

Session 10:

Safeguarding Communities in Flood Management

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NATIONAL DISASTER RESPONSE FORCE



- Raised in **Jan 2006**
- 16 Battalions approx. 18000 rescuers
- Spread across 44 locations in the country
- Mandated to respond for all natural and manmade
 disasters
- Deployed internationally also Japan (2011), Nepal (2015) & Turkiye (2023)



Specializations of NDRF



USAR *Urban Search & Rescue*



CBRN
Chemical Biological
Radiological & Nuclear
Emergency



MFR *Medical First Responder*

ADRC Aquatic Disaster Response Course



School Safety Programme



Mountain Search & Rescue



Deep Diving Search & Rescue



Avalanche Search & Rescue





Equipment & maintenance



CADRE
Community Action
for Disaster
Response



Canine Training



NDRF PREPAREDNESS FOR FLOODS



i. Coordination with flood prone States and other stakeholders.

Annual Pre-monsoon Relief Commissioners Conference Annual SDRF Conference

- ii. Pre-positioning Plan in consultation with the respective flood prone states.
- iii. Conduct recce of flood prone areas.







NDRF PREPAREDNESS FOR FLOODS



iv. Training of Rescuers + Fitness.





v. Preparation of equipment.







NDRF PREPAREDNESS FOR FLOODS



- vi. Training of Volunteers & Other stakeholders.
- vii. Conduct Community Awareness Programmes, School Safety Programmes.







COMMUNITY AWARENESS PROGRAMME























Mock Exercise











DURING FLOODS



NDRF ACTIONS DURING FLOODS



- i. Keep close watch over the forecast.
- ii. Coordination with administration.
- iii. Conduct rescue/evacuation
- iv. Establish Medical Camps
- v. Assist in relief









POST FLOODS ACTIVITIES



- i. Review of flood affected areas.
- ii. Conduct medical check up of rescuers
- iii. De-mobilization
- iv. Debriefing and documentation of learning
- v. Counselling of rescuers









CASE STUDIES



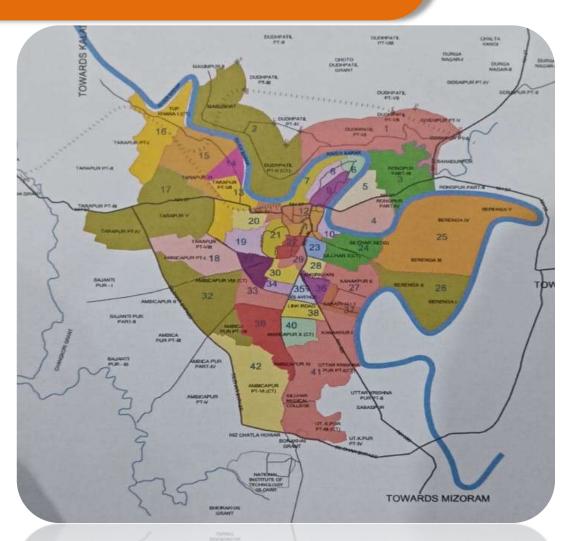
Silchar Floods - 2022



Brief on Silchar



- > **Silchar** located 420 kms. SE of Guwahati, capital of Assam state.
- > Surrounded on three sides by Barak river and adjoining river Ghagra, flows in the west of the city.





Early Warnings & Advisories



- 1. IMD predicted extremely heavy rainfall
- 2. Forecast of flood and landslides
- 3. Advisories issued to public
- 4. **Evacuation** from vulnerable locations to the nearest relief camps or school/community buildings for shelter.



Pre Disaster and Post Disaster













Reasons for Flooding



- 1. Unprecedented Heavy Rainfall: It was highest in last 10 years.
- 2. **Sudden Rise in Water Level:** River flowed above Danger Level for 13 days w.e.f. 19th June, 2022.
- 3. Breach of dyke
- 4. Human Activities
- 5. Geographical Location



Preparedness



- 1. State & district disaster management authorities had made Flood Contingency Plan / Disaster Management Plan
- 2. **SDRF & NDRF** Teams Deployed Proactively
- 3. Flood Preparedness Meetings held Co-ordination ensured
- 4. Resource Mobilisation
- 5. Whatsapp Groups of all the stake holders ensuring prompt response
- 6. Dissemination of Weather Alerts several times a day
- 7. **Evacuation** from vulnerable areas



Response to Flood



- 1. Flood Rescue Operation conducted in two phases:
 - a) 1st Wave of Floods 14th May to 20th May, 2022 and
 - b) 2nd Wave of Floods 19th June to 30th June, 2022.
- 2. District Emergency Operation Centre
- 3. Dedicated landline and mobile numbers, along with VHF sets and Satellite Phone.
- 4. Resources involved Rescue Boats SDRF, NDRF, CRPF, Army + Country Boats
- 5. Large number of **pump sets and ambulances**
- 6. 292 Relief Camps and 129 Relief Centers



AIR LIFTING OF NDRF TEAMS













Challenges in Rescue Operation



- Maneuvering of Boats narrow lanes
- > Large Scale Power Outrage affecting mobile communication network.
- ➤ **Huge No. of Distress Calls** Responding was a big task. Sometimes different boats from different agencies reached the same spot.
- **Distribution of Packaged Drinking Water -** Supply of relief materials to the people sheltering in buildings by boats (24X7) was a challenge.
- Mobilization of Resources delayed due to Landslides



GLIMPSES OF OPERATIONS













GLIMPSES OF OPERATIONS













RELIEF DISTRIBUTION













What was useful



- ✓ Disaster Management Plans For State and Districts
- ✓ Telecommunication System with provision of extra batteries
- ✓ Use of SMS Gateway system for alerts
- ✓ **Lighting Arrangements** for Prolonged Operations.
- ✓ Dedicated Workshop for repairing of OBMs and Rubber Boats.
- ✓ Awareness Campaign and Training to the vulnerable sections of society.
- ✓ **Training of volunteers** for disaster response Aapda Mitras, E-content



What was useful



- ✓ **Mock Exercises** every district covered once in 3 year
- ✓ Central Database on resource availability India Disaster Response Network
- ✓ Planned proactive deployment + extra teams flown in
- ✓ Advance survey of embankments and repair works
- ✓ **All Weather Helipads at** strategic locations
- ✓ **Incident Response System** Unity of command at local level
- ✓ Call Centre with web based information on re-habilitation /re-location of relatives/family members







Thank

You