, Assistant Director, Social Welfare Department	223026 9626335821

10 KARAIKAL ESF WISE TEAM DETAILS

ESF I - COMMUNICATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	A. K Gawas I.P.S	Senior Superintendent of Police, Karaikal	223238 9489205002
ESF MEMBERS			
1.	S.Manickadeepan,	Deputy Collector (Rev)	227890 9443124851
2.	Sivaraj	Divisional Engineer, BSNL	222500 9486102126
3.	N. Jagannathan	Assistant Engineer - Electricity	222684 9443488672
4.	N.S. Ravichandran	District Informatics Officer, NIC, Karaikal	222941 9486019962
5.	K.Chitralkha	Assistant Director–Program All India Radio, Karaikal	230080/ 231382 9489068811
QRT MEMBERS			
1.	G.Palanivelu	Superintendent of Police	228007 9489205302
2.	M.Sivaraj	Divisional Engineer, BSNL, Karaikal	222500 9486102126

**ESF II - EMERGENCY MEDICAL SERVICES AND PUBLIC
HEALTH**

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Dr. P. Narayanasamy	DD (Immunization)	230772 9443071062
ESF MEMBERS			
1.	Dr.P. Chitra	Medical Superintendent, Govt. General Hospital	222450, 220526, 9443940591
2.	Dr. P. Udhayakumar	Resident Medical Officer Govt. General Hospital	222593, 224886, 9443940784
3.	Dr. K. Mohan Raj	CMO	95245 27374
4.	A.Jagannathan	Asst. Engineer (Electricity)	222598 9443488672
5.	Mr. Cheeri	Commanding Officer, NCC	230505, 9500988444
QRT Members			
1.	Mr.Rajkumar	Sanitary Inspector, Karaikal Municipality	9865792277
2.	Mr.Sekar	Technical Asst., Immunization	9443525969

**ESF III - EMERGENCY WARNING, PUBLIC INFORMATION
AND HELPLINE**

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	M. Kadirvelayutham	Public Relation Assistant, Dept. of Information and Publicity	222596 9487722596
SUPPORT AGENCIES			
1.	S.Manickadeepan,	Deputy Collector (Rev)	227890 9443124851
2.	Tmt. Shantha Williams	DD (Planning)	222767 / 222530 9994569434
3.	D.Vetrivel	CEO, Education Department	230472 9488074422
4.	N.S.Ravichandran	DIO, National Informatics Centre	222941 9486019962
5.	S. Baskaran,	Secretary to Collector	221760 9442636057
QRT MEMBERS			
1.	Mr.Mathew Francis	Tahsildar, Taluk Office, Karaikal	9677335433 04368-222637
2.	Mr. Rajagopal	Tahsildar, Taluk Office, nallar	9245363145 04368-236100
3.	Mr. Sellamuthu	Deputy Tahsildar, O/o Deputy-Collector (Rev)	9840505871 04368-222467

ESF IV - SEARCH AND RESCUE / FIRE FIGHTING

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	J.Vivekandan	Station Officer (Fire Service), Karaikal	230112 9003548956
ESF MEMBERS			
1.	Mr.Syed Ahamed	Commissioner, Nedungadu Commune Panchayat	261282 9443361282
2.	T.R.Arunachalam	Commissioner, nallar Commune Panchayat	236630 / 236900 9443376630
3.	Mr.John Arelias	Commissioner, Kottucherry Commune Panchayat	265451 9443365451
4.	R.Subramanayan	Comissioner, T.R.Pattinam & Neravy Commune Panchayats	233479 9443364961 /9443338584
5.	N.Gandhirajan	Municipal Commissioner, Karaikal Municipality	221412 / 222427 9443384585
6.	Mr.Cheeri	Commanding Officer, NCC	230505 9500988444
7.	G.Nadesapillai	CEO, FFDA, Karaikal	220761 9944501370
8.	R. Rajmohan	Jt. Director, Animal Husbandry Dept.	222421 9843884666
9.	Mr. Udhal Singh	The Station Commander, ICGS Karaikal	04368 226500 / 1554
10.	Mr. Rajendiran	Junior Town Planner, Town and Country Planning	223123 9842320156
11.	Mr. Rajesh Sanyal	Execurtive Engineer -V, Electricity Dept.	222694 9489080350

SL. NO	Name of the Official	Designation / Office	Contact Number
QRT MEMBERS			
1.	Mr. Sellamuthu	Deputy Tahsildar, O/o the Deputy Collector	04368 222467 9840505871
2.	Mr. C.Velmurugan	Revenue Inspector, O/o the DeputyCollector	04368 222467 9994744922
3.	Mr. Rajagopal	Tahsildar, nallar	04368 236100 9486848394
4.	Mr.Mathew Francis	Tahsildar, Karaikal	04368 222637 9677335433
5.	Mr.Shanmuganandham	Deputy Tahsildar, (Excise)	9843925485
6.	Tmt. Prabhavathy	CDPO, Social Welfare Department	223614 8754533678
7.	B. Rajaraman	Junior Engineer, Municipality	222396 222427
8.	Mr.Gunasegaran	Deputy Tahsildar, Legal Metrology	9842935195
9.	P.Madhan Kumar	Deputy Tahsildar, Settlement Section	8807900918

ESF V - TRANSPORTATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	P. Palanisamy	Regional Transport Officer	9444931693 222729
ESF MEMBERS			
1.	D. Mohanraj	Station , Supervisor Railway Station, Karaikal	222132 9865694563
2.	Mr. Elayaperumal	Dy. Director, Fisheries Department	222616 / 222630 9842529184
3.	S. Thangaiyan	DIS, Education	230646 9994264107
4.	Rajasekar	Sub-Inspector of Police, Traffic	223238 / 228007 9940807553
5.	R. Muthukrishnan	Dy. General Manager, PASIC	222323 9842654579
6.	A.Jothikumar	Functional Manager, District Industries Center	266467 9944328958
7.	V. Poucheperaju	AE /Dy. Manager (I/c), PRTC	224240 9147007987
8.	K. Dakshinamoorthy	Asst. Director, Tourism	222177 9865074353
QRT MEMBERS			
1.	V. Poucheperaju	AE /Dy. Manager (I/c), PRTC	224240
2.	D.Rajendiran	JTP, Town and Country Planning	223123 9842320156
3.	S.Ganesan	PAPSCO	223018 9488003048

ESF VI - EVACUATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.Manickadeepan	Deputy Collector (Revenue)	227461/227890 9443124851
ESF MEMBERS			
1.	D.Vetrivel	Chief Educational Officer	230472 9488074422
2.	V.Vijaya	Assistant Director, Adi Dravidar Welfare.	222517 8608458213
3.	N.Gandhirajan	Municipal Commissioner, Karaikal Municipality	221412/ 222427 9443384585
4.	Mr.Syed Ahamed	Commissioner, Nedungadu Commune Panchayat	261282 9443361282
5.	Mr.Arunachalam	Commissioner, nallar Commune panchayat	236630 / 236900 9443376630
6.	R.Subramanayan	Comissioner, T.R.Pattinam& Neravy Commune panchayats	233479/ 238584 9443364961 9443338584
7.	Mr. John Arelias	Commissioner, Kottucherry Commune Panchayats	265451 9443365451
8.	N. Jagannathan	AE, Electricity Department	222598 9443488672
9.	A.Jothikumar	Functional Manager, DIC	266467 9944328958
10.	P.Palanisamy	RTO, Transport Dept	222729 9444931693
11.	G.Nadesapillai	CEO, FFDA, Karaikal	220761 9944501370

SL. NO	Name of the Official	Designation / Office	Contact Number
12.	D.Rajendiran	Junior Town Planner, Karaikal	223123 9842320156
13.	Mr.Cheeri	Commanding Officer, NCC	230505 9500988444
14.	Mr. Elayaperumal	Dy. Director, Fisheries Department	222616 9842529184
QRT MEMBERS			
1.	Mr. Rajagopal	Tahsildar, nallar	9245363145
2.	Mr. Mathew Francis	Tahsildar, Karaikal	9677335433
3.	Mr. K.P.Sreejith	Tahsildar, O/o Deputy Collector (Revenue)	9500285151
4.	G.Muthu	DT, Karaikal Taluk	9487032301 222637
5.	N.Ravichandran	DT, nallar Talauk	9443434055 236100
6.	P. Balachandar	CI, Town Police Station	222437 9489205303
7.	J.Sivakumar	CI, T.R.Pattinam, Police Station	233014 9489205304
8.	Mr.Paul @ Marie Christian	CI, nallar Police Station	237020 9489205305
9.	V.Kumaran	Inspector, Coastal Police Station	224750 9443399060
10	Mr.Subramanian	Inspector, Special Branch, Police Department	228100 9489205252
11.	J.Thamizhanban	Tech. Officer, DIC	266467 8015377582

ESF VII – DEBRIS CLEARANCE & EQUIPMENT SUPPORT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	V.Shanmugasundaram	Superintending Engineer, PWD	228262 9842937090
ESF MEMBERS			
1.	A.Rajasekaran	EE, PWD (B & R)	222617 9443853648
2.	Mr.Manickavasagam	EE, PWD (I & PH)	222592 9488483377
3.	B.Prabhakaran	Block Development Officer	230623 9952679057
4.	R. Vishwanathan	AE, B&R PWD	230623
5.	P. Palanisamy	RTO, Karaikal	222729 9444931693
6.	S.K.Senthilvelan	Inspector of Factories	221740 9489260507
7.	Mr.Rajesh Sanyal	EE-V, Electricity	222694 9489080350
8.	R. Rajmohan	Jt. Director, Animal Husbandry Dept.	222421 9843884666
9.	K. Mathialagan	Add. Director, Agriculture	230679 9487619411

SL. NO	Name of the Official	Designation / Office	Contact Number
QRT MEMBERS			
1.	A.Ashokkumar,	AE, (MI Central), PWD	9443875200 222238
2.	A. Anbazhagan	AE, (MI Central-N), PWD	9894559539 222238
3.	G.Thayagarajan	AE,(PH Sub divn) PWD	994225651 222692
4.	R.Dharumu	AE, (Building Div-I) PWD	9443181310 222617
5.	Vishwanathan	AE, (Planning), PWD	9865991344 225650
6.	K.Madhialagan	AD Agriculture Department	9487619411 231879
7.	M.Kaliamoorthy	DD Agriculture Department	9786153769 231879
8.	Mr.Jaganathan	AE, Electricity Department	9489080352 222598
9.	Mr.Sathayanarayana	AE, (Rural), Electricity Dept	9489080354 261246
10.	V.Murugan	JE, Kottucherry Commune Panchayat	265451
11.	Mr.Mouttousivame	AE, Nedungadu Commune Panchayat	9443828797 261282
12	M.Loganathan	AE, T.R.Pattiniam Commune Panchayat	9443286831 233479

ESF VIII – DAMAGE ASSESSMENT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.Manickadeepan	Deputy Collector (Revenue)	227890 9443124851
ESF MEMBERS			
1.	Tmt.Shantha Williams	DD (Planning)	222530 9994569434
2.	B.Prabhakaran	Block Development Officer	230623 9952679057
3.	N.Gandhirajan	Municipal Commissioner, Karaikal Municipality	221412/ 222427 9443384585
4.	K. Mathialagan	Add. Director, Agriculture	230679 9487619411
5.	R. Rajmohan	Jt. Director, Animal Husbandry Dept.	222421 9843884666
6.	K.Gnanapragasam	DD, Statistics	222580 9943646538
7.	A.Jothikumar	Functional Manager, District Industries Center	266467 9944328958
8.	V.Shanmugasundaram	Superintending Engineer-III PWD	228262 9842937090
9.	S.K.Senthivelan	Inspector of Factories	221740 9489260507

SL. NO	Name of the Official	Designation / Office	Contact Number
QRT MEMBERS			
1.	A.Rajasekaran	EE, PWD (B & R)	222617 9443853648
2.	Mr.Manickavasagam	EE, PWD (I & PH)	222592 9488483377
3.	Mr. Mathew Francis	Tahsildar, Karaikal	9677335433
4.	Mr. Rajagopal	Tahsildar, nallar	9245363145
5.	M.Kaliamoorthy	DD Agriculture Department	9786153769 231879
6.	V.Murugan	JE, Kottucherry Commune Panchayat	265451
7.	Mouttousivame	AE, Nedungadu Commune Panchayat	9443828797 261282
8.	M.Loganathan	AE, T.R.Pattiniam Commune Panchayat	9443286831 233479

ESF IX – RELIEF CAMPS

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	B.Prabhavathy	CDPO, Department of Women and Child Development,	223614 8754533678
ESF MEMBERS			
1.	Dr. P. Narayanasamy	DD (Immunization)	230772 9443071062
2.	D.Vetrivel	Chief Educational Officer	230472 9488074422
3.	B.Prabhakaran	Block Development Officer	230623 9952679057
4.	V.Vijaya	Assistant Director. Adi Dravidar Welfare.	222517 8608458213
5.	Mr. Rajagopal	Tahsildar, nallar	236100 9245363145
6.	Mr. Mathew Francis	Tahsildar, Karaikal	222637 9677335433
7.	Mr.Syed Ahamed	Commissioner, Nedungadu Commune Panchayat	261282 9443361282
8.	Mr.Arunachalam	Commissioner, nallar Commune panchayats	236630 / 236900 9443376630
9.	R.Subramanayan	Comissioner, T.R.Pattinam& Neravy Commune panchayats	233479 9443364961 9443338584
10.	Mr.John Arelias	Commissioner, Kottucherry Commune Panchayats	265451 9443365451

SL. NO	Name of the Official	Designation / Office	Contact Number
QRT MEMBERS			
1	Andero	Health Inspector, DD (Immunization)	230772
2.	M. Mohandass, DIS, Zone – I	In-Charge of Central Kitchens,Thalatheru,	9940912297/ 7373770049
	S.Thangaiyan DIS, Zone – II	In-Charge of Central Kitchens,TR.Pattinam	7373770044 (234400)
3.	G.Rajkumar	Sanitary Inspector, Municipality	9865792277
4.	S.Sadiche Coumour,	Revenue Inspector, Taluk Office, Karaikl	9629419997
5.	S.Thandayuthabani,	Revenue Inspector, Taluk Office, nallar	9952527535
6.	G.Ravanan	JE, Municipality, KKL	221412/ 222427
7.	S.Amirthalingam	JE, Municipality, KKL	221412/ 222427
8.	V.Murugan	JE, Kottucherry Commune Panchayat	265451
9.	Mouttousivame	AE, Nedungadu Commune Panchayat	9443828797 261282
10.	M.Loganathan	AE, T.R.Pattiniam Commune Panchayat	9443286831 233479

ESF X – FOOD AND CIVIL SUPPLIES

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.Nagarajan	Deputy Director, Department of Civil Supplies	222718 9442636056
ESF MEMBERS			
1.	K. Mathialagan	Add. Director, Agriculture	230679 230179 9487619411
2.	V.Ramalingam	Deputy Registrar – Co operative Societies	222502 9486009240
3.	R. Muthukrishnan	Dy. General Manager, PASIC	222323 9842654579
4.	Mr.Ganesan	PAPSCO, Karaikal	223018 9488003048
5.	P.Mohamed Dasir	Secretary, Karaikal Market Committee	222766 9443220077
6.	P. Palanisamy	Transport Department	222729 9444931693
QRTMEMBERS			
1.	Mr. Arunan@ Raja	DD,Agriculture Engineering Department	9442688355
2.	R.Ravishankar	Protection Officer,Woman & Child Dev. Dept.	228220
3.	V.Pandurangan	Field Officer, AD Development Corpn.	9943073221 220308
4.	V.Ramalingam	Deputy Registrar, Co- Operatives	8428441447 222502
6.	P. Palanisamy	RTO, Karaikal	222729 9444931693

ESF XI – WATER SUPPLY AND SANITATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Mr.Manickavasagam	EE, PWD (I & PH)	222592 9488483377
ESF MEMBERS			
1.	R. Vishwanathan	AE, Rural Development	230623
2.	Dr. P. Narayanasamy	DD (Immunization)	230772 9443071062
3.	Mr.Syed Ahamed	Commissioner, Nedungadu Commune Panchayat	261282 9443361282
4.	Mr.Arunachalam	Commissioner, nallar Commune panchayats	236630 / 236900 9443376630
5.	R.Subramanayan	Comissioner, T.R.Pattinam & Neravy Commune panchayats	233479 9443364961 /9443338584
6.	N.Gandhirajan	Municipal Commissioner, Karaikal Municipality	221412 9443384585
QRT MEMBERS			
1.	Mr.Rajkumar	Sanitation Inspector, Municipality	9865792277
2.	B.Kandhasamy	RI,Municipality	221412/ 222427
3.	G.Rajkumar	Sanitary Inspector, Municipality	221412/ 222427
4.	R.Govindasamy	Sanitary Maistry, Municipality	221412/ 222427
6.	G.Thayagarajan	AE,(PH Sub divn) PWD	994225651 222692

ESF XII – ELECTRICITY RESTORATION

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	Mr.Rajesh Sanyal	EE – V, Electricity Department	222694 9489080350
ESF MEMBERS			
1.	N. Jagannathan	Assistant Engineer, Electricity	9443488672
2.	Mr.Sathayanarayana	AE, (Rural), Electricity Dept	9489080354 261246
3.	B. Rajaraman	EE, Municipality	222396
4.	K. Rajaganapathy	Executive Engineer (Mech), Puducherry Power Corporation Limited	233287 / 233923 9486590369
5.	A.Rajasekaran	Executive Engineer (PWD, B&R)	222617 9443853648
QRT MEMBERS			
1.	VP.Vaithyanathan	JE,(C&B) Electricity Department	222694
2.	Tmt. Anitha	JE, Tech, Electricity Dept.	222694
3.	Mr. Chandrasekar	AE, (Roads), PWD	9942226654 222617
4.	V.Senthilkumar	AE, (Buildings), PWD	9443875757 222617
5.	M.Krishnamoorthy	Technical Officer,(Electrical), PPCL	94442133193 233193
6.	M.Sundararaman	AEE, Electrical, PPCL	9442176290 233193
7.	G.Ravanan	JE, Municipality, KKL	221412/ 222427
8.	S.Amirthalingam	JE, Municipality, KKL	221412/ 222427

ESF XIII – PUBLIC WORKS AND ENGINEERING

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	A. Rajasekaran	Executive Engineer, PWD (B & R)	222617 9443853648
ESF MEMBERS			
1.	R.Dharumu	AE, Buildings, Div.I, PWD	9443181310 222617
2.	K.Chandrasekaran	AE, Roads, PWD	9942226654
3.	B. Rajaraman	EE, Municipality	222396
4.	N. Jagannathan	AE, Electricity	9443488672
5.	A. pathi	AE, Housing Board	230708 9443508276
QRT MEMBERS			
1.	K. Murugadoss	Jr. Engineer, Housing Board	230708
2.	V.Ravindrakumar	JE, Buildings, PWD	9443651500 222617
3.	P.Shanmugam	JE, Bulidings (N), PWD	9944925835
4.	A.Sathyanarayana	AE, (Rural) Electricity Department	9489080354 261065

ESF XIV – HAZARDOUS MATERIALS RESPONSE

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	S.K.Senthilvelan	Inspector of Factories, Karaikal	221740 9489260507
ESF MEMBERS			
1.	A.Jothikumar	Functional Manager, DIC	266467 9944328958
2.	Mr. Udhal Singh	Station Commandant, (ICGS), Karaikal	04368 226500 1554 – Toll free
3.	Mr.Cheeri	Commanding Officer, NCC	230505, 9500988444
4.	C.Poogajendy	Junior Engineer, Science, Tech and Environment	231540 9943386622
5.	P. Ashok Kumar	Junior Lab Asst., Science, Tech and Environment	231540 9486278771
6.	N.Ravichandran	Labour Officer	222562 9442543668
QRT MEMBERS			
1.	P.Balachandiran,	Circle Inspector (Town) Police Department	9443179123 222437
2.	J.Sivakumar	Circle Inspector (TR Pattinam) Police Department	9894734002 233014
3.	S.Marthiny	Inspector, Coastal Police	9443399060 224750
4.	Mr.Tamilzanban	Technical Officer, DIC	265438
5.	S.K.Senthilvelan	Inspector of Factories, Karaikal	221740 9489260507
6.	G.Gunasegaran	Training Officer, BTC, Labour Department	234432

ESF XV – LAW AND ORDER ENFORCEMENT

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1.	G.Palanivelu	Superintendent of Police, Karaikal	228007 9489205302
ESF MEMBERS			
1.	Mr. Cheeri	Commanding Officer, NCC	230505, 9500988444
2.	Mr. Rajagopal	Tahsildar, nallar	9245363145
3.	Mr. Mathew Francis	Tahsildar, Karaikal	9677335433
QRT MEMBERS			
1.	R.Marie Christian @ Paul	CI, nallar	9360231898 237020
2.	B.Subramaniam	CI, Special Branch	9994209420 228100
3.	G.Muthu	DT, Karaikal Taluk	9487032301 222637
4.	N.Ravichandran	DT, nallar Talauk	9443434055 236100

**ESF XVI – RESOURCES MOBILIZATION – CONTRACTING
SERVICES – VOLUNTEER AND DONATION SUPPORT**

SL. NO	Name of the Official	Designation / Office	Contact Number
ESF TEAM LEADER			
1	Tmt.P.Sathya	Assistant Director, Social Welfare Department	223026 9626335821
ESF MEMBERS			
1	Tmt.Santha Williams	DD (Planning)	222530 9994569434
2	A.Jothikumar	Functional Manager, District Industries Center	266467 9944328958
3	K.P.Sreejith	Tahsildar, O/o Deputy Collector (Revenue)	9500285151 222467
4	K.Gnanapragasam	DD, Economics & Statistics	222580 9943646538
5.	N.Ravichandran	Labour Officer	222562 9442543668
6.	K.Chandrasekaran	AE, Roads, PWD	9942226654 222617
QRT MEMBERS			
1.	G.Subramanian	DD, Secondary Education, Education Department	230472
2.	Mr. Sellamuthu	Dy.Tahsildar, O/o Deputy Collector (Revenue)	04368 222467 9840505871
3.	S.Madhivanan	AE(Planning) PWD	222592
4.	G.Gunasegaran	Training Officer, BTC, Labour Department	234432

