

# **PREFACE**

The District Disaster Management Plan (DDMP) is the first hand guiding principle for disaster management. It will play a pivotal role to cope up with unseen nature's fury that occurs every year. The information available in DDMP is valuable in terms of its use throughout the DM cycle. Utmost attention has been paid to make it handy, precise rather than bulky one. While preparing this plan, most of the issues, relevant to crisis management, have been carefully dealt with. Efforts have been made to collect and develop this plan to make it more applicable and effective to handle any type of disaster in the Capital.

The DDMP will strengthen the efforts on management and clearly earmark the role and responsibility of the various taskforce and stakeholders. I fervently hope that DDMP would be highly useful not only for district Administration but also for all line Departments and stake holders such as NGOs, CBOs and Civil Societies to provide the efficient and effective service to the public at the time of calamity. For successful implementation of various strategies of DDMP, it is essential to work in more co-operative and co-ordinated ways with district administration.

**Deputy Commissioner cum Chairman,  
District Disaster Management Authority (DDMA)  
Date: 14/09/2020**



# PREFACE

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## INTRODUCTION

The Disaster Management Plan of Itanagar Capital Region, hereinafter referred as the Plan, is a multi-hazard response plan that assists and equips the district administration to organize its emergency preparedness for the pre, during and post disaster, so that response and mitigation functions timely and in an efficient manner within the district and also to extend the necessary support to the state and central government. It is a plan that focuses on operations, and defines the Characterization of responder agencies of the district, from within and outside the government.

### 1.1 District Profile

The State Capital complex, a new administrative unit was bifurcated from Papumpare district for sake of administrative convenience on 1<sup>st</sup> October 2008 with Deputy Commissioner covering Naharlagun circle, Banderdewa Circle and Itanagar Circle. Itanagar is located on the southern part of Arunachal Pradesh.

|                                     |   |
|-------------------------------------|---|
| <b>Area</b>                         | 491 km <sup>2</sup>   |
| <b>Latitude</b>                     | 20 - 0' N to 20-25' North   |
| <b>Longitude</b>                    | 72- 50' E to 73-15' E East  |
| <b>Geographical Regions</b>         | <b>Itanagar:</b> Itanagar is situated at the foothills of <a href="#">Himalayas</a> . Situated at above 300msl  |
| <b>Connected Districts / States</b> | <ul style="list-style-type: none"><li>o Assam in south, papumpare district In north Lower Subansiri in East and east Kameng in west.</li></ul>  |
| <b>Accessibility</b>                | <ul style="list-style-type: none"><li>o Itanagar now well connected with railway from Naharlagun to New Delhi via Guwahati</li><li>o Connected to National Highway No.415, from Guwahati to Itanagar.</li><li>o Regular <a href="#">Helicopter</a> service is available from <a href="#">Guwahati</a> to Naharlagun (Itanagar).</li></ul> |
| <b>Minor/Major Rivers</b>           | <ul style="list-style-type: none"><li>o Dikrong, Barapani, Pachin, Senki</li></ul>  |

### 1.2 Demography

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Population</b>         | 1,22,930                          |
| <b>Male population</b>    | 62,424                            |
| <b>Female population</b>  | 60,506                            |
| <b>Sex Ratio</b>          | 969 females per 1000 males.       |
| <b>Population Density</b> | 51 per Sq.Km(including Papumpare) |
| <b>Rural Population</b>   | 27,282                            |
| <b>Urban Population</b>   | 95,648                            |
| <b>Literacy Rate</b>      | 83.55%                            |

\*Source: DSO, ICC as per 2011 Census

**1.3 OBJECTIVES:** The objective behind the preparation of the Disaster Management Plan is:-

- To mitigate impact of natural and manmade disasters through preparedness at District level, Blocks, Gram Panchayat and village level.
- To provide effective support and resources to all the concerned individuals, groups and departments during disasters.



- (c) To assist the line depts, block administration, communities in developing compatible skills for disaster management.
- (d) To disseminate factual information in timely, accurate and tactful manner while maintaining necessary confidentiality.
- (e) To develop immediate and long term support plans for vulnerable people in/during disasters.
- (f) To create awareness among the people about hazard occurrences and increase their participation and preparedness, prevention, development, relief, rehabilitation and reconstruction process.
- (g) To have response system in place to face any eventuality.

**1.4 NECESSITY OF THE PLAN:** The Plan establishes an administrative structure for a systematic, coordinated and effective response at the district level. The purpose of the plan is to:

- Define a system of coordination at the different level.
- Establish a central facility to enables all the responder agencies to interact and coordinate their efforts.
- Suggest hazard-specific preparedness, response and mitigation measures.
- Plan resource requirements, and coordinate with the state government for requisitioning more resources.
- Provide an inventory of resources, key facilities and addresses for deployment and assistance towards preparedness and mitigation.

Responding to an urgent call of society to change the paradigm from the traditional practice of giving relief towards reducing the risk of disaster, the Govt. is emphasizing that at all level; administration's primary role should be the preparedness, mitigation, reduction and response of a disaster based on community participation.

## 1.5 DISTRICT DISASTER MANAGEMENT AUTHORITY

**In exercise of the power conferred under section 25(1) of the Disaster management Act, 2005, the Governor of Arunachal Pradesh has constituted the DISTRICT DISASTER MANAGEMENT AUTHORITY (thereinafter called the District Authority).**

The District Authority shall consist of the following members, namely:

- |   |   |                         |
|---|---|-------------------------|
| (a) Deputy Commissioner   | - | Chairperson ex-officio  |
| (b) Chairperson(ZPM)<br>(Chief Councilor) in case of Municipal Council. | - | Co-Chairperson          |
| (c) Additional Deputy Commissioner (HQ)                                 | - | Chief Executive Officer |
| (d) Superintendent of Police  | - | Member                  |
| (e) District Medical Officer  | - | Member                  |
| (f) Executive Engineer PWD (Naharlagun)                                 | - | Member                  |
| (g) Deputy Director,UD& Housing   | - | Member                  |
| (h) District Disaster Management Officer/FO                             | - | Convener                |



**Power and functions of District Disaster Management Authority shall be as follows**

- (i) Prepare a disaster management plan including district response plan for the district.
- (ii) Coordinate and monitor the implementation of the National policy, State Policy, National Plan, State Plan and District Plan.
- (iii) Ensure that the areas in the district vulnerable to disaster are identified and measures for the prevention of disasters and the mitigation of its effects are undertaken by the department of the Government at the district level as well as by the local authorities.
- (iv) Ensure that the guidelines for the prevention of disasters, mitigation of its effects, preparedness and response measure as laid down by the National Authority and the State Authority are followed by all departments of the Government at the district level and the total Authorities in the district.
- (v) Review the state of capabilities for responding to any disaster or threatening disaster situation in the district and give directions to the relevant departments or authorities at the district level.
- (vi) Ensure that the Departments of the Government at the district level and the authorities prepare their response plans in accordance with the district response plan.
- (vii) Lay down guidelines for, or give direction to, the concerned Department of the Government at the district level or any other authorities within the local limits of the District to take measures to respond effectively to any threatening disaster situation or Disaster.
- (viii) Review development plans prepared by the Departments of the Government at the District level, statutory authorities or local authorities with a view to make necessary provisions there in for prevention of disaster or mitigation.
- (ix) Examine the construction in any area in the district and, if it is of the opinion that the standards for the prevention of disaster or mitigation laid down for such construction is not being or has not been followed, may direct the concerned authority to take such action as may be necessary to secure compliance of such standards.
- (x) Establish stockpiles of relief and rescue materials or ensure preparedness to make such materials available at a short notice.
- (xi) Provide information to the State Authority relating to different aspects of disaster management.
- (xii) Encourage the involvement of Non-Governmental Organizations and Voluntary Social Welfare institutions working at the grassroots level in the district for disaster management.

**1.6 INCIDENT RESPONSE SYSTEM**

In case of any Disaster, an Incident Response System is notified under notification No.DC/ICC/DM-52/IRS/16 dated 11<sup>th</sup> April 2016 where the responsibilities are defined with the individuals along with the tasks to be performed in the District.

- |    |                               |   |                                   |
|----|-------------------------------|---|-----------------------------------|
| 1. | Responsible Officer           | : | Deputy Commissioner               |
| 2. | Incident Commander            | : | Addl. Deputy Commissioner         |
| 3. | Deputy Incident Commander     | : | Chief Municipal Executive Officer |
| 4. | Safety Officer                | : | Supdt. Of Police                  |
| 5. | Liaison Officer               | : | DFO and DDMO                      |
| 6. | Information and Media Officer | : | DIPRO                             |



## DISTRICT DISASTER MANAGEMENT PLAN 2020

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7. Operation Section Chief : Supdt. Of Police
  - a) Staging Area Manager : EE, PWD/DDSE
  - b) Rescue and Response Branch : Concerned Circle Officer
    - i) Natural Disaster : Fire Officer
    - ii) Epidemic & Health Hazard : DMO
    - iii) Manmade Disaster : Dy. SP
  - c) Transport Branch(Road) : DTO/ EAC (MV)  
Rail, water & Air unit
8. Planning Section Chief : SDO(S)
  - a) Situation Unit : EAC Ita/EAC Naharlagun
  - b) Resource Unit : EAC (Naz)
  - c) Documentation Unit : DIPRO/DIO
  - d) Demobilization Unit : EAC (MV)
9. Logistic Section Chief : ADM cum Chief Estate Officer
  - a) Service Branch : EAC (Nazareth)
    - i) Communication unit : DDMO/ DIPRO
    - ii) Medical unit : DMO
    - iii) Food unit : DF&CSO
  - b) Support Branch : Chief Municipal Executive Officer
    - i) Resource Provisioning unit : EE PWD,DDSE
    - ii) Facilities unit : EE, RWD/ Elect/ HPD/SDO (BSNL)
    - iii) Ground Support unit : EE, PHED/ WRD/DD,ICDS
  - c) Finance Branch : EAC (Relief)
    - i) Time unit : DDMO
    - ii) Compensation unit : DDMO in coordination with DAO & other Admin Officers.
    - iii) Procurement unit : EAC (Nazarat)
    - iv) Cost Unit : DDMO/FAO





## CHAPTER – II

### RISK ASSESMENT AND VULNERABILITY ANALYSIS

The entire capital complex is prone to various type of disasters like landslide, flash flood, fire accident and storms etc. The capital has witnessed major flashflood in 2008 during monsoon. Major landslide in 2011 and 2014 where it claimed many lives.

#### 2.1 History of vulnerability of disaster to different disaster:

| Year | Loss of lives due to :- |   |      |   |            |   |            |   |       |   | Total |
|------|-------------------------|---|------|---|------------|---|------------|---|-------|---|-------|
|      | Landslide               |   | Fire |   | Flashflood |   | Earthquake |   | Other |   |       |
|      | M                       | F | M    | F | M          | F | M          | F | M     | F |       |
| 2008 | 0                       | 0 | 0    | 0 | 3          | 0 | 0          | 0 | 0     | 0 | 3     |
| 2009 | 2                       | 0 | 0    | 0 | 0          | 0 | 0          | 0 | 0     | 0 | 2     |
| 2010 | 4                       | 0 | 0    | 0 | 0          | 0 | 0          | 0 | 0     | 0 | 4     |
| 2011 | 4                       | 0 | 1    | 0 | 0          | 0 | 0          | 0 | 1     | 0 | 6     |
| 2012 | 0                       | 0 | 2    | 1 | 0          | 0 | 0          | 0 | 0     | 0 | 3     |
| 2013 | 0                       | 0 | 0    | 1 | 1          | 0 | 0          | 0 | 0     | 0 | 2     |
| 2014 | 5                       | 2 | 3    | 0 | 0          | 0 | 0          | 0 | 0     | 0 | 10    |
| 2015 | 3                       | 0 | 0    | 2 | 0          | 0 | 0          | 0 | 0     | 0 | 5     |
| 2016 | 0                       | 0 |      |   | 0          | 0 | 0          | 0 | 0     | 0 |       |
| 2017 |                         | 1 | 0    | 0 | 1          | 1 | 0          | 0 | 0     | 0 | 3     |
| 2018 | 9                       | 2 |      |   |            |   |            |   |       |   | 11    |
| 2019 | 0                       | 0 | 2    | 2 | 0          | 0 | 0          | 0 | 0     | 0 | 4     |
| 2020 | 2                       | 3 | 0    | 0 | 1          | 0 | 0          | 0 | 0     | 0 | 6     |

\*Source: As per office record

#### 2.2 Hazard, Risk and Vulnerability

Due to its geo-climatic, geological and physical features, the Itanagar Capital region is very much vulnerable to all-major natural hazards (Drought, Flood, Cyclone, Earthquake, Fire etc.) and Man-made hazards (accidents/ law and order etc.)

**Earthquake:** As per the Seismic Map of India, the entire state of Arunachal Pradesh falls under Seismic Zone V. The vulnerability is high in capital complex due to:

1. 1. Illegal and rapid earth cutting.
2. Unplanned building construction
3. Difficult topography
4. Poor literacy on technical knows- how.
5. Encroachment.
6. Rapid urban growth.

**Landslide:** Landslides are common feature in capital which can be seen abundantly in the rainy season. The major factors that influence occurrence of landslide are heavy rainfall, forest density, human activities like terrain cutting and filling, geological structure, etc. Every year Capital complex experiences huge loss of properties and lives.



**Vulnerability Analysis:** Based on the parameters like rainfall, vegetative cover, land use /land cover/geomorphology, settlement and development of roads etc. The region is divided into 5 landslide zones. Very high, high, moderate, low and very low. Almost entire capital falls under zone V.

**Flood/Flashflood:** All the major rivers and nallas get surged abnormally during the monsoon season causing numbers of landslide, debris slide, mudslide which disrupts the transport and communication in the capital complex. Heavy rainstorms, concentrated runoff and choked drainage are responsible for most of the floods in the Itanagar which marred the beauty of Capital complex.

**Vulnerability Analysis:** The Flood hazard zone is divided into 5 zones:

|           |         |  |
|-----------|---------|--|
| Severe    | 0 - 5m  | Normally found in flood plain areas will be affected frequently. Crop loss will be more.               |
| Very high | 5m-10m  | When sudden rainfall and intense rainfall occurs, inter montane and valley are flooded within no time. |
| High      | 10m-20m | Normally found in hilly region. Not so safe.   |
| Moderate  | 20m-40m | Areas which are above 40m above in plain area are considered to be safe.                               |
| Low       | 40m-80m | Areas which are above 80m above in plain area are considered to be safe.                               |

Severe flood hazard zones are located along the Pachin and Dikrong rivers in Naharlagun and Banderdewa. Very high, high, moderate and low flood hazard zones are observed as narrow zones on either side of Pachin, Dikrong, Senki river. These zones are located in all the circles.

**Name of the Rivers/Nallas/Streams that are flood prone:**

| SI. No. | Circle               | Name of the stream | Circle                    | Name of the stream |
|---------|----------------------|--------------------|---------------------------|--------------------|
| 1.      | Itanagar             | Daath              | Naharlagun/<br>Banderdewa | Chessa             |
|         |                      | Daath Pabung       |                           | Dikrong            |
|         |                      | Senki              |                           | Borum              |
|         |                      | KolaCamp Stream    |                           | Buk                |
|         |                      | Yamso Stream       |                           | Pachin             |
|         |                      | IG park Stream     |                           | Hostalam           |
|         |                      | Niti Vihar stream  |                           | Tarajuli           |
|         | Doni Pabung          | Sebi               |                           |                    |
|         | Raj Bhawan Stream    | Nyorch             |                           |                    |
|         | Nyokum Lapang stream | Damsite river      |                           |                    |
|         | Modi Rijo            | Barapani           |                           |                    |
|         | Tingha stream        | Kankarnallah       |                           |                    |
|         | Donyi Polo           | Papu Nallah        |                           |                    |
|         | Sanglo Potung stream | Lekhi Nallah       |                           |                    |
|         | Rikung Pabung        | Chokaso            |                           |                    |
|         | Sanglo Pabung        | Nirjuly river      |                           |                    |
|         | Richi stream         | Guni river         |                           |                    |
|         | Hoka stream          | BichumYogin Nallah |                           |                    |
|         | Buka stream          | Gich Nallah        |                           |                    |



|  |                  |                 |
|--|------------------|-----------------|
|  | Buka stream      | Gich Nallah     |
|  | Birup stream     | Kulma river     |
|  | Paga Tara Pabung | Karsingsa river |
|  | Pachin           | Kundakuwa river |
|  | Dokoso           | PTC Nallah      |
|  | Chimpu           |                 |
|  | Kongko           |                 |
|  | Anya             |                 |
|  | Laden            |                 |
|  | VKV stream       |                 |
|  | Harik stream     |                 |
|  | Doksho stream    |                 |
|  | Zoo stream       |                 |
|  | Jami-Jate stream |                 |

\*Source:WRD

**FIRE:** Fire is the most common disaster which occurs in Capital Complex, claiming many lives and properties.

**Factors of Fire accident:**

1. Human error or carelessness
2. Lack of awareness
3. Electric Short circuit

**Rapid Urbanization and Urban Development Patterns/population explosion:**

The total geographical area of the Itanagar is 200 sq. km. With rapid rise in urban population every decade, cities are heading for a population explosion and state Government is gearing up to meet the challenges in urban infrastructure. Itanagar Capital Complex is one of the highest urban populated areas being the capital of the state, lakes in adequate infrastructure to meet expanding needs of people who come from districts for higher studies, business, official work, medical treatment etc. Thus, cities may face severe crisis of water supply network, sewerage, solid waste clearance, traffic congestion among other infrastructural requirement

**Climate Change:**

Managing Climate Change is a major challenge to humanity. In the recent years many miscreants have started burning forest area in and around the capital complex which has become the major issues or attributes to the climate change in capital. In the days to come if forest fire is not controlled it may lead to the many environmental issues

**Man-made Disaster**

Man-made disasters are unpredictable and can spread across geographical boundaries. Some disasters in this class are entirely manmade while other may occur because of natural disasters, equipment failures, or workers having inadequate training or fatigue and make errors.



### 2.3 Vulnerable Areas Identified:

#### ITANAGAR CIRCLE

| <b>Sl.No</b> | <b>VULNERABLE AREA</b>  | <b>Prone to</b>              |
|--------------|---|------------------------------|
| 1            | Kime paka to F-sector culvert point                               | Flood                        |
| 2            | Subansiri Colony  | Flood/erosion                |
| 3            | Nyabia colony   | Flood/erosion                |
| 4            | Niti Vihar  | Landslide                    |
| 5            | Dony polo road area   | Landslide                    |
| 6            | Doordarhan colony   | Landslide                    |
| 7            | Chandranagar area along the bank of Senkiriver(industrial colony) | Flood/erosion/landslide      |
| 8            | Seke Colony (Back side of Akashdeep )                             | Landslide/Flash flood        |
| 9            | Chimpu along bank of Dokhoso river                                | Flood/erosion                |
| 10           | Rumi Colony   | Landslide/soil erosion       |
| 11           | Adi Basti   | Landslide/soil erosion       |
| 12           | Chimpu-I UD area  | Landslide/soil erosion       |
| 13           | Chimpu-II   | Flood/erosion/landslide      |
| 14           | Dokum colony  | Landslide/soil erosion       |
| 15           | Kola Champ Panchali   | Landslide/soil erosion       |
| 16           | Backside of RKM   | Landslide/soil erosion       |
| 17           | RWD colony  | Landslide/soil erosion/Flood |
| 18           | Museum Colony   | Landslide/soil erosion       |
| 19           | Lobby Colony  | Landslide/soil erosion       |
| 20.          | Nyokum Lapang   | Landslide/soil erosion       |
| 21.          | Back side of Govt.Ayurvedic research center                       | Landslide/soil erosion       |
| 22.          | Abotani colony/E-sector   | Flash flood/soil erosion     |
| 23.          | Back side of HCM Bunglow  | Landslide/soil erosion       |

#### NAHARLAGUN CIRCLE:

| <b>Sl.No</b> | <b>VULNERABLE AREA</b>               | <b>PRONE TO</b>        |
|--------------|--------------------------------------|------------------------|
| 1.           | Pachin area                          | Flood                  |
| 2.           | SIB Colony                           | -do-                   |
| 3.           | Barapani Area                        | Flood and Soil Erosion |
| 4.           | Damsite and Down colony              | -do-                   |
| 5.           | Upper and Lower side of logun bridge | -do-                   |
| 6.           | Premnagar Naharlagun                 | -do-                   |
| 7.           | Helipad area                         | -do-                   |
| 8.           | Upper/ Lower side of Kankar nalla    | -do-                   |
| 9.           | Upper/ Lower side of Nirjuly bridge. | -do-                   |
| 10           | NH 52 A near Dree ground             | Land Slide zone        |
| 11.          | NH 52 A near Yupia tri junction      | Land Slide zone        |
| 12.          | NH 52 A near Model village           | Land Slide zone        |
| 13.          | Youth Hostel road near Legi complex. | Land Slide zone        |

**BANDERDEWA CIRCLE:**

| <b>Sl.No</b> | <b>VULNERABLE AREA</b> | <b>PRONE TO</b> |
|--------------|------------------------|-----------------|
| 1.           | Lower Dobom            | Flashflood      |
| 2.           | 5/1 Banderdewa         | Flashflood      |
| 3.           | PTC area               | Flashflood      |

**C. Area wise Risk Analysis for Capital complex:**

| <b>Sl. No.</b> | <b>Name of the Circle</b> | <b>Area</b>    | <b>Landslide Hazard Zone</b> | <b>Earthquake Hazard Zone</b> | <b>Flood Hazard Zone</b> |
|----------------|---------------------------|----------------|------------------------------|-------------------------------|--------------------------|
| 1              | Itanagar                  | Itanagar       | Very High                    | Moderate                      | Very High                |
|                |                           | Chimpu         | Very High                    | Moderate                      | Very High                |
|                |                           | Bat            | Very High                    | Moderate                      | Free from floods         |
|                |                           | Jollang        | Low                          | Low                           | Low                      |
|                |                           | Papu           | Very High                    | Moderate                      | Very High                |
| 2              | Naharlagun                | Karsingsa area | Very High                    | Moderate                      | Severe                   |
|                |                           | Naharlagun     | Very High                    | Moderate                      | Severe                   |
|                |                           | Lekhi          | Very High                    | Low                           | Severe                   |
|                |                           | Nirjuli        | Very High                    | Low                           | Severe                   |
|                |                           | Papu Very      | Very High                    | Moderate                      | High                     |
| 3              | Banderdewa                | Banderdewa     | Very High                    | Moderate                      | High                     |



**Total Number of Villages**

| <b>ITANAGAR CIRCLE</b> |                       | <b>NAHARLAGUN CIRCLE</b> |                        | <b>BANDERDEWA CIRCLE</b> |                        |
|------------------------|-----------------------|--------------------------|------------------------|--------------------------|------------------------|
| Sl. No.                | Name of the villages  | Sl. No.                  | Name of village        | Sl. No.                  | Name of village        |
| 1.                     | Bat                   | 1.                       | Ania                   | 1.                       | Achi Hapa              |
| 2.                     | Bedhi Bdhak           | 2.                       | Bichun Yogin           | 2.                       | Banderdewa             |
| 3.                     | Birup                 | 3.                       | Borum                  | 3.                       | Banderdewa 5/1         |
| 4.                     | Birup                 | 4.                       | Buk                    | 4.                       | Banderdewa Aniya       |
| 5.                     | Chimi                 | 5.                       | Deriya                 | 5.                       | Banderdewa Dapo        |
| 6.                     | Chimpu                | 6.                       | Dichi                  | 6.                       | Banderdewa Market Line |
| 7.                     | Dami Hapa             | 7.                       | Ernie                  | 7.                       | Banderdewa Nyokom      |
| 8.                     | Dat                   | 8.                       | Guni                   | 8.                       | Banderdewa Tani-I      |
| 9.                     | Ganga                 | 9.                       | Hara Hapa              | 9.                       | Banderdewa Tani-II     |
| 10.                    | Girahapa              | 10.                      | Hochung                | 10.                      | C.F.Colony             |
| 11.                    | Hokka                 | 11.                      | Hostalam               | 11.                      | Changmara              |
| 12.                    | Jollang               | 12.                      | Komla                  | 12.                      | Chessa                 |
| 13.                    | Kongko                | 13.                      | Kongra                 | 13.                      | Chessa I               |
| 14.                    | Lobi Dariya           | 14.                      | Lekhi Village          | 14.                      | Chessa II              |
| 15.                    | Lorr                  | 15.                      | Lotha                  | 15.                      | Dipu Colony            |
| 16.                    | Mugli                 | 16.                      | Mop Pop                | 16.                      | Dolicoto               |
| 17.                    | Paga- Tarak           | 17.                      | Naharlagun Model Vill. | 17.                      | Dree Colony            |
| 18.                    | Papu Nallah to E/Gate | 18.                      | Nanital                | 18.                      | Duda Namchang          |
| 19.                    | Richi                 | 19.                      | Nirjuli Complex        | 19.                      | Durpang Forest Camp    |
| 20.                    | Tago                  | 20.                      | Nirjuli Village        | 20.                      | Durpang Nyishi         |
| 21.                    | Yijo Hapa             | 21.                      | Nirjuli-I              | 21.                      | Forest Colony          |
|                        |                       | 22.                      | Upper Nyorch           | 22.                      | Lower Dobum            |
|                        |                       |                          |                        | 23.                      | Niya Namchang          |
|                        |                       |                          |                        | 24.                      | Pichola Nyishi         |
|                        |                       |                          |                        | 25.                      | Pichola Nyishi         |
|                        |                       |                          |                        | 26.                      | Pichola Saw Mill       |
|                        |                       |                          |                        | 27.                      | PTC Banderdewa         |
|                        |                       |                          |                        | 28.                      | Ruru Hapa              |
|                        |                       |                          |                        | 29.                      | Sonajuli               |
|                        |                       |                          |                        | 30.                      | Sonajuli Farm          |
|                        |                       |                          |                        | 31.                      | Tani Hapa Lower        |
|                        |                       |                          |                        | 32.                      | Tani Hapa Upper        |
|                        |                       |                          |                        | 33.                      | Tapik Colony           |
|                        |                       |                          |                        | 34.                      | Tarajuli               |
|                        |                       |                          |                        | 35.                      | Tarajuli – I           |
|                        |                       |                          |                        | 36.                      | Tarajuli Forest Camp   |
|                        |                       |                          |                        | 37.                      | Taram                  |
|                        |                       |                          |                        | 38.                      | Upper Dobum            |
|                        |                       |                          |                        | 39.                      | Upper Kharsingsa       |
|                        |                       |                          |                        | 40.                      | Vana Vigyan Kendra     |

\*Source:-NIC, ICC



## CHAPTER – III

### CAPABILITY ANALYSIS

Authentic assessments can make the planner aware of their firmness and wands, so that they can equip themselves with all the required items and materials well in advance. The resources necessary for disaster preparedness during and after disasters that are available in the district are listed below:

#### 3.1 Safe Shelter Places Identified:

All the Administrative Officer's Office, Schools, and playground shall be earmarked as safe shelter places by the concerned Administrative Officer after authentication of the location and condition of those establishments. And following locations have been earmarked as safe shelters:

#### ITANAGAR AREA: SAFE SHELTER

|  |                             |              |
|--|-----------------------------|--------------|
| 1. Gyan Ganga School,<br>Chandranagar, Ita | In Charge - Shri Lishi Reka | : 9436810818 |
|  | Nodal Officer-              |              |
|  | Neelam Teji, EAC, Ita       | : 9436040312 |
|  | Moromi D. Sonam, DDMO       | : 8787336331 |

#### NAHARLAGUN AREA: SAFE SHELTER

|  |                             |              |
|--|-----------------------------|--------------|
| 1. GHSS Kankarnalla,<br>Model village, Nlg | Principal- Sorang Tapi Zara | : 9436041579 |
|  | Nodal Person -              |              |
|  | Likha Radh, EAC, Nlg        | : 8414861239 |
|  | Moyir Kato CO(Hq)           | : 9436637676 |

#### 3.2 Anganwadi Centers: -

| Division             | No.of Anganwadi centres | Name and Contact No.of CDPOs |
|----------------------|-------------------------|------------------------------|
| Itanagar             | 81                      | SC Tok- 9436221491           |
| Naharlagun           | 70                      | Punung Moying-9856929945     |
| Nirjuly & Banderdewa | 40                      | Lali Lego-9436041587         |

\*Source:CDPO



### 3.3 Details of Schools

| Sl. No. | Circle     | GPS | GMS | GSS | GHSS | Other Private/residential | Total |
|---------|------------|-----|-----|-----|------|---------------------------|-------|
| 1.      | Itanagar   | 25  | 13  | 4   | 3    | 44                        |       |
| 2.      | Naharlagun | 12  | 12  | 3   | 2    | 36                        |       |
| 3.      | Banderdewa | 15  | 7   | 1   | 0    |                           |       |

*\*Source: DDSE*

### 3.4 List of Police Stations:

| Sl.No | Location:         | Officer with Contact No.  |
|-------|-------------------|---|
| 1.    | Itanagar PS       | <b>Landline: 0360-2212233</b><br><b>Officer in Charge: 9436023044</b> |
| 2.    | Naharlagun PS     | <b>Landline: 0360-224432</b><br><b>Officer in Charge: 9436059072</b>  |
| 3.    | Banderdewa PS     | <b>Landline: 0360-226636</b><br><b>Officer in Charge: 9436228583</b>  |
| 4.    | Nirjuli PS        | <b>Officer in Charge: 8787643849</b>                                  |
| 5.    | Women PS Itanagar | <b>Officer in Charge: 9436609130</b>                                  |

*\*Source: SP Office*

### 3.5. List of Health Services:

| Sl.No | Location   | PHC | UPHC | Sub-Center | Dispensary | Total |
|-------|------------|-----|------|------------|------------|-------|
| 1.    | Itanagar   | 1   | 1    | 5          | 2          | 9     |
| 2.    | Naharlagun | -   | 1    | 4          | -          | 5     |
| 3.    | Banderdewa | 1   | 1    | 1          | 4          | 7     |

*\*Source: Health Department*





## CHAPTER – IV

### MITIGATION AND PREPAREDNESS PLAN

Pre-disaster planning consists of activities such as disaster mitigation and disaster preparedness. Disaster mitigation focuses on the hazard that causes the disaster and tries to eliminate or considerably reduce its direct effects. The best example of mitigation is the construction of embankments and construction of proper drainage system in flood prone areas to avoid floods. The other example includes retrofitting of weak buildings to make them earthquake resistant.

And preparedness focuses on plans to respond to a disaster threat or occurrence. It takes into account an estimation of emergency needs and identifies the resources to meet the needs. The first objective of the preparedness is to reduce the disaster impact through appropriate actions and improve the capacity of those who are likely to be affected most. The second is to ensure that ongoing development continues to improve the capacities and capabilities of the system to strengthen preparedness efforts at community level. Finally it guides reconstruction so as to ensure reduction in vulnerability. The best example of preparedness activities are the development of community awareness and sensitization system through community education and administrative preparedness by way of stockpiling of supplies, developing emergency plans for rescue and relief.

#### 4.1 Specific Disaster Mitigation Measures

##### 4.1.1 Earthquakes

Capital Complex falls under earthquake zone – V the most vulnerable area in case of any earthquake occurrence, so following mitigation measures should be taken to reduced the impact of earthquake: -

- Adoption of building codes for new construction in various areas.
- Public utility buildings must be located in stable areas or in stiff soil.
- Retrofitting of weak structures.
- Relocation of people settled in the steep slope areas and near the river bank.

##### 4.1.2 Flood Mitigation

Flood mitigation refers to the measures aimed at prevention and preparedness. It reduces the actual or probable impact of floods on the people and their environment.

Urban Floods are very common in Capital because of improper drainage. The main causes of these floods may be:

- Obstruction in drainage system due to heavy rainfall.
- Increase in siltation in riverbeds due to erosion in the catchment areas.
- Change of river course because of poor natural drainage system.

The mitigation measures should be oriented to take proper care of these problems and thus will automatically reduce the impact of flood in the district. The various measures adopted for flood mitigation may be categorized in two groups structural and non-structural.

#### Structural

- Construction of embankments / floodwalls along the river bank and improvement of the channel (by WRD).



- Construction of drainage system in the town and other parts (by PWD/UD).
- Careful location of new facilities, particularly community facilities such as schools, hospitals and other important infrastructure away from flood prone areas.

### **Non-structural**

- Collection of daily rainfall data (by WRD).
- Flood forecasting and warning (by WRD & General Administration, IMD).
- Prepare detailed floodplain map of the district, based on extent of land submerged, and assessment of damages. Analyze how the pattern of flooding has changed over a period of time (by WRD & GA).
- Plantation in the catchment areas and landslide zone to check soil erosion (by forest dept).
- Preparation of DDMP and awareness programme through IEC (information, education & communication by GA).

#### **4.1.3 Cyclonic storm**

Cyclonic storm is annual feature during pre-monsoon season (March-May) causing widespread damage to the crop and other properties. The main mitigation strategies for storm hazards are a well informed public and an effective warning system. The following mitigation measures can be adopted to reduce the impact of cyclonic storm: -

- Location of key facilities in leeward sides of hill/ less vulnerable areas (by District Administration and Land Management).
- Planting windbreaks in the most vulnerable locations (by DFO).
- Construction of strong, wind safe public buildings which can be used for community shelter in settlements (by UD & PWD).
- Crops can be protected by introducing agricultural practices and cultivation of those crops which are more resistant to high winds (Agriculture & Horticulture Dept.).
- Compilation of meteorological data for forecasting of storm (By Dept concerned).
- Public dissemination of information through mass media, poster campaigns and village meetings (by District Administration/IPR)

#### **4.1.4 Landslide**

Landslide is most common which wipes out crop, agriculture field, irrigation cannel, roads and bridges and other infrastructures, though loss of Human lives and livestock. Landslide can be caused by poor ground conditions, geomorphic phenomena, natural physical forces, improper land use pattern and quite often due to heavy spells of rainfall coupled with obstructed drainage. The chief mitigation measures to be adopted in the district are: -

- Correction of drainage systems in the landslide prone areas by maintenance of natural drainage channels both micro and macro in vulnerable slopes (by PWD/UD).
- Regulation of land use pattern (Land Management).
- Afforestation of areas occupied by degraded vegetation (by DFO (T)).
- Re-location of settlements that are in the landslide prone areas (by GA).
- Construction of gabion structure in important areas (by WRD/PWD/UD).



- Creation of awareness among local people (by GA).
- Regular observation of rainfall pattern (by WRD).

#### 4.1.5 Fire Accident

Fire accident is the most common mishap, causing regular threat to the people and their properties. The compact settlements and short circuit due to improper wiring is the main cause of fire accident. The following mitigation measures may be taken up to contain fire accident: -

- Installation of fire extinguisher cylinders in all institutions (by concerned institutes).
- Construction of fire hydrant in fire prone areas (by PHED/Police/GA).
- Installation of fire warning systems in community facilities such as in school and hospitals (by concerned institutes).
- Attachment of thatch houses in Govt. buildings should be prohibited (by GA).
- Awareness about the causes of fire accident in rural areas and motivate the villagers to construct their houses at sufficient distance from one another (by GA/PRI).

#### 4.1.6 Forest Fire

Forest fire is also a major calamity causing widespread damage to flora and fauna in the area. Following measures should be adopted to deal with this calamity: -

- Deployment of forest watcher in strategic locations with wireless set (by Forest Dept.).
- Awareness to the local people about forest fire and importance of flora and fauna.

#### 4.1.7 Epidemics

The Health Department & Veterinary dept is the nodal agency responsible for monitoring and control of epidemics. Mitigation measures for control of epidemics would include:

- Identification of areas prone to certain epidemics must be updated to access field requirements (by DMO & DVO).
- Testing laboratories in district hospital must be well equipped and updated (by DMO).
- Regular flow of data from both government establishment and NGOs run hospitals (by DA).
- Analyzing and collating the data at regular intervals to access epidemiological monitoring requirements (by DMO/DVO).
- Awareness campaign to the PRI members, students and the villagers about various kinds of disease and their causes that are prevalent in the area (by DMO/DVO/DA).

#### 4.1.8 Road accidents

Many lives were lost and casualties are reported annually due to road accident, which is cause due to reckless driving and poor road conditions. The following measures may be adopted to mitigate road accidents: -

- Strict implementation of motor vehicle Act (by Police).
- Installation of traffic sign boards (by Police/DDMA/Highways).
- Carry of First Aid Box in every vehicle must be made mandatory (by Police/DTO (transport)).



- Insurance of all vehicles must be updated (by Police).
- Awareness about traffic rules should be imparted to all drivers and commuters through IEC (by police).

## **4.2 District Disaster Management Authority**

The District Disaster Management Authority will be headed by the DC and there will be 7 (seven) members for the implementation of the plan. The District Disaster Management Authority will identify the high-risk areas and vulnerable groups of population in the district. It will bring together the collective strength and resources of the government and NGOs in addressing all the needs of disaster prevention, preparedness, response and mitigation. The Authority will ensure the participation and accountability of all the departments in dealing with disasters.

### **4.2.1 Training of Functionaries**

The district administration should arrange periodical training programmes for all concerned departments. The programmes may be organized at district headquarters or at Block Headquarters and select officials may be sent training at state/ national training centers. These trained officials should be entrusted to train other lower level officials and panchayat representatives. Training camps may be organized at district level in which experts may be invited from reputed institutes.

### **4.3 Simulation exercises/ Mock Drill**

Periodic simulation exercises may be carried out to test the preparedness of all concerned role players. Drills may be carried out at various sites ie Hospital, Offices, Schools, Markets etc. The shortcomings and weaknesses observed during this must be identified and eradicated with proper and timely action.

### **4.4 Plan Evaluation**

The purpose of evaluation of DDMP is to determine:

- The adequacy of resources
- Coordination between various agencies
- Community participation
- Partnership with NGOs

The ease of understanding and using the plan will also be important consideration. The plan will be updated when shortcomings are observed in: -

- Organizational structures
- Available technologies
- Response mechanism following reports on drills or exercises

### **4.5 Dissemination of DDMP**

The responsibility for dissemination of the plan is vested with District Control Room under DC's supervision. In order for the DDMP to be effective it must be disseminated at two levels:

- To the district authorities, government departments, NGOs and other agencies and institutions within the district.
- To general public.



#### 4.6 Plan Update

The DDMP is a “**Reference Handbook**” and the Deputy Commissioner will ensure updating it every year by April, taking into consideration: -

- The resource requirements
- Updates on human resources
- Technology to be used
- Coordination issues

The soft copy of the DDMP will be with the District Control Room, which will ease the process of updating the DDMP regularly. All the line departments at the district level should have a latest copy of the DDMP with them. A training programme on different disaster preparedness measures should be organized by the member convener of the District Disaster Management Authority during the month of April/May every year.



## CHAPTER – V

### RESPONSE PLAN

Response measures are those which are taken instantly, prior to, and following, 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 disaster. Response process begins as soon as it becomes apparent that a disastrous event is imminent and lasts until the disaster is declared to be over.

Since response is conducted during periods of high stress in a highly time-constrained environment and with limited information and resources (in majority of the cases), it is by far, the most complex of four functions of disaster management.

**Approach:** The approach is to ensure that those agencies or Dept which are responsible for providing emergency response service will adopt systematic, planned and coordinated approach to carry out the task in every effective way.

**Resource Support:** The three tier framework: Circle, District and state. Where an agency or Dept requires resources beyond its own capacity to complete the task, it will seek assistance from higher level. If capacity to cope disaster is beyond local level, via CO/EAC to DC. At district level if it cannot be met it will further request to the State Level (SEC). If request cannot be satisfied from resource within the state, SEC will seek central or external assistance.

The District Administration and Department of Disaster Management is the Nodal Department for controlling, monitoring and directing measures for organizing rescue, relief and rehabilitation. All other concerned line departments should extend full cooperation in all matters pertaining to the response management of the disaster whenever it occurs. DEOC, police control and other control rooms as well should be activated with full strength.

#### 5.1 Response Activities:

- a. **WARNING:** Disasters which can be predicted (like flood, drought, cyclone epidemics etc.) can be forewarned through proper warning mechanism. Advanced technology like remote sensing, GIS etc have made prediction about imminent disasters specially weather more precise and reliable. Warning given should be clear and at the earliest in vulnerable pockets, about what to do before any impending disasters.

On the receipt of warning or alert from any agency which is competent to issue a warning, or on the basis of reports from Collector of the occurrence of a disaster, the response structure will be put into operation the Deputy Commissioner will assume the role of the Chief of Operations during the emergency situation.

The details of agencies competent enough for issuing warning or alert pertaining to various types of disasters are given below;

| Disaster                        | Agencies                                  |
|---------------------------------|---|
| Earthquakes                     | IMD, ISR                                  |
| Floods                          | IMD                                       |
| Cyclones                        | IMD                                       |
| Drought                         | IMD, Agriculture Dept. , Irrigation Dept. |
| Epidemics                       | Health & Family Welfare                   |
| Industrial & Chemical Accidents | Industry, Labour                          |
| Fire                            | Fire & Safety                             |



This system of warning may be given through alarms like Siren, radio, TV cable TV and loudspeaker. On receipt of the warning all ESF will be systematically activated for response activities at the earliest.

- a. **EVACUATION:** Emergency evacuation is the immediate and urgent movement of people away from the threat or actual occurrence of a [hazard](#).

***Legal And Operational Consideration:*** The decision or order to evacuate rest on District Magistrate based on the report received from ground level. Once the decision is made the admin officer with police will be responsible for carrying out the evacuation process.

***Process:*** Evacuated people will be taken to safe shelter places or emergency relief shelter as per DM plan or the place identified already.

Operating Procedure for Evacuation:

- Safe shelters should be identified
- Alternate routes to be planned in advance
- Evacuation to be carried with the assistance of Police, Fire Brigade, Local community leaders for security, law & order.
- Care should be taken to evacuate the family as a unit, consideration should be there while evacuating seriously injured and sick, children, women, physically challenged, old and others.

## 5.2 Emergency Operation Centre

Emergency Operation Center (EOC) is a physical location and normally includes the space, facilities and protection necessary for communication, collaboration, coordination and emergency information management.

The EOC will be the hub of activity in a disaster situation. This is however, not to underestimate its normal time activities. The EOC, the key organizational structure, is flexible to expand when demand increases, and contracts when the situation comes to normal.

### Activation of EOC

The EOC is a nodal point for the overall coordination and control of relief work.

### The primary function of an EOC

- Receive, monitor, and assess disaster information.
- Keep track of available resources.
- Monitor, assess, and track response units and resource requests.
- Manage resource deployment for optimal usage.
- Make policy decisions and proclaim local emergencies as needed.
- Coordinate operations of all responding units, including law enforcement, fire, medical, logistics etc.
- Augment comprehensive emergency communication from EOC to any field operation when needed or appropriate.
- Maintain EOC security and access control.



- Provide recovery assistance in response to the situations and available resources
- Keep senior, subordinate and tenant officials informed.
- Keep local jurisdictions (Village/town/City, circle & District) informed.
- Operate a message center to log and post all key disaster information.
- Develop and disseminate public information warnings and instructions.
- Provide information to the news media.
- Manage donation / aids.
- Supply of information to the state government.

### **Command & Control of EOCs**

The EOC, its system, and procedures are designed in such a way that information can be promptly assessed and relayed to concerned parties. Immediate dissemination of information contributes to quick response and effective decision-making during emergency. Being the main coordination and control point for all disaster specific efforts, the EOC is the place of decision-making, under a unified command.

The EOC in normal circumstances will work under the supervision of Deputy Commissioner. It is the nerve centre to support, co-ordinate and monitor the disaster management activities. In a disaster situation, the EOC will come under the direct control of DC or any other person designated by the Administrator as Chief of Operations.

### **Facilities with EOC**

Presently, the Emergency Operations Centre is equipped with computer related. In future, EOC would include a well-designed control room with workstation, wire-less communication, hotlines and intercoms etc. Following other facilities will be made available within the EOC:

1. A databank of resources, action plans, and state and district disaster Management plans, Community preparedness plans would be maintained at EOC.
2. Maps indicating vulnerable areas, identified shelters, communication link system with state government and inter and intra district departments would be strengthened.
3. Inventory of manpower resources with address, telephone numbers of key Contact persons have to be maintained.
4. EOC will have provision of desk arrangements in advance.
5. Frequently required important phone numbers would be displayed on the walls so that they can be referred. Other phones and addresses would be kept under an easy retrieval and cross-referring system.
6. Reconstruction/ Retrofitting of building will be done so that it can remain operational during disaster also.
7. EOC will be made operational for 24 hours with the help of Police, Fire Department.

### **Communication Room (Main Message Room)**

The police wireless system should be in contact with EOC. In addition to that following facilities would be available in the communication room:

- Telephones, fax (Already provided) and intercoms units for contact within the Commissioner.





- Civil wireless network (up to *Circle* level-suggested)
- Two computer Set with internet and printer facility and photocopying machine (in Placed)
- Help lines numbers will be setup for emergency related queries.(Activated).

### Transport Facility

A Bolero jeep with wireless communication may be assigned to the EOC for normal times. Additional vehicles may be requisitioned during the emergency.

### EOC Staffing/Manning EOC

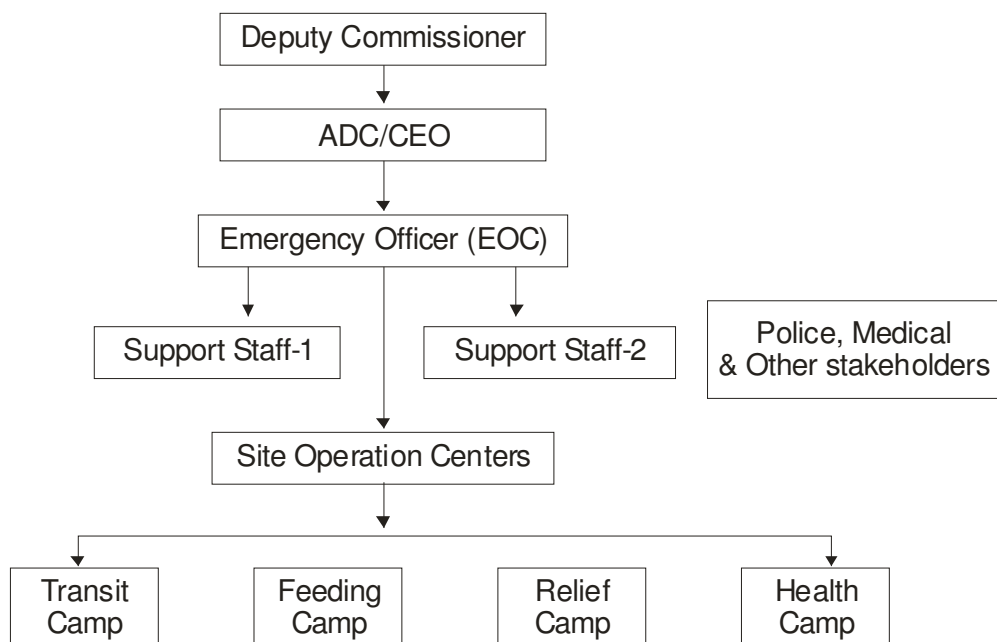
Manning of EOC is required for making EOC operational during and post disaster situation. In Capital there would be a need of keeping adequate staff. There is a need of regular staff, staff-on requirement and staff-on disaster duty. Regular staff is required to man communication room on 24 hours. Staff on call can be acquired immediately on requirement. Two officers can be appointed during emergency. Staff on disaster duty can be appointed by Deputy Commissioner.

### Assembly in Control Room:

Following staffs and officers shall assemble in the control room on getting any information from any source about the emergency situation. Apart from these any officer or staffs who get the information from any other sources will reach/inform the control room immediately for further onward actions.All members of DDMA/Stakeholders and staffs of the Emergency section, and other staffs as desired by the DC.

The Control Room will act as the nerve center office for the district to tackle the emergency situations and the staffs will coordinate with the line departments for timely response in Disaster Preparedness and Management at the District level.

### Co-ordination structure of EOC





## CHAPTER –VI EMERGENCY RESPONSE STRUCTURE

| Sl.No | Officers            | Responsibilities   |
|-------|---------------------|--|
| 1.    | Deputy Commissioner | 1. Emergency Meeting<br>2. Overall disaster management<br>3. Fixation of Responsibilities to different official<br>4. Instruction to block/Circle level Officials.   |
| 2.    | SP                  | 1. Interaction with DC and other official regarding situations.<br>2. Placement of Forces for relief operation.<br>3. Maintains of Law and Order.  |
| 3.    | DMO                 | 1. Stock and storage of medicine at different points as well as in sub points.<br>2. Charge distribution and deployment of different staffs for speedier health services<br>3. Temporary Distribution points as well as setting up of delivery mechanism.<br>4. Vehicle deployment and establish of mobile Vans/ Ambulances. |
| 4.    | Emergency Officer   | 1. Control Room and allied functions.<br>2. Assist the DC.<br>3. Collection of statistics and compilation of reports and returns.  |
| 5.    | DF&CSO              | 1. Collection & diversion of food and other materials for affected area.<br>2. Stock positions at different locations.   |
| 6.    | SP (Fire)           | Deployment of Fire Brigade in case of Fire Accident  |
| 7.    | DTO/MVI             | 1. Requisition of vehicle<br>2. Allocation of duty to vehicle and issue POL  |
| 8.    | DIPRO               | 1. Information and Communication facilities.<br>2. Warning dissemination.<br>3. Setting of temporary installations for Communication.  |
| 9.    | DD ICDS             | 1. Allocation of duty to area to voluntary Organization after consultation with Collector.<br>2. Organizing Relief Materials for Resource Tracking.  |
| 10.   | Technical Dept.     | Concerns dept in their Respective areas  |

### Desk arrangement

In case of emergency Deputy Commissioner and other team members would be present round the clock in the office in EOC. Senior officers should be appointed in the capacity of desk officers for maintaining coordination for Emergency Support functions:



## 6.1. CO-ORDINATIONAL ROLES OF DISASTER MANAGEMENT KEY OFFICIALS:

### ***Actions by the Deputy Commissioner:***

The Deputy Commissioner will be Response Coordinator at the District level. He will be responsible to the SEC for the effective coordination of resources or services within the district. The roles and responsibilities and duties of Deputy Commissioners are:

- a. Operationalise the EOC
- b. Undertake assessment of situation
- c. Co-ordinate with ESF dept. Agencies for provisional of Emergency relief and supply.
- d. Alert the public about existing and potential dangers arising from emergency.
- e. Analyze the need for evacuation
- f. Review/dispatch situation reports to the SEC.

### ***In the event of imminent Disaster the following actions are to be taken are:***

- a) Set up information desk at critical locations
- b) All concerns officers of Disaster Management ,PHE, Agriculture, Veterinary, Police, Power, Telecom, PWD, Food& Civil Supply, Transport to be called to fulfilled tier respective ESF Functions.
- c) Concerned Departments will be directed to get ready with emergency tools, kits and necessary personnel's.
- d) It will be ensured that all officers remain in headquarters until the situation gets back to normal.
- e) Arrangements for generators, radios, batteries, extra vehicles, satellite phones.
- f) Assessment of relief materials requires will be made.
- g) Stock piling of essential commodities.

## 6.2 EMERGENCY SUPPORT FUNCTION (ESFs) IN MANAGING RESPONSE TO DISASTER

The ESFs, comprising of various supporting agencies/depts will manage and coordinate specific kinds of assistance which are common to all types of disasters. For each ESF there will be a lead department or agency responsible for the delivery of goods and services to the disaster area. These lead agencies could be supported by other departments/agencies. The proposed agencies performing the ESFs will identify requirements, mobilize and deploy resources to the affected areas and assist the district in their response action under ESFs.

The ESFs will come into operation on either receipt of warning of an expected calamity or in the event of sudden emergency. The responsibilities and details of the primary and support agencies for each type of ESFs are given below:

**TABLE-A**

|                    |   |
|--------------------|---|
| 1. Early Warning   | <ul style="list-style-type: none"><li>▪ Setting up Control Room/Emergency Operation Centre round the clock.</li><li>▪ Arrangement of vehicle and sound system for dissemination of information.</li><li>▪ Proper record keeping and transmission of information to all level.</li><li>▪ Ensure functioning of warning system and Communication system.</li><li>▪ Create awareness with the target groups.</li></ul>   |
| 2. Evacuation      | <ul style="list-style-type: none"><li>▪ To warn people about impending danger &amp; to leave for safe places. Mobilize people to go to identified/safe shelters.</li><li>▪ Organise training task force members.</li><li>▪ To co-ordinate with Civil Defence, NGOs and Paramilitary and Police for support.</li><li>▪ Arrangement &amp; deployment of evacuation equipments.</li><li>▪ Evacuate people of marooned areas and administer emergent relief.</li><li>▪ Deployment of Police fir maintaining law &amp; order and peace during evacuation.</li></ul>                |
| 3. Search & Rescue | <ul style="list-style-type: none"><li>▪ Deployment of Police/Fire Brigade for Search and Rescue.</li><li>▪ Co-ordination with NCC/NSS/and other Para Military force for Search and Rescue.</li><li>▪ Ensure availability of the rescue materials</li><li>▪ Prepare inventory of shelter places and map indicating the shelter centers.</li><li>▪ Provide rescue kits at risk areas.</li></ul>   |
| 4. Medical Aid     | <ul style="list-style-type: none"><li>▪ Deployment of Medical staff.</li><li>▪ Stock piling of life saving drugs/ORS packets/Halogen tablets.</li><li>▪ Protocol on Medical aid</li><li>▪ Treatment of the injured persons and transportation of injured persons to the hospitals.</li><li>▪ Awareness message to stop the outbreaks of epidemics after disaster.</li><li>▪ Disease surveillance and transmission of reports to the higher authorities on a daily basis.</li><li>▪ Vaccination</li><li>▪ Constitute mobile team and visit the worst affected areas.</li></ul> |



|                               |   |
|-------------------------------|---|
|                               | <ul style="list-style-type: none"><li>▪ Disinfections of drinking water resources.</li><li>▪ Identification of site operation camps.</li><li>▪ To obtain/transmit information on natural calamities to EOC.</li><li>▪ Arrangement of fodder/medicines for the animal's vaccination.</li><li>▪ Carcass disposal</li></ul>  |
| 5-Shelter Management          | <ul style="list-style-type: none"><li>▪ Identification of shelter/temporary shelter at appropriate places and arrangements of tents.</li><li>▪ Arrangement of food/drinking water/medicine in the shelter for animals.</li><li>▪ Providing lightning facilities at shelter places.</li><li>▪ Arrangement of transportation.</li><li>▪ Arrangement of safe shelter for animals.</li><li>▪ Temporary supply of safe drinking water.</li></ul> |
| 6-Water Supply and sanitation | <ul style="list-style-type: none"><li>▪ Ensuring supply of safe drinking water arrangement for supply of safe drinking water.</li><li>▪ Disinfectant for purification of water.</li><li>▪ Arrangement of mobile team and assigning specific operational area for supply of water.</li></ul>   |
| 7-Infrastructure Restoration  | <ul style="list-style-type: none"><li>▪ Formation of Task Force with specific equipments.</li><li>▪ Immediate cleaning of debris along the road to assist relief works.</li><li>▪ Towing vehicles, earth moving equipments, cranes, construct temporary roads.</li><li>▪ Damage assessment &amp; monitoring.</li></ul>  |



**TABLE-B**

| <b>ESF. No.</b> | <b>Service Function</b>       | <b>Primary Agencies</b>                | <b>Support Agencies</b>  | <b>Nodal Agencies</b> |
|-----------------|-------------------------------|--|--|-----------------------|
| 1.              | Communication                 | Police<br>Dist. Admin.                 | S.P signals<br>Doordarshan<br>Radio<br>BSNL<br>Private Mobile Operator | DDMA<br>DEC           |
| 2.              | Public Health                 | PHe.D<br>Dist. Admin                   | Health Dept.<br>Transport<br>NGOs                                      | DDMA<br>DEC           |
| 3.              | Transport                     | Transport Dept.<br>TPT. Branch         | Privates NGOs  | DDMA<br>DEC           |
| 4.              | Power                         | Dept. of Power                         | Army<br>NDRF<br>SDRF   | DDMA<br>DEC           |
| 5.              | Search & Rescue, Evacuation   | Police<br>Dist. Admin                  | Fire Brigade<br>SDRF<br>NDRF   | DDMA<br>DEC           |
| 6.              | Restoration of Infrastructure | PWD                                    | All work Dept.   | DDMA<br>DEC           |
| 7.              | Relief Supplies and Food      | Food & Civil supplies<br>Dist .Admin   | Dept. Transport<br>ICDS  | DDMA<br>DEC           |
| 8.              | Water supply and Sanitation   | PHED<br>Dist.Admin                     | WRD<br>UD  | DDMA<br>DEC           |
| 9.              | Animal Health                 | Animal Husbandry & Vety.<br>Dist.Admin | NGOs   | DDMA<br>DEC           |
| 10.             | Shelter                       | PWD<br>Dist.<br>Administration         | Urban Dev & Housing  | DDMA<br>DEC           |
| 11.             | Media                         | IPR<br>Dist. Admin                     | DM Dpt.  | DDMA<br>DEC           |
| 12.             | Law & Order                   | Police                                 | General admin  | DDMA<br>DEC           |
| 13.             | Damage Assessment             | DM Deptt.                              | All Deptt.   | DDMA<br>DEC           |

### 6.3. Role and Responsibilities

- Warning and Mobilization of Resources:** - The Deputy Commissioner is the Chairman to exercise emergency power in issuing directives to all the departments and outpost administrative centers to provide emergency response services. He should immediately mobilize emergency personnel and resources, whenever there is a threat of natural or man-made disaster. If required he will alert SDRF, NDRF & Army & Para-military forces for assistance and help.



The district administration must issue warning and take protective action simultaneously. It involves making provisions to protect the public from harm. Warning must be issued through the government employees at the local level, public announcements and all the channels of media such as newspapers, radio and television.

It should actively coordinate all the resources available in the district, through the District Control Room. The District Control Room can serve as an effective communications center, information clearing house, a channel of all directions and instructions. The DDMO is the nodal officer and in-charge of the District Control Room. During disaster all the Outpost Administrative Offices will automatically function as Control Room for dissemination of information from district headquarter to outpost center and vice versa. The concerned Administrative Officer will liaise with all line departments and the villagers for the smooth operation of relief and rescue during and after disaster.

2. **Search and Rescue/ Maintenance of Law & order:** The Search and Rescue Team will be led by the Superintendent of Police. If the Police do not have the adequate strength for dealing with the situation, the help other stakeholders will be requested. Dissemination of early warnings through wireless network will be their responsibility. The traffic police should ensure that there is no traffic jam. They will identify roads, which are to be made one-way, or to be blocked, or where alternate routes are to be provided and will divert traffic whenever necessary. They will provide security in relief camps and temporary shelters and identify areas that need to be cordoned off.
3. **Road Communications:** The PWD and Trans Arunachal Highway construction companies will initiate early clearance of road blockage by mobilizing local resource and man power. Also removal of debris, demolition of unsafe structures, construction of temporary shelter, temporary bridge including temporary helipad for evacuation of injured.
4. **Drinking Water:** They will initiate action for restoration of clean drinking water supply during and after occurrence of any disaster and distribute chlorine tablets and bleaching powders for purification of drinking water. They will also ensure deployment of departmental vehicles and laborers.
5. **Arrangement of Essential commodities and Air Evacuation:** Food/ Ration and essential commodities will be provided from the nearest FPS/ CPO centers and cooperative Stores. The DF&CSO and outpost Administrative Officers concern will ensure maintaining of minimum stock of rice at FPS, CPOs and Cooperative outlets located in the district for use during exigencies are being insisted. The Local shopkeepers are also being encouraged to keep adequate stock of essential commodities. DF&CSO will also liaise with the DCA Naharlagun for air lifting of the marooned people.
6. **Mass Media and Information Dissemination:** The most critical factor for the success of disaster management plan is sustained information campaign. So, an information center will be setup in the District Control Room through which all the information can be made available. It should be manned round the clock to provide information to the people on a continuous basis.

Mass communication in time of disaster will be entrusted to DIPRO and DIO they will provide information to the public about precautionary measures during disaster, relief camps, cattle camps, health centers, the important phone numbers, about roads and bridges which are functional for the movement of traffic and relief supplies and about gratuitous relief, and other recovery assistance through newspapers, TV Transmission Centre, AIR Station, and local cable TV operators. They will make public announcements where people have to be warned immediately.



7. **Volunteers:** The NCC / NSS volunteers/ any other organizations will assist in establishment of relief/shelter camp during disaster. In total, all the Authority Members, Public leaders, NGOs and Senior citizen of the area should give their cooperation to the local administration in mitigating all kind of disaster with man power, materials and technical knowledge. Foresters with their equipments will ensure early warning system in the respective beats through walkie-talkies if available. During fire hazards forester can make use of fire fighting equipments to contain wild and man-made fires. The DDSE and DFO will ensure the participation of volunteers during any disaster.
8. **Medical Facilities:** First Aid and life saving drugs and other medicines shall be provided through nearest CHCs and Health Sub-Centers. The DMO will make sure that minimum stocks of life saving drugs be maintained in all the existing health care centers. Their assigned duty is to care for the health aspect during and after the occurrence of disaster. It includes First Aid, treatment of casualties and readiness of ambulance for evacuation of serious patient. Equip all the mobile health units with necessary medicines and first aid kit and press into operation. Assign medical personnel with the first aid kit to assist the search and rescue teams if necessary. They shall also inform all Doctors & Para Medical staff of all CHCs, PHCs, SCs of the district. The Army and CRPF authorities should be liaise to provide emergency care if required.
9. **Veterinary Care:** DVO will ensure setting up of cattle camp providing medicine etc to the affected animals during or after occurrence of any kind of natural disaster or epidemic. The VO and VFA posted in different locations in the district should be instructed to setup veterinary care/cattle camp at their respective place of posting.
10. **Establishment of Relief Camp:** DDSE and DD (ICDS) is the overall in charge of establishment of relief camps in the notified safe shelter places. They will liaise with all concern departments for essential services in the camp viz. medicine, water, food electricity, cloths etc. Relief camps already identified will be set up with the following facilities: -
  - The First Aid Team/ Mobile Medical Service Team from the nearest Health Centers will be rushed to the Relief camps: - Action by DMO. He will also arrange adequate supply of essential medicines.
  - Food, Clothes and other essential commodities will be supplied to the relief camps: - Action by DSO (Supply) and EAC (Relief).
  - Drinking water will be provided at the camps by the EE (PHE & WS).
  - Electricity provisions will be made available at the camps by the concerned department under the command of EE (Power)of respective division.
  - Record of relief items received and numbers of marooned people evacuated to the camps, issue of rations items to affected people, welfare of the victims etc, will be managed by the in charge of relief camp ie, DDSE and DD (ICDS) who are supposed to coordinate and supervise the whole operation. He will also arrange immediate relief to the affected persons and coordinate help from the NGOs, voluntary groups etc.
11. **Maintenance of Cleanliness:** Cleanliness is one of the major requirements after occurrence of disaster to prevent spread of epidemic and other health hazards. The DD (UD& housing), should kept their manpower / inventory in readiness. District administration will also help in cleaning by organizing mass social service.



**6.4: Rapid Response Team from Health Department**

| Sl.No                                      | Name with Designation          | Name/location of the Center  | Contact. No |
|--|--------------------------------|------------------------------|-------------|
| <b>Team under Dr. J .Ado DRCHO</b>         |                                | Yupia                        | 09612751754 |
| 1.   | Dr.Tilling Gambo & team MO I/C | PHC-Chiputa                  | 9436094653  |
| 2.   | Dr.G.Tali &team MO I/C         | PTC Health Center-Banderdewa | 9089077172  |
| 3.   | Dr.N.Nalo & team MO I/C        | UHC-Karsingsa                | 9436230987  |
| <b>Team under Dr. (Mrs)R.R Ronya (DSO)</b> |                                | Yupia                        | 8256942812  |
| 1.   | Dr.S.Taben & team i/c MO       | PHC-Chimpu                   | 9856028479  |
| 2.   | Dr.Kabak Tamar & Team MO I/C   | CHC- Itafort                 | 9862237715  |

**6.5 IMPORTANT CONTACT NUMBERS:****EMERGENCY PHONE NUMBERS:****R.K M Hospital, Itanagar: 9436639142****NIBA HOSPITAL,NLG: 9402073264/8131820481****HEEMA HOSPITAL:0360-2291094****TRIMHS,Naharlagun :0360-2246677 (Casualty wing)****NDMA CONTROL ROOM CONTACT NO:****011-26701700****9868891801****011-1078****9868101885****011- 26701729****NDRF CONTROL ROOM DOIMUKH CONTACT NO :****0360-2277104****9485235464****9485236141****E Company (Itanagar)****9485235472****D Company (Hollongi)****9304147699****SEOC:****8257891310****8974987127****9436074396****SDRF:****94360223301 (Nodal Officer)****8119971895(Link Officer)****TOLL FREE:****1077****EOC:****8787336331/9436415828**



## 6.6 Important Websites

| Sr.No. | Department | Website                 |
|--------|------------|-------------------------|
| 1.     | NDMA       | www.ndma.gov.in         |
| 2.     | APDMA      | www.arun01ddm@gmail.com |
| 3.     | NIDM       | www.nidm.net            |
| 4.     | IDRN       | http://idrn.gov.in      |
| 5.     | IMD        | www.imd.gov.in          |

## 6.7. DETAILS OF ADMINISTRATIVE OFFICERS OF CAPITAL COMPLEX, ITANAGAR

| SI No.                             | Name of Officer | Designation               | Phone               |           | Fax     | Mobile No.               |
|------------------------------------|-----------------|---------------------------|---------------------|-----------|---------|--------------------------|
|                                    |                 |                           | Office              | Residence |         |                          |
| 1.                                 | Komkar Dulom    | DC, Capital               | 2292199<br>2212164, | 2290392   |         | 9436227520               |
| 2.                                 | Tumme Amo       | SP, Capital               | 2211283             | -         | 2214398 | 9436040006<br>9774616959 |
| <b>DC Headquarter</b>              |                 |                           |                     |           |         |                          |
| 3.                                 | Talom Dupak     | ADC (HQ)                  |                     |           |         | 9402657986               |
| 4.                                 | Sangita Yirang  | SDO(HQ)                   |                     |           |         | 9436229286               |
| 5.                                 | Lod Takar       | EAC(HQ)                   |                     |           |         | 9436250517               |
| 6.                                 | Dakli Gara      | EAC (HQ)                  |                     |           |         | 7640851219               |
| 7.                                 | Datum Gadi      | EAC (HQ)                  |                     |           |         | 8794148892               |
| 8.                                 | Aying Perme     | EAC (HQ)                  |                     |           | -       | 9436055398               |
| 9.                                 | Moyir Kato      | CO (Hq)                   |                     |           | -       | 9436637676               |
| <b>EAC Headquarter, Itanagar</b>   |                 |                           |                     |           |         |                          |
| 10.                                | Neelam Teji     | EAC, Itanagar             |                     |           | -       | 9436040312               |
| <b>EAC Headquarter, Naharlagun</b> |                 |                           |                     |           |         |                          |
| 11.                                | Likha Radh      | EAC, Naharlagun           | 2214926             | -         | -       | 8414861239               |
| 12.                                | Laxmi Dodum     | CO Nlg                    |                     |           |         | 9436055852               |
| <b>CO, Banderdewa</b>              |                 |                           |                     |           |         |                          |
| 13.                                | Ritu Tawe       |                           |                     |           |         | 7005826115               |
| <b>Other officers and staff</b>    |                 |                           |                     |           |         |                          |
| 14.                                | Kopsi Panor     | F&AO                      |                     |           |         | 9436050521               |
| 15.                                | C. Wangsu       | DTO (MV)                  |                     | -         | -       | 8731836867               |
| 16.                                | Amit Bengia     | DFCSO                     | -                   | -         | -       | 9436055081               |
| 17.                                | Tayir Tache     | DDUD, Capital             | -                   | -         | -       | 9436041362               |
| 18.                                | Mallo Yam Gollo | DDSE, Capital             |                     |           |         | 9436050645               |
| 19.                                | Dr.Mandip Perme | DMO,Capital               |                     |           |         | 9436248757               |
| 20.                                | O. B. Meithi    | DSO (Sports)              | -                   | -         | -       | 9436020767               |
| 21.                                | E.M Riram       | DSO (Stat)                | -                   | -         | -       | 9436068729               |
| 22.                                | Moromi Sonam    | DDMO                      |                     |           |         | 9436415828               |
| 23.                                | Tem Kaya        | DACO                      |                     |           |         | 9402614435               |
| 24.                                | K. Sharma       | JDI                       | -                   | -         | -       | 9436228194               |
| 25.                                | Tabom Tamut     | Asst. Town Planner        |                     |           |         | 9436272000               |
| 26.                                | Keter Bagra     | DIPRO                     |                     |           |         | 9436630052               |
| 27.                                | Joram Dopum     | Dy.Chief Wild Life Warden |                     |           |         | 9436040147               |



|     |                  |                           |         |   |   |                          |
|-----|------------------|---------------------------|---------|---|---|--------------------------|
| 28. | T. Topu          | DFO (SF)                  | -       | - | - | 9402275611               |
| 29. | Dare Tatung      | RFO, IG Park              | -       | - | - | 9436609999               |
| 30. | Bamin Nime       | Protocol Officer          | -       | - | - | 9436055525               |
| 31. | Nyangam Bagra    | Project Officer (APEDA)   |         |   |   | 9436259356               |
| 32. | Shri. T. Ekke    | AMDO, Capital             |         |   |   | 9436896902               |
| 33. | Soni Taniya      | MVI, Capital              |         | - | - | 9402251884               |
| 34. | Dolang Akom      | Member Secy (APMC)        |         | - | - | 9436258788               |
| 35. | Dalin Tana       | TIO                       |         |   |   | 9774444099               |
| 36. | Er. Joram Lali   | EE (E), Capital Division  |         |   |   | 9862110774               |
| 37. | Er. T.Taying     | EE (E), Naharlagun Div    |         |   |   | 9402690337               |
| 38. | Er.Tarh Gungkap  | EE, PWD, CD B-Itanagar    |         |   |   | 9436042934               |
| 39. | Er. Tana Nikam   | EE, PWD, CD-A Itanagar    |         |   |   | 9436042072               |
| 40. | Er. Techi Nabo   | EE, PWD, Naharlagun       |         |   |   | 9402780966               |
| 41. | Er. Nani Tath    | EE, Highways              |         |   |   | 7896748056               |
| 42. | Er. Tadar Mangku | EE, PHED, Itanagar        |         |   |   | 9436042464               |
| 43. | Er. Tadar Tarang | EE, IMC                   |         |   |   | 8794602667               |
| 44. | Er.Nabam Sony    | AE,IMC                    |         |   |   | 8132801449               |
| 45. | Er. B.Sanjay     | AE,IMC                    |         |   |   | 9436897980               |
| 46. | Er. Techi Yami   | AE,IMC                    |         |   |   | 9436680403               |
| 47. | Toko Pakia       | Supdt. (Tax) Zone-II, Ita |         |   |   | 9436250791               |
| 48. | Nabam Nagung     | Supdt. (Tax), Zone-I, Nlg |         |   |   | 9436040437               |
| 49. | T. Camdir        | Supdt (Tax), B-dewa       |         |   |   | 9436076543               |
| 50. | K. Sikom         | SDPO, Itanagar            |         |   |   | 9436208679               |
| 51. | Rike Kamsi       | SDPO, Nlg                 |         |   |   | 9436208679               |
| 52. | G. Tassa         | <b>OC, PS, B-Dewa</b>     | 2266236 |   |   | 8258887908               |
| 53. | Minli Geyi       | OC, PS, Nirjuli           | 2257220 |   |   | 8132897717               |
| 54. | K. Yangfo        | OC, PS, Nlg               | 2244329 |   |   | 8974127542               |
| 55. | Phassang Simi    | OC, PS, Itanagar          | 2212233 |   |   | 9774795818               |
| 56. | Biki Tabi,       | Head Assistant            |         |   |   | 9436675552               |
| 57. | Tajing Tapak     | PA to DC                  |         |   |   | 9402741669<br>8132897561 |
| 58. | Binod Saikia     | I/c Sheristedar           |         |   |   | 9612702932               |
| 59. | Rubu Rajen       | UDC (Naz)                 |         |   |   | 8729844795               |



| <b>Contact Nos. of DC's Personal Staff</b> |                      |                     |  |  |            |
|--|----------------------|---------------------|--|--|------------|
| 60.  | Manoj M              | Confidential Asstt. |  |  | 9436236565 |
| 61.  | Shri Girin Muchahary | Skilled Contingency |  |  | 9856915216 |

**6.8. Important E-mail id:**

| Sl.No. | Department                         | Email                         |
|--------|------------------------------------|-------------------------------|
| 1.     | District Administration            | dcitanagar@gmail.com          |
| 2.     | Disaster management cell           | dmicc@gmail.com               |
| 3.     | 12 <sup>th</sup> Bn NDRF, Doimukh  | bn12.ndrf@gov.in              |
| 4.     | Department of Disaster Management. | arun01ddm@gmail.com           |
| 5.     | SDRF, Chimpu                       | Co1staapbnchp@rediffmail.com  |
| 6.     | 138 <sup>th</sup> CRPF, Senki view | Commandant138bncrpf@gmail.com |
| 7.     | Capital Electrical Division        | ee-ced@hotmail.com            |
| 8.     | Fire &Emergency Service            | dirfs@arunpol.nic.in          |
| 9.     | Highway Division Naharlagun        | highwaydivisionnlg@gmail.com  |
| 10.    | 31 <sup>st</sup> ITBP, Yupia       | ltcell131stbn@itbp.gov.in     |
| 11.    | Capital police, Itanagar           | spitanagar@gmail.com          |
| 12.    | PWD CD-B                           | eecdb@yahoo.com               |

**6.9. EMERGENCY SUPPORT FUNCTION (ESF):**

**A. Name of the Department: PUBLIC WORK DEPARTMENT CD-A**

| Sl. No. | Name/Designation                 | Official Address  | Contact no.   |
|---------|----------------------------------|---|---|
| 1       | <b>Nodal Officer</b>             | Assistant Engineer<br>Capital Sub-DivisionNo.1/A<br>PWD, AP, Itanagar | Mobile: 9436655068                                    |
|         | Er. Tadu Taka                    |   |   |
| 2       | <b>Alternative Nodal Officer</b> | Assistant Engineer<br>Capital Sub-DivisionNo.1/A<br>PWD, AP, Itanagar | Mobile: 9436232172<br>Email Id:neelammama12@gmail.com |
|         | Er. Neelam Mama                  |   |   |

**i) Quick Response team (QRTs) at the HQ**

| <b>Sl. No.</b> | <b>Name / Designation</b> | <b>Official Address</b>  | <b>Contact No.</b> |
|----------------|---------------------------|--|--------------------|
| 1              | Er.Tumkum Nalo            | Assistant Engineer<br>Assembly Sub-DivisionNo.1/A<br>PWD,AP Itanagar | Mobile:9774271769  |
| 2              | Er.Gollo Tagar            | Assistant Engineer<br>Capital Sub-DivisionNo.1/A PWD,AP<br>Itanagar  | Mobile: 9436896178 |
| 3              | Er.Kago Sonia             | ASW,<br>Capital Sub-DivisionNo.1/A PWD,AP<br>Itanagar                | Mobile: 8837085235 |
| 4              | Er.Kipa Sara              | Junior Engineer<br>Assembly Sub-DivisionNo.1/A<br>PWD,AP Itanagar    | Mobile: 9436042346 |

**ii) Quick Response team (QRTs) at the Field**

| <b>Sl. No.</b> | <b>Name / Designation</b> | <b>Official Address</b>   | <b>Contact No.</b>                                       |
|----------------|---------------------------|---|--|
| 1              | Er. Tadu Taka             | Assistant Engineer<br>Capital Sub-DivisionNo.1/A<br>PWD,AP Itanagar | Mobile: 9436655068                                       |
| 2              | Er.Neelam Mama            | Assistant Engineer<br>Capital Sub-DivisionNo.1/A<br>PWD,AP Itanagar | Mobile: 9436232172<br>Email<br>Id:neelammama12@gmail.com |
| 3              | Er Kristana Tech          | JE 1/A  | Mobile:9402009968  |
| 4              | Er Joram Takar            | JE Assembly Sub-Division  | Mobile:9436041546  |
| 5              | Er Kipa Sara              | JE 3/A  | Mobile:9436898804  |
| 6              | Er Taba Annam             | JE 1/A  | Mobile:9402996240  |
| 7              | Er Kacha Yangfo           | JE.1/A  | Mobile:9436232172  |
| 8              | Er Risso Chatum           | JE 3/A  | Mobile:9436693823  |



**iii) The services or specialized skill that can be provided by the dept.  
Activities by the deptt.**

| Sl. No. | Pre-Disaster   | During Disaster   | Post Disaster   |
|---------|--|---|---|
| 1.      | Ensure personnel are aware and nominated to be available for emergency duties.   | Ensure the officers in charge are responsible for mobilizing staff and volunteers to clear the roads in these sections. | Undertaken clearing of ditches, grass cutting, burning or removal of debris and cutting of dangerous trees along the road side.   |
| 2.      | Make certain, the officers in charge is familiar with pre-disaster precautions or road clearing and defining safe evacuation routes where necessary. | Install adequate road signs to guide and assist the drivers.  | Keeps an up to date report of all damage and repairs.   |
| 3.      | Appoint Nodal Officers and ensure they meet the staff to review emergency Procedures in their jurisdictions.   | Mobilize community assistance for road clearing by contacting community based organizations.                            | Undertake co-instructions of temporary structures required for organizing relief work and construction of relief campus, feeding centers, medical facilities cattle campus. |
| 4.      | Inspect vehicles, fill fuel tanks and batteries as necessary   | Check evacuation routes and assist people, if they have to evacuate an area.  | Repair of all paved and unpaved road surfaces, potholes patching  |
| 5.      | Clean the area beneath bridges regularly for smooth flow of excess water.  | Give priority attention to the urgent repair works that need to be undertaken in disaster affected areas.               | -   |

**iv. Resource Inventory:  
MANPOWER**

| Sl.No. | Name                | Designation          | Branch     | Contact No. |
|--------|---------------------|----------------------|------------|-------------|
| 1.     | Sushil Kumar Sarkar | Mate                 | CSD No.3/A | 9615204548  |
| 2.     | Ribom Nyori         | Mate                 | -do-       | 9774826653  |
| 3.     | Taniya Tangam       | Mate                 | -do-       | 9774517172  |
| 4.     | Promod Gogoi        | Mate                 | -do-       | 8974988594  |
| 5.     | Taba Takam          | Mate                 | -do-       | 9615040868  |
| 6.     | Hamam Talam         | Mate                 | -do-       | 9774352331  |
| 7.     | Lazer Natung        | Driver               | -do-       | 9402468421  |
| 8.     | Md.Kazimuddin Ahmed | JCB Operator         | -do-       | 8014436224  |
| 9.     | K.P Dhakal          | Road Roller Operator | -do-       | 9862262533  |

**B. Name of Department: PUBLIC WORK DEPARTMENT CD-A****i) Detail of the Road and responsible person:**

| Sl. No. | Name of Road   | Sector                 | Name of incharge (Junior Engineer) | Contact No. |
|---------|--|------------------------|------------------------------------|-------------|
| 1       | Road from NH-415 near Tempo stand to RajBhawan via A- Sector   | B-Sector               | Shri KarlingTok                    | 9774907452  |
| 2       | Road from NH-415 to Raj Bhawan via B-Sector  | B-Sector               | -do-                               | -do-        |
| 3       | Road from Raj Bhawan 1 <sup>st</sup> Gate to P-Sector via Main Gate & Power House                                      | P-Sector               | -do-                               | -do-        |
| 4       | Road from NH-415 to RajBhawan Helipad via P-Sector   | -do-                   | -do-                               | -do-        |
| 5       | Road from P-Sector to Gandhi Market  | -do-                   | -do-                               | -do-        |
| 6       | Road from RajBhawan Helipad to Itafort   | -do-                   | -do-                               | -do-        |
| 7       | Road from NH-415 to C- Sector via BSNL Office and Gandhi Market  | C-Sector               | -do-                               | -do-        |
| 8       | Road from NH-415 to BhairovMandir via Police Station &Donyi Polo Hotel   | Police Station Road    | -do-                               | -do-        |
| 9       | Road from NH-415 BhairovMandir via PHE Water Tank & C-Sector   | C-Sector               | -do-                               | -do-        |
| 10      | C- Sector Internal Road  | C-Sector               | -do-                               | -do-        |
| 11      | Road from Raj Bhawan Gate to BirrupColony,Itanagar   | Birrup Colony Road     | -do-                               | -do-        |
| 12      | Road from NH-415 near Ganga Market to BhairovMandir via SP Office,Doordharsan office, Circuit House etc.               | SP Office &Doordharsan | Shri NabamTana                     | 9612435807  |
| 13      | Uppermost Ring Road  |                        | -do-                               | -do-        |
| 14      | Road from NH-415 near 6.00 km to IRBN complex via Second coming Prayer centre,Itanagar                                 | IRBN Complex           | -do-                               | -do-        |
| 15      | Road from NH- 415 to Ring road via D- Sector   | D-Sector               | Shri TechI Lug                     | 8729882733  |
| 16      | D-Sector Internal road   | -do-                   | -do-                               | -do-        |
| 17      | Road from NH-415 near Hotel PYBSS to D-Sector via RWD Colony   | -do-                   | -do-                               | -do-        |
| 18      | Road from NH-415 near Entry of Civil Sectt. To Director office of the Higher & Technical Office and its Interenal Road | ESS-Sector             | -do-                               | -do-        |



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|    |   |                          |                    |            |
|----|---|--------------------------|--------------------|------------|
| 19 | Road from NH-415 near Axis Bank to Director office of the Higher & Technical Office via APPCS Office.         | -do-                     | -do-               | -do-       |
| 20 | Road from NH-415 near State Library office to Director of Tourism Office                                      | Tourism Office           | Shri Tadar Taruh   | 8119025726 |
| 21 | Daying Ering Road   | Daying Ering Road        | -do-               | -do-       |
| 22 | Road from NH-415 to Police Colony via DC & Mining Office  | Police Colony            | -do-               | -do-       |
| 23 | Approach road to Cremation Ground, Chimpu   | Chimpu                   | -do-               | -do-       |
| 24 | Dokum Colony Road   | Dokum Colony             | Shri Tamchi Gagung | 9436272133 |
| 25 | Donyi Colony Road   | -do-                     | -do-               | -do-       |
| 26 | Lappang Hatty Colony Road   | Lappang Hatty Road       | -do-               | -do-       |
| 27 | Road from NH-415 near petrol pump to Police Colony & again NH-415 via Abu Gelam Memorial School, Chandranagar | Chandranagar             | -do-               | -do-       |
| 28 | Road from NH-415 to Sangrik Colony, Itanagar  | Sangrik Colony           | -do-               | -do-       |
| 29 | Road from NH-415 to Ajin Colony via Arunadaya Govt. School  | Ajin Colony              | Miss Nabam Adam    | 9436809836 |
| 30 | Internal Road under KGS at Vivek Vihar  | Vivek Vihar              | -do-               | -do-       |
| 31 | Ajin Colony internal road   | Ajin Colony              | -do-               | -do-       |
| 32 | Road from NH-415 to DNGC gate   | DNGC                     | Shri Tarh Toma     | 9402443526 |
| 33 | Upper Vivek Vihar Road from DNGC road   | -do-                     | -do-               | -do-       |
| 34 | Road to Police Colony from NH-415-DNGC gate road  | -do-                     | -do-               | -do-       |
| 35 | Road from NH-415 near RCC bridge to Police Colony, Chandranagar   | Police Colony            | -do-               | -do-       |
| 36 | Road from NH-415 near Tuesday Market to Statistic office, Gohpur  | Statistic office, Gohpur | Shri Homen Borah   | 8794406299 |
| 37 | Internal Road KV-2 and nearby road  | KV-2                     | -do-               | -do-       |
| 38 | Pappu Nallah to Ganga (12.00 Km)  | Pappu Nallah to Ganga    | Sunil Kumar Divedi | 9436042026 |
| 39 | D.P.S Tinali to Chimpu (3.00 Km)  | Chimpu                   | -do-               | -do-       |



**C. Name of the Department: WATER RESOURCE DEPARTMENT**

| Sl. No. | Name/Designation                              | Official Address                                   | Contact no.   |
|---------|---|--|---|
| 1       | <b>Nodal Officer</b><br>Er. Tako Kadung       | Assistant Engineer<br>Water Resource<br>Department | Mobile: 7085692029<br>9436268979                        |
| 2       | Alternative Nodal<br>Officer<br>Er.Pisa Tatum | Assistant Engineer<br>Water Resource<br>Department | Mobile: 9774301087<br>Email Id: pischan.tatum@gmail.com |

**i) Quick Response team (QRTs) at the HQ**

| Sl. No. | Name / Designation | Official Address   | Contact No.                      |
|---------|--------------------|--|----------------------------------|
| 1       | Er Chung Yangfo    | O/O Junior Engineer<br>Water Resource Department<br>Itanagar   | Mobile:8837218613                |
| 2       | Er Dado Magnam     | O/O Junior Engineer<br>Water Resource Department<br>Itanagar   | Mobile: 9436225567<br>9862283257 |
| 3       | Er Mary Gollo      | O/O Junior Engineer<br>Water Resource Department<br>Naharlagun | Mobile: 8257835741               |
| 4       | Er Tame Ekha       | O/O Junior Engineer<br>Water Resource Department<br>Naharlagun | Mobile: 8132874899               |

**ii) Quick Response team (QRTs) at the Field**

| Sl. No. | Name / Designation | Official Address   | Contact No.                      |
|---------|--------------------|--|----------------------------------|
| 1       | Er Chung Yangfo    | O/O Junior Engineer<br>Water Resource Department<br>Itanagar   | Mobile:8837218613                |
| 2       | Er Dado Magnam     | O/O Junior Engineer<br>Water Resource Department<br>Itanagar   | Mobile: 9436225567<br>9862283257 |
| 3       | Er Mary Gollo      | O/O Junior Engineer<br>Water Resource Department<br>Naharlagun | Mobile: 8257835741               |
| 4       | Er Tame Ekha       | O/O Junior Engineer<br>Water Resource Department<br>Naharlagun | Mobile: 8132874899               |



iii) **The services or specialized skill that can be provided by the dept.**

The services of existing labors can be extended for construction of temporary shelters in the event of catastrophe provided construction materials are made available by the Govt. at that point of time.

**Activities by the Dept.**

| Pre-Disaster                             | During Disaster   | Post Disaster   |
|--|---|---|
| To keep awareness of the do's and don'ts | Available manpower in the form of labour shall be pressed into service. | Rehabilitation activities to be taken within the limited resources available in the form of labour. |

iv) **Resource Inventory:**

| Sl.No | Resources                                | Qty. in Nos            | Availability Location                          |
|-------|--|------------------------|--|
| 1.    | Manpower                                 | 5 Nos                  | Itanagar                                       |
| 2.    | Service                                  | Human Labour           | Itanagar                                       |
| 3.    | Materials                                | Spade, Shovel & Jumber | Itanagar                                       |
| 4.    | Equipments                               | Nil                    | Nil  |
| 5.    | Motor vehicles                           | 1 nos (LMV)            | This LMV is used against O/o AE,WRSD Itanagar. |
| 6.    | Any other special material if available. |                        |  |

D. **Name of the Department: POWER**

| Sl. No. | Name/Designation                 | Official Address  | Contact no.  |
|---------|----------------------------------|---|--|
| 1.      | <b>Nodal Officer</b>             | Executive Engineer<br>Capital Electrical Division<br>Department of Power, Opposite<br>Capital Auto Agency, Itanagar           | Mobile: 9436040076<br>Email<br>Id:ee_ced@hotmail.com |
|         | Er. Joram Lali                   |   |  |
| 2.      | <b>Alternative Nodal Officer</b> | Assistant Engineer<br>Capital Electrical Division<br>Department of Power, Opposite<br>Capital Auto Agency, Itanagar           | Mobile: 9436047111                                   |
|         | Er.Nabum Gumin                   |   |  |
| 3.      | Er.Tano Gongo                    | Assistant Engineer<br>Capital Electrical Division<br>Department of Power, Opposite<br>Capital Auto Agency, Itanagar           | Mobile: 8787519400                                   |
| 4.      | Mrs.Kenbom Zirdo                 | Assistant Engineer, Planning<br>Capital Electrical Division<br>Department of Power, Opposite<br>Capital Auto Agency, Itanagar | Mobile:9402278142                                    |



i) **Quick Response team (QRTs) at the HQ/Field**

| Sl. No.                          | Name / Designation                      | Official Address   | Contact No.        |
|----------------------------------|---|--|--------------------|
| 1                                | Er. Nabum Gumin                         | Assistant Engineer,<br>Capital Electrical Division<br>Department of Power, Opposite<br>Capital Auto Agency, Itanagar | Mobile: 9436047111 |
| 2.                               | Er.Tano Gongo                           | Assistant Engineer,<br>Capital Electrical Division<br>Department of Power, Opposite<br>Capital Auto Agency, Itanagar | Mobile: 8787519400 |
| <b>Alternative Nodal Officer</b> |   |  |                    |
| 1.                               | Er. Kenbom Zirido                       | Assistant Engineer,<br>Capital Electrical Division<br>Department of Power, Opposite<br>Capital Auto Agency, Itanagar | Mobile:9402278142  |
| 2.                               | Er.Tano Gongo                           | Assistant Engineer,<br>Capital Electrical Division<br>Department of Power, Opposite<br>Capital Auto Agency, Itanagar | Mobile: 8787519400 |
| <b>Members</b>                   |   |  |                    |
| 1                                | Er K.Tangung, Junior<br>Engineer(E)     | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 7005662118 |
| 2                                | Er Karan Singh<br>SolankiJE (E)         | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9436254650 |
| 3                                | Er S.K Tiwari, Junior<br>Engineer(E)    | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9402248312 |
| 4.                               | Er Chuku Juli, Junior<br>Engineer (E)   | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 8974689120 |
| 5.                               | Er Dinesh Kumar,<br>Junior Engineer (E) | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9436051839 |
| 6.                               | Er Mili Monga, Junior<br>Engineer(E)    | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9436896368 |
| 7.                               | Er Mardak Riba,<br>Junior Engineer(E)   | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9774238279 |
| 8.                               | Er Kada Tabu, Junior<br>Engineer(E)     | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9436630187 |
| 9.                               | Er Taku Takha, Junior<br>Engineer(E)    | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9436895524 |
| 10.                              | Er Penia Bagra,<br>Junior Engineer(E)   | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9402953190 |
| 11.                              | Er Kajum Tali, Junior<br>Engineer(E)    | O/O Assistant Engineer (E)<br>CESD-1, Itanagar   | Mobile: 9402228778 |



ii) **The services or specialized skill that can be provided by the dept.  
Activities by the deptt.**

| Sl. No. | Pre-Disaster  | During Disaster  | Post Disaster   |
|---------|---|--|---|
| 1.      | The Electricity service in the town have been provided through Sub-transmission system at 11 KV voltage level with distribution transformer Sub-Station located at the required places in all the sectors, colonies and inhabitations enroute the NH-415. In addition to above, Diesel Power Houses are in place at various locations for providing un-interrupted power supply to the offices and official residences of the Ministers, Commissioners/ Secretaries and other Seniors Officers. | Temporary electricity supplies can be made available to the transit camps, feeding centers, relief camps onsite Emergency Operation Centers and on access roads to the same for smooth conduct of rescue operation during disasters through re-arrangement and management of available generators of various power houses. | Identification of damaged transmission and distribution systems of entire Capital Town and restoration of normal power supply to entire Capital Town, Itanagar. |

iii) **Resource Inventory:  
MANPOWER**

| Sl. No            | Name                 | Quantity in nos.   | Availability location |
|-------------------|----------------------|--|-----------------------|
| 1.                | Work-Charged staffs  | 304  |                       |
| 2.                | Casual staffs        | 716  |                       |
| <b>SERVICES</b>   |                      |  |                       |
| 1.                | Electricity Services | As may be required for providing temporary electricity supplies for transit camps, feeding centers, relief camps, onsite Emergency Operation Center, and on access roads to the same. During disaster situations, connection & disconnections of electricity lines for safety of causalities and properties. |                       |
| <b>MATERIALS:</b> |                      |  |                       |
|                   |                      | Electrical materials and equipments shall be used against ongoing schemes of respective sections of this division.   |                       |



| <b>EQUIPMENTS</b> |   |         |   |
|-------------------|---|---------|---|
| 1.                | Truck   | 2 nos   | Shri Dinesh Kumar ,Junior<br>Engineer(E) Mobile No.9436051839 |
| 2.                | Mini Truck  | 2 nos   |   |
| 3.                | Inspection light vehicle,<br>Scorpio/Bolero/Gypsy<br>& pick up Van etc. | 39 nos. |   |
| 4.                | DG set of different<br>capacities.                                      | 12 nos  |   |

**iv) OTHER RESOURCES**

| <b>Sl. No.</b> | <b>Location</b>                 | <b>Qty. (Capacity) in (KW)</b> | <b>Incharge with contact no.</b>             |
|----------------|---------------------------------|--------------------------------|--|
| 1.             | R.K Mission Power House         | 2x200                          | Er Taku Takha mobile No.9436895524           |
| 2.             | Raj Bhawan Power                | 2x125                          | Er Chuku Juli, Mobile No.8974689120          |
| 3.             | Niti Vihar Power House          | 3x125                          | Er Penya Bagra Mobile, No.9402953190         |
| 4.             | Secretariat Power House         | 1x200 & 2x125                  | Er Kenbom Zirido, Mobile No.942278142        |
| 5.             | Ess Power House                 | 1x125 & 1x48                   | Er Karan Singh, Solanki Mobile No.9436254650 |
| 6.             | Senki Park Power House          | 1x125                          | Er Kadha Tabu, Mobile No.9436630187          |
| 7.             | C-Sector Power House            | 2x125                          | Er Techi Nikam, Mobile No.940290140          |
| 8.             | Circuit House Power             | 1x48 & 1x24                    | Er Techi Nikam, Mobile No.940290140          |
| 9.             | Vidyut Bhawan Power House       | 1x48 & 1x28                    | Er S.K Tiwari, Mobile No.9402248312          |
| 10.            | D.N.G College Power House       | 1x60 & 1x32                    | Er Mardak Riba, Mobile No.9774238279         |
| 11.            | APIC(Hotel Bomdila) Power House | 1x125                          | Er Milli Monga, Mobile No.946896368          |
| 12.            | HCM Bungalow Power House        | 2x125                          | Er Penya Bagra Mobile, No.9402953190         |

**E. Name of the Department: RURAL WORK DEPARTMENT**

| <b>Sl. No.</b> | <b>Name/Designation</b>          | <b>Official Address</b>                           | <b>Contact no.</b> |
|----------------|----------------------------------|---|--------------------|
| 1.             | <b>Nodal Officer</b>             | Executive Engineer<br>Rural Works Division, Yupia | Mobile:9436041021  |
|                | Er Techi Jobae                   |   |                    |
| 2.             | <b>Alternative Nodal Officer</b> | Assistant Engineer Sub-Division, Itanagar         | 9436040202         |
|                | Er Gambi Karbak                  |   |                    |

i) **Quick Response team (QRTs) at the HQ**

| Sl. No.                          | Name / Designation                 | Official Address                                   | Contact No.       |
|----------------------------------|------------------------------------|--|-------------------|
| 1                                | Er Gambi Karbak                    | Assistant Engineer Sub-Division, Itanagar          | 9436040202        |
| <b>Alternative Nodal Officer</b> |                                    |  |                   |
|                                  | Er Tadar Kagung                    | Junior Engineer, Rural Works Section, Itanagar HQ. | Mobile 7085758789 |
| <b>Members</b>                   |                                    |  |                   |
| 1                                | Er Techu Tsama, Junior Engineer    | Rural Works Section, Jullang                       | 9436263674        |
| 2                                | Er Nangram Jajung, Junior Engineer | Rural Works Section, Ganga                         | 9436059561        |
| 3                                | Er Ricky Zirdo, Junior Engineer    | Rural Works Section, Donyi-Polo                    | 9485019912        |

ii) **Quick Response team (QRTs) at the Field**

| Sl. No.                          | Name / Designation               | Official Address                          | Contact No.        |
|----------------------------------|----------------------------------|---|--------------------|
| 1.                               | Er Gambi Karbak                  | Assistant Engineer Sub-Division, Itanagar | Mobile: 9436040202 |
| <b>Alternative Nodal Officer</b> |                                  |   |                    |
| 2                                | Er Tame Takiang, Junior Engineer | Rural Works Section, HQ Naharlagun        | Mobile: 9436294809 |
| <b>Members</b>                   |                                  |   |                    |
| 1                                | Er Debia Tayo, Junior Engineer   | Rural Works Section, Jote                 | Mobile: 9402278108 |
| 2                                | Er Ngurang Niya, Junior Engineer | Rural Works Section, Tarraso              | Mobile: 9402604069 |

iii) **Resource Inventory:**

| Sl. No | Resources  | Quantity in nos. | Availability location |
|--------|------------|------------------|-----------------------|
| 1.     | Manpower   | 20               | RWD, Yupia            |
| 2.     | Services   | Nil              | Nil                   |
| 3.     | Materials  | Nil              | Nil                   |
| 4.     | Equipments | Nil              | Nil                   |

**F. Name of the Department: Fire & Emergency Services**

The Disaster Management Plan/Emergency Support Plan is prepared mainly to focus on fire accident and its mitigation. The department also provides all possible support with its limited resources/gears during natural and man-made disaster such as Fire Accident, Earthquake, Landslide, Flood & Cyclone etc.

The main aim is to provide prompt and efficient response in order to control an outbreak of fire and any other eventualities and calamity where it can be employed. The cause of fire and any other eventuality may vary as a number of factors can contribute to such disaster.



All Fire Stations are mending round the clock to respond to fire incident and other disaster which may occur in their jurisdiction/area. All Fire Stations can be communicated through telephone. In case of communication problem, nearest Police Station may be informed for transmission of important signals and messages.

The details of Nodal Officer, Alternative Nodal Officer and Quick Response Teams (QRTs) at Capital Complex are as under:

**i) Quick Response Team (QRTs) at the HQs**

| <b>Sl. No.</b> | <b>Name/Designation</b>  | <b>Official Address</b>  | <b>Contact Details</b>  |
|----------------|--|--|---|
| <b>1.</b>      | <b>Nodal Officer</b>   |  |   |
|                | Shri Ravindra Singh Yadav (IGP)<br>Director, Fire & Emergency Services,<br>Arunachal Pradesh,<br>Itanagar.         | Directorate of Fire & Emergency Services,<br>Old PHQ Building,<br>Ganga, Itanagar<br>Arunachal Pradesh | Mobile: 9436040702<br>Landline: 0360-2212567                                      |
| <b>2.</b>      | <b>Alternate Nodal Officer</b>   |  |   |
|                | Shri Romil Baaniya, IPS<br>Superintendent of Police<br>Fire & Emergency Services<br>Arunachal Pradesh,<br>Itanagar | -do-   | Mobile: 6009047649<br>Landline: 0360-2212639<br>Email ID:<br>dirfs@arunpol.nic.in |
| <b>3.</b>      | <b>Member-1</b>  |  |   |
|                | Shri L. Buni, Insp.<br>Reserve Inspector,<br>Fire & Emergency Services<br>Arunachal Pradesh,<br>Itanagar           | -do-   | Mobile: 8257002894<br>9436055817<br>Landline:0360-2212639                         |
| <b>4.</b>      | <b>Member-2</b>  |  |   |
|                | Shri Buru Mali, SO<br>Reserve Officer,<br>Fire & Emergency Services<br>Arunachal Pradesh,<br>Itanagar              | -do-   | Mobile: 9436056660<br>Landline:0360-2212639                                       |

**ii) Quick Response Team (QRTs) at Capital Complex.**

| Sl. No. | Name/Designation   | Official Address            | Contact Details            |
|---------|--|-----------------------------|----------------------------|
| 1.      | <b>Itanagar</b>  |                             |                            |
|         | i. Shri Koj Taro, SO<br>(Team Leader)<br>Officer In-Charge<br>Fire Station, Itanagar<br>ii. Members (All<br>personnel posted at<br>FS Itanagar)                    | Fire Station,<br>Itanagar   | Landline: 0360-2212640/101 |
| 2.      | <b>Naharlagun</b>  |                             |                            |
|         | i. Shri Sujit Chakraborty,<br>SO<br>(Team Leader)<br>Officer In-Charge<br>Fire Station,<br>Naharlagun<br>ii. Members (All personnel<br>posted at FS<br>Naharlagun) | Fire Station,<br>Naharlagun | Landline: 0360-2244399/101 |

The above mentioned Quick Response Team will act in their respective locality headed by Nodal Officer/Alternate Nodal Officer. The Station Officers of Fire Station Itanagar/ Naharlagun will activate their man power and resources during emergency. Similarly, in districts, the Station Officer and In-charge shall immediately activate their men power and resources under the supervision of Superintendent of Police, Dy. Superintendent of Police or Circle Inspector.

**iii) Technical Support Group**

Technical problem may take place during fire fighting operation like, refuelling of Fire Tender on the spot, repairing of equipments and appliances on minor defect, requisition of additional man-power etc. The RI/RO/MTO/QM of HQ (F&ES) will be under this group to perform any tasks assigned to them.

**iv) RESOURCE INVENTORY****a) Fire Fighting Equipments available at FS Itanagar**

| Sl. No. | Name of equipment              | Quantity | Sl. No. | Name of equipment       | Quantity |
|---------|--------------------------------|----------|---------|-------------------------|----------|
| 1       | Delivery Hose                  | 17 Nos.  | 38      | Long branch pipe        | 01 No.   |
| 2       | Co2 Extinguisher [02 Kg]       | 08 Nos.  | 39      | Nevil branch Pipe       | 01 No.   |
| 3       | DCP Extinguisher[10kg]         | 01 No.   | 40      | AFFF (Refilling Bottle) | 18 Nos.  |
| 4       | Portable Ground Water Monitor  | 01 No.   | 41      | FB 5X                   | 07 Nos.  |
| 5       | Smoke exhauster cum air blower | 01 No.   | 42      | Door breaker            | 05 Nos.  |
| 6       | High expansion foam generator  | 01 No.   | 43      | Ceiling hook            | 02 Nos.  |





|    |                         |         |    |                                   |         |
|----|-------------------------|---------|----|-----------------------------------|---------|
| 7  | Bucket Strainer         | 07 Nos. | 44 | Universal wrench                  | 05 Nos. |
| 8  | Low pressure applicator | 01 No.  | 45 | Conventional wrench               | 02 Nos. |
| 9  | Chemical foam compound  | 14 Nos. | 46 | Pick axe                          | 05 Nos. |
| 10 | Extinguisher wall clamp | 15 Nos. | 47 | Shears                            | 02 Nos. |
| 11 | Hose binding machine    | 01 No.  | 48 | Large Axe                         | 09 Nos. |
| 12 | Fire beater             | 05 Nos. | 49 | Rubber glove                      | 06 Nos. |
| 13 | Discharge horn          | 02 Nos. | 50 | Canvas glove                      | 01 No.  |
| 14 | Washer suction hose     | 08 Nos. | 51 | Artificial Respiration (Ambu Bag) | 04 Nos. |
| 15 | Washer delivery hose    | 12 Nos. | 52 | First Aid Box                     | 02 Nos. |
| 16 | Drag hook               | 01 No.  | 53 | Chain Saw (Light)                 | 01 No.  |
| 17 | Hose hook               | 02 Nos. | 54 | Face Mask                         | 06 Nos. |
| 18 | Hose bandage            | 09 Nos. | 55 | Cutter Combi Tools                | 01 No.  |
| 19 | Blank cap               | 05 Nos. | 56 | Stretcher                         | 06 Nos. |
| 20 | Dividing breeching      | 02 Nos. | 57 | Asbestos Suit                     | 02 Nos. |
| 21 | Collecting breeching    | 01 No.  | 58 | Air blower pipe                   | 01 No.  |
| 22 | Collecting head         | 02 Nos. | 59 | Life jacket                       | 07 Nos. |
| 23 | New light gun           | 01 No.  | 60 | Life bouy                         | 02 Nos. |
| 24 | Revolving branch pipe   | 02 Nos. | 61 | Rope (Nylon)                      | 04 Nos. |
| 25 | Adapter                 | 05 Nos. | 62 | Crow bar                          | 03 Nos. |
| 26 | Pulley                  | 01 No.  | 63 | Shovel                            | 03 Nos. |
| 27 | Nozzle spanner          | 02 Nos. | 64 | Spade                             | 07 Nos. |
| 28 | Hand control branch     | 01 No.  | 65 | Rubber denging                    | 02 Nos. |
| 29 | Hammer (Small)          | 01 No.  | 66 | Rubber denging foot pump          | 01 No.  |
| 30 | Hammer (big)            | 05 Nos. | 67 | Wind direction machine with box   | 01 No.  |
| 31 | Goggles                 | 02 Nos. | 68 | Proximity suit                    | 02 Nos. |
| 32 | Hydrant key             | 01 No.  | 69 | Helmet (yellow)                   | 05 Nos. |
| 33 | Fire men Axe            | 01 No.  | 70 | bell                              | 01 No.  |
| 34 | Wire cutter             | 02 Nos. | 71 | Electric change over set          | 01 No.  |
| 35 | Metal strainer          | 08 Nos. | 72 | Diffuser branch                   | 03 Nos. |
| 36 | Revolving branch        | 02 Nos. | 73 | B.A Set                           | 01 No.  |
| 37 | Short branch pipe       | 09 Nos. |    |                                   |         |

**b) Fire Fighting Equipments available at FS Naharlagun**

| <b>Sl. No.</b> | <b>Name of equipment</b> | <b>Quantity</b> | <b>Sl. No.</b> | <b>Name of equipment</b>      | <b>Quantity</b> |
|----------------|--------------------------|-----------------|----------------|-------------------------------|-----------------|
| 1              | Delivery Hose            | 25 Nos.         | 27             | Hose Vulcanizing Machine      | 01 No.          |
| 2              | Suction Hose             | 04 Nos.         | 28             | Co2 Ext [2 kg]                | 05 Nos.         |
| 3              | Short Branch Pipe        | 05 Nos.         | 29             | Hand Control Branch Pipe      | 05 Nos.         |
| 4              | Revolving Nozzle         | 02 Nos.         | 30             | High Expansion Foam Generator | 01 No.          |



DISTRICT DISASTER MANAGEMENT PLAN 2020

|    |                           |         |    |                                       |         |
|----|---------------------------|---------|----|---------------------------------------|---------|
| 5  | Diffuser Branch Pipe      | 1 No.   | 31 | Super Jet Water Monitor               | 01 No.  |
| 6  | Extra Nozzle              | 07 Nos. | 32 | Adjustable Wrench                     | 01 No.  |
| 7  | Extension Ladder (Single) | 04 Nos. | 33 | Rubber Glove                          | 03 Nos. |
| 8  | Fireman Axe               | 08 Nos. | 34 | Garden Umbrella                       | 01 No.  |
| 9  | DCP Extinguisher[5 kg]    | 13 Nos. | 35 | Wire Cutter                           | 05 Nos. |
| 10 | CO2 Extinguisher [4.5 kg] | 04 Nos. | 36 | Metal Strainer                        | 03 Nos. |
| 11 | Nozzle Spanner            | 10 Nos. | 37 | Washer for D/Hose                     | 02 Nos. |
| 12 | Suction Wrench            | 11 Nos. | 38 | Chain Wrench                          | 02 Nos. |
| 13 | Hose Binding Machine      | 01 No.  | 39 | Pol Pipit Gun                         | 01 No.  |
| 14 | Helmet                    | 27 Nos. | 40 | FB 5X                                 | 04 Nos. |
| 15 | Ceiling Hook              | 02 Nos. | 41 | Pick Axe                              | 03 Nos. |
| 16 | Low Pressure Applicator   | 01 No.  | 42 | Crow Bar                              | 04 Nos. |
| 17 | Shovel                    | 03 Nos. | 43 | MFG-10                                | 01 No.  |
| 18 | Door Breaker              | 03 Nos. | 44 | Basket Strainer                       | 02 Nos. |
| 19 | BCF Trolley Mounted       | 03 Nos. | 45 | Dao                                   | 01 No.  |
| 20 | W/T Extinguisher          | 07 Nos. | 46 | Bolt Cutter                           | 01 No.  |
| 21 | First Aid Box             | 01 No.  | 47 | Hydrant Key                           | 02 Nos. |
| 22 | Spade                     | 05 Nos. | 48 | Multipurpose hand control branch pipe | 03 Nos. |
| 23 | Large Axe                 | 03 Nos. | 49 | Collecting head                       | 01 No.  |
| 24 | Hammer                    | 04 Nos. | 50 | Dividing Breaching                    | 01 No.  |
| 25 | Fire Beater               | 06 Nos. | 51 | Non Returning Valve                   | 01 No.  |
| 26 | Jack                      | 05 Nos. | 52 | Foam Extinguisher                     | 09 Nos. |

c) Manpower

| Sl. No | Description          | Total        | Availability/Location   |
|--------|----------------------|--------------|-------------------------|
| i.     | Station Officer : 2  | 63 Personnel | FS Itanagar/ Naharlagun |
| ii.    | Sub-Fire Officer : 5 |              |                         |
| iii.   | Leading Fireman: 7   |              |                         |
| iv.    | Driver : 8           |              |                         |
| v.     | Mechanic : 4         |              |                         |
| vi.    | Fireman : 37         |              |                         |

d) Motor Vehicles

| Sl.No | Description                   | Total        | Availability/Location   |
|-------|-------------------------------|--------------|-------------------------|
| I.    | Fire Tender – 6 Nos.          | 16 vehicles. | FS Itanagar/ Naharlagun |
| II.   | Foam Tender – 1 Nos.          |              |                         |
| III.  | Quick Response vehicle- 4 Nos |              |                         |
| IV.   | Hazmat Van – 1 No.            |              |                         |
| V.    | Rescue Tender – 1 No.         |              |                         |
| VI.   | Mini Fire Tender – 3 Nos.     |              |                         |



**DEPARTMENT OF FIRE & EMERGENCY SERVICES:**

The Department of Arunachal Pradesh Fire & Emergency Services will provide emergency support to the State Govt. in the event of natural and man-made disasters:

1. Activities – ‘We Serve to Save’ is the main motto of Arunachal Pradesh Fire & Emergency Services. We render our services to save life and properties during disaster. The mass awareness programme on Fire Prevention & Fire Safety measures with Mock Drill in Schools Public places is regular feature of the department. Capacity Building of Fire & Emergency Services on disaster management are also imparted in co-ordination with the Deptt. of Disaster Management. In order to deal effectively with the unpredictable challenges of fire hazards and Natural as well as Man-made disasters, the Govt. is committed to give more emphasis on saving the life and property of the common citizens.
2. There are 345 Fire & Emergency Services personnel have been posted in various Fire Stations in Arunachal Pradesh.
3. Equipments: - Co<sub>2</sub> Extinguishers, DCP extinguishers Water type extinguishers, AFFF extinguishers, etc are available with the department.

**PLAN FOR INCIDENT MANAGEMENT SCHEME**

1. To indicate the fundamental elements for effective response to any incident requiring attention of the Fire and Emergency Services’ Authority, District Police and to define fundamental elements of the plan like clarity of objectives, unity of command and effective resource management the scheme in tabular form is drawn as follows.
2. The approach to this plan is focused on strategic response system in any incident, command structure and time frame. It is rather a contingency plan divided into three stages- (I) Emergency Support Function; (II) Short term Plan ; (III) Long Term Plan and thereafter.

**LONG TERM PLAN**

| Actions  | To be undertaken by       | Requirements to meet up action   | Time frame           |
|--|---------------------------|--|----------------------|
| Normal Time  |                           |  |                      |
| Evaluate expected events   | DC/DSP & DF&ES            | Based on manpower, equipments, nature & severity of incident                                     | weekly               |
| Planning and co-ordination with PHQ & DA                           | -do-                      |  | Continuous process   |
| Risk assessment and vulnerability mapping                          | -do-                      |  | Within next 3 months |
| Conduct mock drills, awareness training and co-ordination meetings | FS Level officers & Staff | Include participation of civil society, media and students and staff of educational institutions | Monthly              |
| Inspection of Fire Stations & equipments                           | DF&ES                     | Physical verification & holding of Sampark Sabha   | Annually             |



### EMERGENCY PLAN

|  |                          |  |                    |
|--|--------------------------|--|--------------------|
| Gear up intelligence and institute regular reporting | DSP/OC(SB)/OC FS         | Operating communication systems  |                    |
| Verify communication system                          | DSP/SP(T)                | Ensure availability of power/battery/WT sets                               | 1-2 hrs of warning |
| Alert Police/ CRPF/ AR and other SF                  | DSP/Commandant ITBP/CRPF | Telephone followed by SMS & WT Message                                     | 1-2 hrs of warning |
| Implementation of SOP and use of resources           | DSP/SP(F&ES)             | OC(WT)/RO/Cote NCO/Arms & Ammunition/Lathi/Riot equipments/TSC/Torch light | 1-2 hrs of warning |
| Develop preliminary estimate for logistic support    | DC/DF&ES/DSP             | Vehicles/fuel/ration/medicine  | 1-2 hrs of warning |

### SHORT TERM PLAN

|  |                              |  |                         |
|--|------------------------------|--|-------------------------|
| Get feed backs on deployment from Control Room                             | DSP/ DF&ES                   | Operating Communication system         | Immediately             |
| Check status of force and logistic support                                 | DC/ DSP                      | Operating Communication system         | 1-2 hrs of incident     |
| Deploy additional force  | DSP/DF&ES/CO ITBP, CRPF/Army | Vehicles, fuel and drivers             | 2-3 hrs of incident     |
| Monitor resource mobilization  | DC/DSP/SP(F&ES)              |  | 1 hr of incident        |
| Requisition addnl resources, if required & implement force management plan | DC/DSP/SP(F&ES)              | Operating communication systems        | 5 hrs of incident       |
| Institute regular reporting  | DC/DF&ES/DSP                 | Operating communication system         | At start                |
| Begin staff rotation   | -do-                         | Reserve Force                          | 12 hrs of incident      |
| Establish rumor control & provide information to public                    | -do-                         | Involve DM, Media, NGO & local eminent | As per requirement      |
| Plan for return to normalcy  | DC /DSP/DF&ES                |  | 72 hrs after incident   |
| Feed back meeting & final report   | DC /DSP/DF&ES                |  | One week after incident |
| Establish rumor control & provide information to public                    | -do-                         | Involve DM, Media, NGO & local eminent | As per requirement      |
| Plan for return to normalcy  | DC /DSP                      |  | 72 hrs after incident   |
| Feed back meeting & final report   | DC /DSP                      |  | One week after incident |

**State Level****NODAL OFFICER (HQ)**

| <b>Name/Designation/office/Residential Address</b>   | <b>Contact No.</b>                           |
|--|--|
| Shri Ravindra Singh Yadav (IGP)<br>Director,<br>Fire & Emergency Services,<br>Arunachal Pradesh, Itanagar. | Mobile: 9436040702<br>Landline: 0360-2212567 |

**ALTERNATE NODAL OFFICER (HQ)**

| <b>Name/Designation/office/Residential Address</b>  | <b>Contact No. with STD</b>  |
|---|--|
| Shri Romil Baaniya, IPS<br>Superintendent of Police<br>Fire & Emergency Services<br>Arunachal Pradesh, Itanagar | Mobile: 6009047649<br>Landline: 0360-2212639<br>Email ID: dirfs@arunpol.nic.in |

**QUICK RESPONSE TEAM (QRTs) IN CAPITAL COMPLEX**

| <b>Name/Designation/office/Residential Address</b>                         | <b>Contact No.</b>                              |
|--|---|
| TEAM LEADER  |   |
| Sri Koj Taro, SO<br>Officer-in-charge<br>Fire Station, Itanagar            | (O) 0360- 2212640 or 101<br>(Mobile) 9436252053 |
| ALTERNATE TEAM LEADER  |   |
| Shri Takhe Horming<br>Sub Fire Officer<br>Fire Station, Itanagar           | (O) 0360- 2212640 or 101<br>(Mobile) 9436639634 |
| TEAM LEADER  |   |
| Sri Sujit Chakraborty, SO<br>Officer In-charge<br>Fire Station, Naharlagun | (O) 0360-2244399 or 101<br>(Mobile) 9436225057  |
| ALTERNATE TEAM LEADER  |   |
| Shri P. C. Roy<br>Sub Fire Officer<br>Fire Station, Naharlagun             | (O) 0360-2244399 or 101<br>(Mobile) 9436054898  |

**G Name of the Department: District Animal Husbandry & Veterinary Officer**

| <b>Sl. No.</b> | <b>Name/Designation</b> | <b>Official Address</b>        | <b>Contact no.</b> |
|----------------|-------------------------|--------------------------------|--------------------|
|                | <b>Nodal Officer</b>    |                                |                    |
| 1.             | Dr.Dagge Riba           | DVO,AH&Vety Yupia/Capital      | Mobile:9774455302  |
| 2.             | <b>Nodal Officer</b>    | O/o District AH & Vety Officer | Mobile:7085955624  |
|                | Dr.S Yomdo,VO (HQ)      | Yupia/Capital                  |                    |



**i) Quick Response team (QRTs) at the HQ**

| Sl. No. | Name / Designation               | Official Address                | Contact No.        |
|---------|----------------------------------|---------------------------------|--------------------|
| 1.      | Dr.O.Rukbo,VO                    | Veterinary Dispensary,Itanagar  | Mobile:9436258794  |
| 2.      | <b>Alternative Nodal Officer</b> |                                 |                    |
|         | Dr.Nido Tayo,VO                  | Veterinary Dispensary,Itanagar  | Mobile :9436632470 |
| 3.      | <b>Members</b>                   |                                 |                    |
| 1.      | Shri K.Pertin,S/M                | Veterinary Dispensary, Itanagar | 9436639638         |
| 2.      | Nani Chada,S/M                   | Veterinary Dispensary, Itanagar | 7005848611         |
| 3.      | Shri S.Routh,S/M                 | Veterinary Dispensary, Balijan  | 9402788941         |

**ii) Quick Response team (QRTs) at the Field**

| Sl. No. | Name / Designation               | Official Address  | Contact No.        |
|---------|----------------------------------|---|--------------------|
| 1.      | Nodal Officer                    | Veterinary Officer, Vety Dispensary, Banderdewa cum VO, Livestock Checkgate, Banderdewa | 9402792306         |
|         | Dr.G.B Garam,VO                  |   |                    |
|         | <b>Alternative Nodal Officer</b> |   |                    |
| 2       | Shri P.K Choudhury, A/V          | <b>IMC, Banderdewa</b>  | Mobile:9957884706  |
|         | <b>Members</b>                   |   |                    |
| 1       | Shri J.Saikia S/M                | Vety. Dispensary, Banderdewa  | Mobile: 9859549905 |
| 2       | Shri Tadar Nai,S/M               | Vety. Dispensary, Banderdewa  | Mobile: 9402235978 |

**iii) The services or specialized skill that can be provided by the dept.**

| <b>Activities by the deptt.</b> |  |                   |  |
|---------------------------------|--|-------------------|--|
| Sl. No.                         | Pre-Disaster   | During Disaster   | Post Disaster  |
| 1.                              | Normal routine activities related to animal health service | Relief activities | Vaccination, treatment etc through post disaster activities. |

**iv) Resource Inventory:**

| Sl. No. | Resources       | Quantity in nos.              | Quantity       |
|---------|-----------------|-------------------------------|----------------|
| 1.      | <b>Manpower</b> | 1. District AH & VO (DVO)     | 1              |
|         |                 | 2. VO (AHV)                   | 7              |
|         |                 | 3. VO(Block)                  | 2              |
|         |                 | 4.Assistant Veterinarian (AV) | 15             |
|         |                 | 5.Stockman (SM)               | 31             |
|         |                 | 6. Statistical Inspector      | 1              |
|         |                 | 7.Enumerator                  | 1              |
|         |                 | 8.Driver                      | 1              |
|         |                 | 9.Peon                        | 1              |
|         |                 | 10. Dispensary Attendant (DA) | 7              |
|         |                 | 11.Mali                       | 1              |
|         |                 | 12.Night Chowkidar            | 1              |
|         |                 | 13.Fodder Assistant           | 1              |
|         |                 | 14.Poultry                    | 1              |
|         |                 | 15.Vaccine Carrier            | 1              |
| 2.      | <b>Vehicle</b>  |                               |                |
|         |                 | 1.                            | Old Bolero Car |

a) **MANPOWER**

| <b>Sl. No.</b> | <b>Name</b>         | <b>Designation</b> | <b>Branch</b>               | <b>Contact No.</b> |
|----------------|---------------------|--------------------|-----------------------------|--------------------|
| 1.             | Dr. Nido Tayo       | VO                 | Vety.Dispensary, Itanagar   | 9436632470         |
| 2.             | Dr.Oying Rukbo      | VO                 | Vety.Dispensary, Itanagar   | 9436258794         |
| 3.             | Shri Landi Piliya   | Asst.Vet           | Vety.Dispensary, Itanagar   | 8794363217         |
| 4.             | Shri Nani Chadha    | Stockman           | Vety.Dispensary, Itanagar   | 7005848611         |
| 5.             | Dr.Marli Ette       | VO                 | Vety.Dispensary, Ganga      | 9436252496         |
| 6.             | Shri Kabit Pertin   | Stockman           | Vety.Dispensary, Ganga      | 9436639638         |
| 7.             | Shri Mihin Lyong    | Stockman           | Vety.Dispensary, Ganga      | 7005243550         |
| 8.             | Dr.G.B Garam        | VO                 | Vety.Dispensary, Banderdewa | 9402792306         |
| 9.             | Shri.P.K Choudhary  | Asst.Vet           | IMC,Baderdewa               | 9957884706         |
| 10.            | Shri Jayanta Saikia | Stockman           | Vety.Dispensary, Banderdewa | 9859549905         |
| 11.            | Shri Tadar Nasi     | Stockman           | Vety.Dispensary, Banderdewa | 9402235978         |

**H. NAME OF THE DEPARTMENT: - HORTICULTURE, YUPIA/ICC****I. QUICK RESPONSE TEAM**

| <b>Sl/No</b> | <b>Name / Designation</b>      | <b>Official Address</b>                                    | <b>Contact</b> |
|--------------|--------------------------------|--|----------------|
| 1.           | <b>Nodal Officer</b>           | District Horticulture Officer<br>Papum Pare District Yupia | 9436637900     |
|              | Shri Joram Bath,HDO(i/c DHO)   |  |                |
| 2.           | <b>Alternate Nodal Officer</b> | -do -  | 9436050708     |
|              | Shri Tagom Ronya, HDO          |  |                |

**II. QUICK RESPONSE TEAM (QRTS) AT THE HQS**

| <b>SL/NO</b> | <b>Name/ Designation</b>       | <b>Official Address</b>                                    | <b>Contact</b> |
|--------------|--------------------------------|--|----------------|
| 1.           | <b>Nodal Officer</b>           | District Horticulture Officer<br>Papum Pare District Yupia | 7005238115     |
|              | Shri Phassang Sikiong, HMO     |  |                |
| 2.           | <b>Alternate Nodal Officer</b> | -do -  | 8257097071     |
|              | Smti. D. Neog, UDC             |  |                |
| 3.           | <b>Member 1</b>                | -do-   | 9436068791     |
|              | Shri Kipa Talar, UDC           |  |                |
| 4.           | <b>Member 2</b>                | -do -  | 8416045367     |
|              | Smti. H. Rottom, LDC           |  |                |

**III. QUICK RESPONSE TEAM (QRTS) AT THE FIELD**

| <b>SL/NO</b> | <b>Name / Designation</b>      | <b>Official Address</b>  | <b>Contact</b> |
|--------------|--------------------------------|--|----------------|
| 1.           | <b>Nodal Officer</b>           | Sub Divisional Horticulture<br>Officer, Sagalee                | 8258808985     |
|              | Shri C. K. Tayum, HDO          |  |                |
| 2.           | <b>Alternate Nodal Officer</b> | Horticulture Development<br>Officer, Balijan                   | 9436898212     |
|              | Shri Millo Tara, HDO           |  |                |
| 3.           | <b>Member 1</b>                | Horticulture Development<br>Officer, Mengio                    | 8256983996     |
|              | Shri Tapi Abing, HDO           |  |                |
| 4.           | <b>Member2</b>                 | District Horticulture Officer,<br>Papum Pare District<br>Yupia | 7005238115     |
|              | Shri Phassang Sikiong,HMO      |  |                |

**IV. MANPOWER**

| SL/NO | Name of the Deptt | Details of Officers/Officials |         |         |         | Remarks |
|-------|-------------------|-------------------------------|---------|---------|---------|---------|
|       |                   | Group-A                       | Group-B | Group-C | Group-D |         |
| 1.    | Horticulture      | 6 Nos.                        | Nil     | 29 Nos. | 5 Nos.  |         |

**HOSPITAL DISASTER MANAGEMENT PLAN**  
**Operational Policy**  
**RAMAKRISHNA MISSION HOSPITAL**

**A. Purpose:**

- a. To provide policy for response to both internal and external disaster situations that may affect staff, patients, visitors and the community.
- b. Identify responsibilities of individuals and departments in the event of a disaster situation.
- c. Identify Standard Operating Guidelines (SOGs) for emergency activities and responses.

**B. Scope:**

Hospital wide

**C. Situations and Assumptions:**

Several Types of hazards pose a threat to the hospital:

1. Internal disasters: Fire, explosions and hazardous materials spills or releases.
2. Minor external disasters: incidents involving a small number of casualties.
3. Major external disasters: incidents involving a large number of casualties.
4. Disasters threat affecting the hospital or community (large or ) nearby fires, impending disasters ,flooding, explosions etc.
5. Disaster in other communities.

**D. General Considerations:****a. Lines of Authority: The following persons, in order listed will be in charge:**

1. Medical Superintended /Monk-in-Charge(Administration)
2. Deputy Matrons
3. Clinical Services Supervisors
4. Nursing In charge on duty at time of disaster.
5. Emergency room In charge.

**b. Communications:**

1. A Command Center will be sent up at the Medical Superintendent's Office to handle and co-ordinate all internal communications. All departments heads or their designee will report to this office and call as many as their employees as needed.
2. The person in charge when the disaster happens will assigns a clerical staff to the communications system in the E.D.This clerical staff will answer all telephone calls from this stations.





3. At least one messenger will be assigned to the telephone operator to deliver messages, obtain casualty count from triage, etc.
4. Person directing personnel pool shall send a runner to all department to advise them of the type of disaster and number of victims and extent of injuries when this information is available.
  - a. Nursing will be notified by the Deputy Matron or designated persons.
  - b. Department's heads will be notified by the Supervisors or designated staff.
  - c. Departments Heads will notify their key personnel.
1. A "Visitors Control Center" will be set up in the front Lobby. Families of casualties will be instructed to wait there until notified of patient's condition. Normal visiting hours will be suspended during the disaster situation.
  - a. A hospital staff member will update, educate and counsel the family members.
  - b. A list of the visitor's names in association with the patient they are inquiring about should be kept. Volunteers may be needed to escort visitors within the facility.
2. Telephone lines will be made available for outgoing and incoming calls. One line will be designated as the open line to the external Command center. The person in charge will be assigned to monitor the phones.
- c. Supplies and Equipments:**
  1. Extra supplies will be obtained from purchasing personnel through runners.
  2. Outside supplies will be ordered by the store incharges and bought into the hospital.
- d. Valuable and Clothing:**

Large papers or plastic bags will be made available in the treatment areas and the storeroom for patient's clothing and valuables.
- e. Public Communication Center:**

A communication center for receiving outside calls and giving information to the press and relatives shall be set up in PRO office.
- f. Morgues Facilities:**
  1. Patient pronounced DOA (Death on arrival) will be tagged with a disaster Tag-do not remove personal effects.
  2. Bodies will be stored in a designated place by Security. Personnel will remain with bodies until removed by proper authority.
  3. After bodies have been handed over to the relatives after identification in presence of representatives from the police department. Bodies
  4. The bodies will be handed over to the relatives after proper identification in presence of representatives from the police department. Bodies which remain unclaimed will be handed over to the police after following the required procedures.
- E. Responsibilities of Individuals and Departments:**
  - a. Medical Administrator;**

In a **major disaster** will do the following functions:

    1. Check with local authorities to verify the disaster and obtain additional information.



2. Authorize announcement of disaster to hospital personnel.
  3. Ask for help from local police and volunteer organization as deemed necessary.
  4. Stay in the area of administrative offices to be available to assist, as request, by disaster coordinator.
- b. Nursing:**
1. **Is responsible for** notified all department heads or alternates.
  2. **In a major disaster** be responsible to see that families of victims are notified as soon as possible. This called may be made by the physician who treats victims or nursing Incharge of her designed
  3. The Command center in-charge will coordinate this effort and notified medical record personnel as to when information can released to the press.
- c. Nursing In-charge/Clinical Supervisor:**
1. Is responsible for determining the extent of the disaster whether it is “major” or a “minor” disaster. If it is a major disaster, then the Secretary, Assistant Secretaries,MS,and Deputy Matrons will be notified (if not present at time of disaster).
  2. Will set up a Command center- All department heads would report in to the supervisor before going to their departments.
  3. Will attempt to find adequate numbers of nursing personnel. Have them keep a last of those notified.
- d. Admitting office**
1. Assign responsible person to switchboard as soon as possible.
  2. Department head or designee will call in their own personnel as needed after having reported to the command center.
  3. Notify Emergency Communication Center if internal disaster involved.
  4. Do not accept routine non-emergency admissions.
  5. Refer all enquiries and press to desk in Reception Area.
  6. Assign and admission person to aid with discharge of hospital patients from the wards if request by Medical Team.
- e. Dietary**
1. The Department in charge or designee will call in their own personnel as needed after reporting to Command Center.
  2. Prepare to serve nourishments to ambulatory patients, house patients and personnel as need arise.
  3. Clear hallway of all tray carts.
  4. Be responsible for setting up menus in disaster situation and maintain adequate supplies.
- f. Maintenance**
1. Department head or designee will call in their own personnel as needed after reporting to Command Center.
  2. Maintain full operation of all facilities.



3. All doors should be locked immediately except employee entrance, Emergency Department door, and front lobby.
  4. Be responsible for setting up extra beds in hospital if needed, as well as transporting storeroom supplies and bringing in extra supplies from other areas.
  5. Be willing to help with movement of victims from ambulance to Triage.
- g. Housekeeping and Laundry**
1. Department head or designee will call their own personnel as needed after reporting to Command Center.
  2. Be available to help clean receiving area, and clean rooms between cases in treatment areas.
  3. Be sure all hallways or traffic areas are clear of cleaning carts, equipment and etc.
- h. Operation Room**
1. Supervisor or Nurse will supervise operating Room and call all needed personnel after reporting to Command Center.
  2. Call additional surgeons as needed.
  3. Check area for supplies and equipment.
  4. Ask for additional help to carry out surgery and treatments in operating Rooms and Recovery Room.
  5. Assign and direct scrub nurses and circulate.
  6. Notify Triage when Operating Rooms and Recovery Room is available for more patients.
  7. Keep minimum list of supplies on hand be prepared to process additional sterile supplies quickly.
  8. Notify anesthesiologists who will maintain adequate anesthesia and drug supplies.
- i. Housekeeping**
1. Know current empty bed count and number of personal available who could assist in other units. Send number to Common Center.
  2. Remain in your unit until notified differently.
  3. Will make wheelchairs/trolleys available.
- j. Hospital Health & Safety Unit**
1. Head or designee will called In their own personal has needed after reporting to Common Center and staff holding area.
  2. Head will send designated personal to Triage with wheelchairs to hold in ED waiting room until needed.
- k. Medical imaging**
1. Day shift;
    - a. The department head or designee will find out the number of patients involved and any other pertinent information from the Common Center.
    - b. The department head or designee will be responsible for calling in any and all personal needed to sufficiently handle the patient load.



2. Evening shift:
  - a. The Radiologist on duty or on call for the Radiology department will be alerted by the Emergency Medical Officer on duty. This Radiologist will be considered the designee of the x-ray department and will report to the information center for further information.
  - b. It will be the duty of this Radiologist to call in extra help has needed. All extra help called in will report directly to Radiology.
- I. Laboratory**
  1. Department Head or designee will call in their own personnel as needed after reporting to Command Center.
  2. Call personnel from near by hospitals and clinic as necessary .
  3. Have arrangements made to obtain additional blood, equipment and supplies from area agencies.
- m. Materials management – purchasing**
  1. Department Head or designee will call in their own personal as needed after reporting to Command Center.
  2. Be prepare to supply all departments with needed supplies.
  3. The Medical Superintendent will designate assistant to supply runners or volunteers to deliver supplies.
  4. Have a an up-to-date list of suppliers who can quickly supplies extra materials.
- n. Pharmacy**
  1. Report to Command center, then remain in department.
  2. Have list of Drugs supplies that can provide emergency supplies quickly
  3. Keep minimum supply of emergency drugs on hand at all times.
  4. Pharmacy remain open and have a runner to deliver to needed medicines to areas.
- o. Physical Therapy**
  1. Department head or designee will call in their own personal as needed after reporting to Common Center.
  2. Be prepared to accept walking wounded victims.Be prepare to provide assistance to Nurses as needed.
  3. Request a runner from common Center has needed.
- p. Social Services**
  1. Report to the Commander Center and be prepared to stay with relatives of victims in Hospital Lobby.
  2. Will provide Command Center with a list of the family member that is here.
- q. Public and Media Relations**
  1. The Medical Superintendent will be responsible for the all public and media relations affairs. They will call in the required personnel for assistance as needed after reporting Command Center.
  2. Be prepared to call in volunteers to serve.



**r. Security**

1. Report to Command Center.
2. Assist staff as needed.

**s. Infection control**

1. Report to Command Center
2. Be prepared to assist in pharmacy as needed

**t. Nursing personnel Assigned to Disaster Victims**

1. Obtain Information and fill out available information and time on disaster tags. Even if no information is available as to identity, give information as to condition, types of injuries, etc.
2. BE SURE disaster tag is made available to Medical Records with pertinent information.
3. **DO NOT** leave your patient unattended. Patient may be signed off to person when admitted to a unit.
4. Give aggressive first aid treatment.
5. Make out the appropriate lab slips and x-ray requirements with disaster number. It is essential that they have these slips made out.
6. Patients who have been admitted to the hospital should have the information slips Place with the Command Center in the Emergency Department.
7. If patient is transferred, be sure to indicate on the tag to which hospital he has been sent.
8. If a patient is admitted to our hospital, be sure and send all oxygen equipment to his room with him.
9. Sign Disaster tags.

**u. Medical Records**

1. Department Incharge or designee will in their own personnel as needed after reporting to the Command Center.
2. Assign person to be responsible for maintaining casualty lists and assist with paperwork as needed at Command Center.
3. Supply extra form as needed.
4. Be responsible for releasing information to the press after the families of victims have been notified.

**v. Plan Development and Maintenance**

This Disaster plan was developed by the Hospital safety Committee and with the cooperation of all Department in the Hospital.

All the Department are responsible for maintaining an up-to-date Disaster manual and notifying the Hospital Safety Committee of changes in their Departments.

This plan will be update annually or as changes in departments occur.

Mock drill will be undertake once in every six months to test the adequacy of the plan this will help the hospital safety committee to assess the utility of plan and introduce desired changes as per the demand of the situation.



**CONTACT PERSONS FOR HOSPITAL DISASTER MANAGEMENT PLAN**

| Sl. No. | Name                      | Designation                    | Contact Nos              |
|---------|---------------------------|--------------------------------|--------------------------|
| 1.      | Swami Vishweshananda      | Secretary                      | 9774076214<br>9436639142 |
| 2.      | Swami Pradiptananada      | Asst. Secretary                | 9436040453               |
|         | Swami Priyatamanada       | Member                         | 0360-2212761             |
| 3.      | Swami Mukteshananda       | Member                         | 7044071433<br>7977496316 |
| 4.      | Dr. K. Zaman              | Medical Superintendent         | 9436040079               |
| 5.      | Smti. Tapasi Pandit       | Deputy Matron                  | 9436050296               |
| 6.      | Smti. Rikta Bhattacharjee | Deputy Matron                  | 9436632168               |
| 7.      | Shri. Krisnodaya Das      | Office Manager                 | 9436258899               |
| 8.      | Shri. Rajbahadur Sonar    | PRO                            | 8259001981               |
| 9.      | Smti. Moromi Boraj        | Ward Incharge                  | 8575201025               |
| 10.     | Smti. M. Topono           | Ward Incharge<br>Casualty Ward | 8415080817               |
| 11.     | Smti. Ira Dasgupta        | Ward Incharge<br>Male ward-I   | 9436634630<br>9774980930 |
| 12.     | Smti. Aleymma Thomas      | Ward Incharge<br>male ward-II  | 9436896226               |
| 13.     | Smti. Sarjuebala Devi     | Ward Charge<br>female ward-I   | 7308715700               |
| 14.     | Smti. Moon chakraborti    | Ward Incharge<br>Female ward-I | 9436897231               |
| 15.     | Smti. Rupa Devi valmiki   | Ward Incharge<br>Dialysis Unit | 9402997751               |
| 16.     | Smti. Arunima Baruah      | OT Incharge                    | 9615511032               |
| 17.     | Smti. Anita Bagat         | Ward Incharge<br>OBS ward      | 9862692995<br>9862841274 |
| 18.     | Smti. Tapasi Dey          | Ward Incharge<br>NICU          | 7005195940               |
| 19.     | Smti. Namita chowdry      | Ward Incharge<br>Pediatic ward | 9402997889               |

**HOSPITAL DISASTER MANAGEMENT PLAN**  
**Tomo Riba Institute of Health and Medical Science**

**HOSPITAL DISASTER MANAGEMENT COMMITTEE:**

| Sl. No. | Name/Designation                                | Official Address | Contact no.                                | Role                    |
|---------|---|------------------|--|-------------------------|
| 1.      | <b>Nodal Officer</b><br>Dr.H.Ambing, CMS        | TRIH&MS,NLG      | Mobile:9436040492<br>Landline:0360-2351998 | Overall management      |
| 2.      | <b>Alternate Nodal Officer</b><br>Dr.T.Taki,Dy. | -do-             | 9436054038                                 | To assist nodal Officer |
| 3.      | Dr.K.Ete Sr.Biochemist                          | -do-             | 9774041566                                 | -do-                    |



**Incident Command System:-** The team will be responsible for providing of control, direction and coordination of emergency response operation are as follows:-

| Sl. No. | Name and Designation               | Address & contact number   | Remarks  |
|---------|------------------------------------|----------------------------|--|
| 1.      | Dr.K.Mossang,SMO(SG)               | TRIH&MS,NLg.<br>9436044565 | She will be overall Incharge of quick response team at the site    |
| 2.      | Dr.T.Doke, Surgical Splst,         | 9436043101                 | Member to assist the incident commander.                           |
| 3.      | Dr.T.Taggu, Sr. Dental Surgeon,    | 9436288735                 | Member   |
| 4.      | Dr.T.Lollen,Sr. Dental Surgeon,    | 9436044480                 | Member   |
| 5.      | Dr.Hage Tayo, S.M.O.               | 8794656194                 | Member   |
| 6.      | Smti S. Miukherjee, A/Matron       | 9862855346                 | Member to assist the incident Commander in providing nursing Care. |
| 7.      | Smti T.Riba, A/Matron,             | 9402221594                 | Member   |
| 8.      | Smti M.Pertin, S/Nurse             | 8119876215                 | Member   |
| 9.      | Smti Y.Gondo, S/Nurse              | 8794751872                 | Member   |
| 10.     | Smti T.Bam, ANM                    | 9402410089                 | Member   |
| 11.     | Shri Gomm Riba, Lab, Techn.        | 9402465098                 | To co-ordinate Laboratory Services,                                |
| 12.     | Smti Tai Niku,Pharmacist,          | 9612854387                 | To assist to Drugs Dispensing.                                     |
| 13.     | Shri R.Singh,S/K                   | 9402234341                 | To assist supplies, finance and crowd management.                  |
| 14.     | Smti P.Purkayastha, H/A            | 7005328421                 |  |
| 15.     | Shri M.Rahman, Vechicle/Driver I/C | 9862709467                 |  |

**Services or specialized skill that can be provide by the TRHI&MS Hospital, Naharlagun.**

1. GeneralSurgery.
2. Orthopedic Surgery.
3. General Anesthesia.
4. Operation Theater,
5. Blood Bank
6. I.C.U
7. Burns Unit.



**ACTIVITIES BY THE DEPARTMENT:-**

| Pre disaster                               | During Disaster   | Post Disaster  |
|--|---|--|
| Issue alert message to quick response team | 1.Despatch quick response Team with manpower and Ambulance to the field | 1. Triage.<br>2. Alert all doctors/ sisters/ supporting staffs, medical staffs, Blood Bank and O.T.<br>3. Referral to higher center. |

**Resources Inventory:-**

| Sl.NO. | Resources                                | Qty in Numbers  | Availability Location   |
|--------|--|---|-------------------------|
| 1.     | Manpower                                 | Gen. Surgery :- 5<br>Orthopaedic Surgery :- 4<br>Anaesthesiologist :- 04<br>O.T.Nurses :-10   | TRIH&MS,Nlg.            |
| 2.     | Services                                 | Emergency bed :15<br>Total Be Strength:- 250 Nos.<br>Emergency O.T.: -24X7<br>Blood Bank:-24X7  | TRIH&MS,<br>Naharlagun. |
| 3.     | Material                                 | Basic requirement for Emergency medical and surgical cases and emergency operation. Blood Bank facilities with average stock blood of :-45 Units. | TRIH&MS,<br>Naharlagun. |
| 4.     | Equipments                               | Basic requirement for emergency medical and surgical cases and emergency operations.  | TRIH&MS,<br>Naharlagun. |
| 5.     | Ambulances                               | 1)Critical care Ambulance :-02 Nos.<br>2)Mobile medical Unit :- 01<br>3)Basic Emergency care Ambulance:- 03                                       | TRIH&MS,<br>Naharlagun. |
| 6.     | Any Other special materials if available | ICU with all modern facilities exists at present.   | TRIH&MS,<br>Naharlagun. |

| Sl. No. | Name of the wards in details under TRIH&MS, Nlg.  | Contact numbers.       |
|---------|---|------------------------|
| 1.      | Causality/ Emergency wing/Ambulance   | Land Line.0360-2246677 |
| 2.      | Operation Theater (OT)  | -do-0360-2247321.      |
| 3.      | Male ward   | -                      |
| 4.      | Female ward   | -                      |
| 5.      | Child ward  | -                      |
| 6.      | Gynae   | -                      |
| 7.      | Surgical Ward Male and Female   | -                      |
| 8.      | Causality ward  | -0360-2246677.         |
| 9.      | Ambulance I/C Shri Rahman, TRIH&MS, Nlg. Near DME(T&R) Office Complex, Nlg. B. Sector, Nlg. | -9862709467.           |





## CHAPTER –VII

### STANDARD OPERATING PROCEDURES (SOP) AND PREPAREDNESS CHECKLIST FOR ALL DEPARTMENTS AGENCIES

All the actions mentioned above are to be carried out by various departments / agencies to prevent any disaster and to minimize its affects. It is necessary that all the departments have well-defined standard operating procedures and preparedness checklists. The Deputy Commissioner must circulate the standard operating procedures among the departments / agencies and ask for compliance of the preparedness measures in the District Disaster Preparedness Authority meetings. It is absolutely important that all the departments / agencies are very familiar with the overall plan and the procedures specifically applicable to them and report diligently upon their implementation.

Standard Operating Procedures should be modified/updated and improved upon in light of changing circumstances. The District Magistrate should encourage all the departments to suggest changes in these procedures with a view to enhance the effectiveness of the District Disaster Management Plan. The Standard Operating Procedures (SOPs) of various departments at district level are given as under:

#### 7.1 SOP: District Administration

In-charge Officer: Deputy Commissioner, Capital Complex

##### **Preparedness**

- Convene the meetings of District Disaster Management Authority.
- Update the District Disaster Management Plan.
- Maintain and activate the District and Sub-divisional Control Rooms.
- Check upon inventory of resources.
- Check the supplies of food grains through the Public Distribution System.
- Prepare a list of relief items to be distributed.
- Prepare a transportation plan for supply of relief items.
- Prepare an evacuation plan for the villages which are marooned / devastated.
- Prepare a list of transit / temporary shelters, and check upon their suitability for accommodating people.
- Convene meetings of NGOs, and assign them specific responsibilities for relief, recovery and rehabilitation.
- Constitute / activate Village-level Preparedness Authorities with the help of PRIs, local NGOs and District Administration.
- Coordinate with Police, SDRF, CRPF, and NDRF 12<sup>th</sup> Bn for support towards rescue, evacuation and relief during and after disaster.



## 7.2 SOP: Police

In-charge Officer: Superintendent of Police, City

### Preparedness

- Prepare a Deployment Plan for the Police force, based on the needs of the most vulnerable areas. Maintain a list of disaster prone areas in the district.
- Ensure that a sufficient number of police force is available for responding to any disaster.
- Constitute 'Search & Rescue' Teams from the Police force, and arrange training for these units.
- Establish coordination with the Fire & Emergency Services.
- Check the wireless communication network, and secure additional wireless sets for deployment during a disaster.
- Check communication links with the District, Sub-Divisional and other police Control Rooms.
- Keep the police vehicles and equipments in readiness for deployment of the police.
- Identify anti-social elements in the area and take appropriate preventive steps to ensure smooth response and relief operations.

## 7.3 SOP: Water Resource Department (WRD)

In-charge Officer: Executive Engineer, WRD Yupia-Itanagar Div.

### Preparedness

- Prepare and update the flood risk map. The map should show the river system, nalas, embankments and irrigation structures. Distribute the copy of maps to all the control rooms.
- Prepare a contingency plan for the maintenance and repairs of Bunds and embankments.
- Assign 'Beat' to Junior Engineers and other functionaries of the Irrigation Department. Prepare a duty chart for In-charge Junior Engineer. Make available the list of In-charge Junior Engineers to District / Sub-divisional Magistrates, and all the control rooms.
- Make a physical inspection of all the embankments after the last floods for seepage, piping, rat holes and assess needs for repairs and reinforcement. Identify Bunds, which are critical for flood protection and control.
- Prepare a list of critical Bunds/embankments, which need repairs and reinforcement after the last floods. Submit a list of these Bunds/embankments to the District Magistrate and the state government, and ask for necessary financial allocation.
- Commence repairs of Bunds/embankments in the month of January every year after surveying the damages of floods last year, and ensure that all the repairs are completed in the month of March.
- Provide special attention to those places where the Bunds/embankments were breached and repaired during the last floods. These are the Bunds, which will be threatened first, when the floods approach.
- Undertake channel improvement for rivers and nalas. Undertake de-silting / cleaning of Nalas and canals to improve the flow of water.



- Check all the siphons and regulators on the Bunds /embankments and canals. Clean siphons before the monsoon. Increase their capacity or replace them if the size of siphons and regulators is too small to prevent water from flowing in.
- Check all the rain-gauge stations and ensure that they are functioning properly. Check that the readings from these stations are available immediately to the Water Resource Department. Prescribe a register for recording of rainfall.
- Set up the protocol for reporting of flood situation to the District Magistrate / District Control Room.
- Keep in readiness essential tool kits and protection material at critical places for emergency deployment. These may include:
  - Empty cement bags
  - Boulders
  - Ropes
  - Sand
  - Wire mesh
  - Shovels
  - Baskets
  - Lights
- Inform the district administration of the places where these materials have been stored.

#### 7.4 SOP: Health Department

In-charge Officer: District Medical Officer, Capital Complex

##### **Preparedness**

- Prepare a health contingency plan for the district. It should include a list of civil hospitals, primary health centers and sub-centers, and medical personnel. The contingency plan should also include the details of hospitals and medical practitioners in the private sector.
- Constitute mobile health units consisting of a doctor, health workers and ANMs, and prepare a deployment plan. Each mobile health unit may cover a number of villages.
- Determine types of injuries / illnesses expected. In case of floods, it should mostly be cases of drowning, snake bites, and water-borne diseases.
- Undertake vaccination in the villages most vulnerable to floods.
- Secure medical supplies in adequate quantity for dealing with these situations, which may include:
  - Oral Rehydration Solutions
  - Chlorine Tablets
  - Bleaching Powder
  - Anti-snake Venom
  - Anti diarrheal and Anti emetic Medicines
  - Intravenous fluids
  - Suture Materials



- Surgical Dressings
- Splints & Plaster Rolls
- Disposable Needles and Syringes
- Local Antiseptics
- Ensure adequate supplies of blood in the district.
- Keep one operating facility in each block in readiness. Maintain all the equipment necessary for operations.
- Prepare a maternity facility for pregnant women in every block.
- Seek mutual aid arrangement with civil and military hospitals in the district.
- Arrange provision of clean water in hospitals and Primary Health Centers.

### 7.5 SOP: Agriculture Department

In-charge Officer: Dy. Director of Agriculture, Capital-Yupia.

#### Preparedness

- Ensure that certified seeds of required varieties are available in adequate quantities. The Agriculture Department should work with National Seeds Corporation and other suppliers and ensure availability at their depots or have agents appointed for the same.
- Print and widely distribute the list of points where certified seeds are available along with names of varieties and rates. Notices may be affixed at public places such as bus stands, on buses themselves, PHCs, Block headquarters, etc.
- Suggest variety of seeds and cropping pattern, which can cut losses and reduce the risks to farmers.
- Develop a pest and disease monitoring system so that timely steps can be taken to reduce damage to crops.

### 7.6 SOP: Animal Husbandry/Veterinary

In-charge Officer: District Veterinary Officer, Capital Complex

#### Preparedness

- Prepare a list of flood-related diseases that are preventable by vaccination. Publicize the information about common diseases afflicting livestock and the precautions that need to be taken.
- Assist the District Administration in preparing plans for cattle camps and cattle feeding centers.
- Organize vaccination campaigns in flood-prone villages before, during and after the floods.
- Prepare kits for veterinary diseases, which could be provided to veterinary doctors at the block level and Extension Officers at the village level. Kits can also be provided to the private veterinary doctors.



### 7.7 SOP: PHED

In-charge Officer: Executive Engineer, PHED, Capital Complex.

#### Preparedness

- Increase the height of pipe by adding a pipe of 3 to 10 feet. It helps extract clean drinking water during the floods.
- Keep raw materials in readiness and install them as soon as any fault is detected.
- Rain water may be harvested during rainy season for alternative drinking water during flood.
- Keep the water tanker in running condition.
- Deploy colony-wise Mate and other staff to immediately attend any kind of fault.

### 7.8 SOP: Forest Department

In-charge Officer: Divisional Forest Officer, Capital.

#### Preparedness

- Allow the transportation of fodder from forest areas, when the fodder is not freely available.
- Provide wooden poles and bamboo for relief and reconstruction at subsidized rate. Provide these materials to all the technical departments, which need them.

### 7.9 SOP: Public Works Department

In-charge Officer: Executive Engineer, PWD CD-A/CD-B/Naharlagun.

#### Preparedness

- Maintain all the highways and access roads, which are critical from the point of view of supplying relief.
- Timely check water logging on main road and get it carpeted before monsoon season.
- Deploy laborers over the bridge and drains to supervise and remove water-logging.
- Construct / reinforce the connecting roads from villages to roads, canals and Bundhs/ embankments.
- All equipments ie, Bulldozers, Crane, Truck etc. must be checked and keep in readiness for use during disaster.
- Check and repair all the drainage systems in the rural and urban areas before the monsoon season.

### 7.10 SOP: Power Department

In-charge Officer: Executive Engineer, Power Naharlagun/Itanagar Div.

#### Preparedness

- Protect Power Stations from water logging. Raise the height of compound walls. Arrange gunny bags. Install pump sets for draining water.
- Check the electrical lines on a continuous basis. Deploy men and vehicles on every Saturday to clear jungles.
- Take special care to ensure that all the critical facilities like hospitals, Control Rooms, etc. continue to get power and they are functional.



- Proper load shedding schedule must be maintained.

### 7.11 SOP: Transportation

In-charge Officer: District Transport Officer, Capital Complex

#### **Preparedness**

- Prepare a list of vehicles—trucks, buses, MUVs and SUVs in the district and provide the list to the District Control Room.
- Provide Tata Sumo and other vehicles for mobile health and animal husbandry teams.
- Provide trucks, buses and Sumos for evacuation and relief supplies.
- Issue standing instructions to the Suptd of APST for providing buses for evacuation and relief.

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