

Odisha Disaster Risk Reduction Strategy

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Odisha's Focus on

- Multi-hazard DM Planning and Implementation
- Facilitating restoration of damaged infrastructure
- Upgrading emergency response mechanism
- Strengthening disaster preparedness through

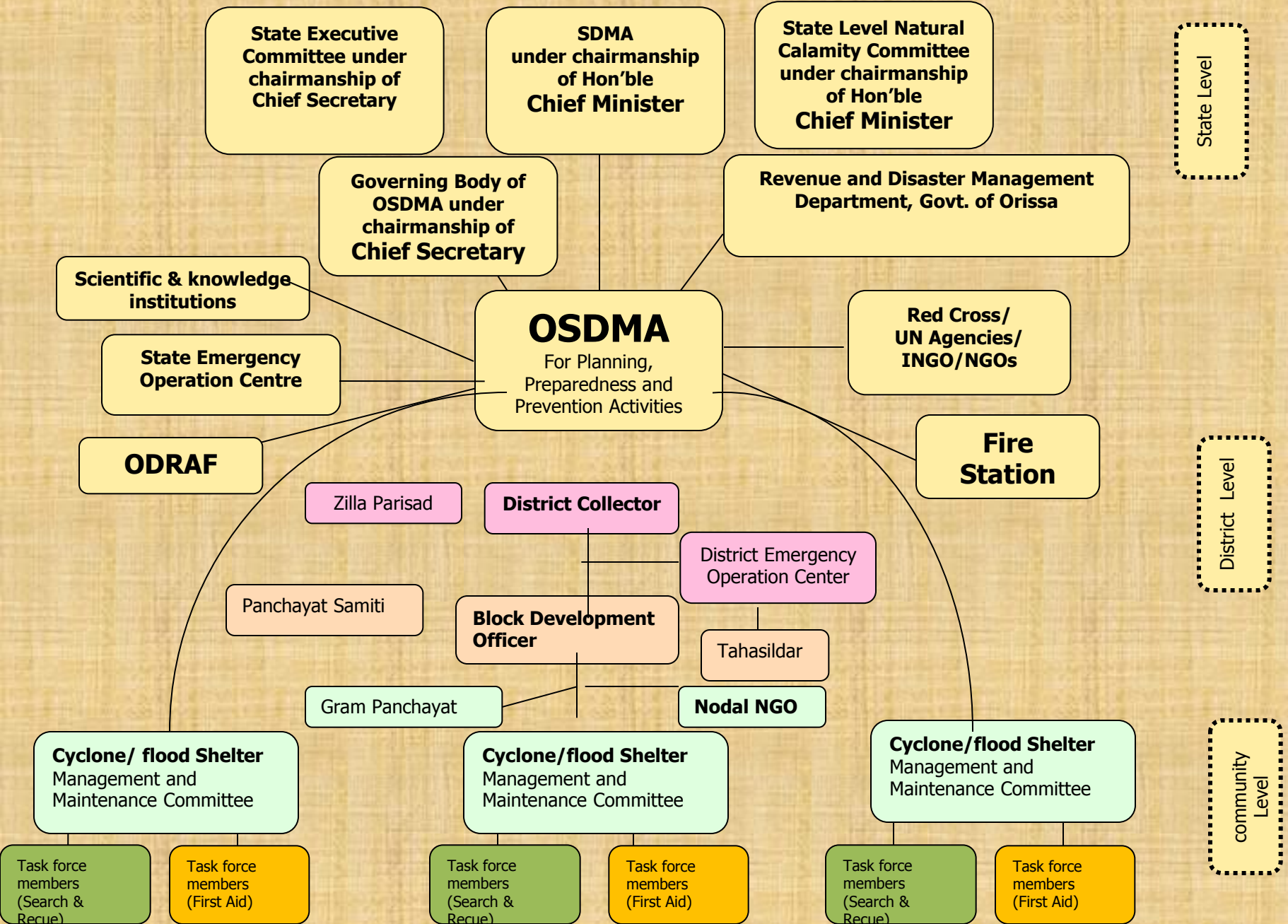
Awareness Raising

Capacity Building

Policy and Planning Initiatives

Coordinating Multi-Stakeholder & Multi Dimensional DM Initiatives

Network



Post super cyclone Preparedness initiatives

- Multi-purpose cyclone and flood shelters
- Multi layer Communication system
- Specialized response forces
- Policy Planning initiatives
- Capacity building
- Community Based Disaster Management
- Application of technology in DM

Multipurpose cyclone and flood Shelters

Real Institution

- Robust buildings with pile foundation going up to 40 ft under ground
- Designed by IIT, Kharagpur
- Location decided by Grid Analysis technique
- Generator , drinking water facility
- Separate halls & toilet facilities for men and women
- Ground floor for domestic animals

Virtual Institution

- Managed by CSMMC (community based institution)
- 34 types emergency equipment provided
- Task force members for Search & Rescue (SAR) and First-Aid (FA)
- Used as community hubs for DM



Multi-purpose cyclone shelter



Multi-purpose flood shelter

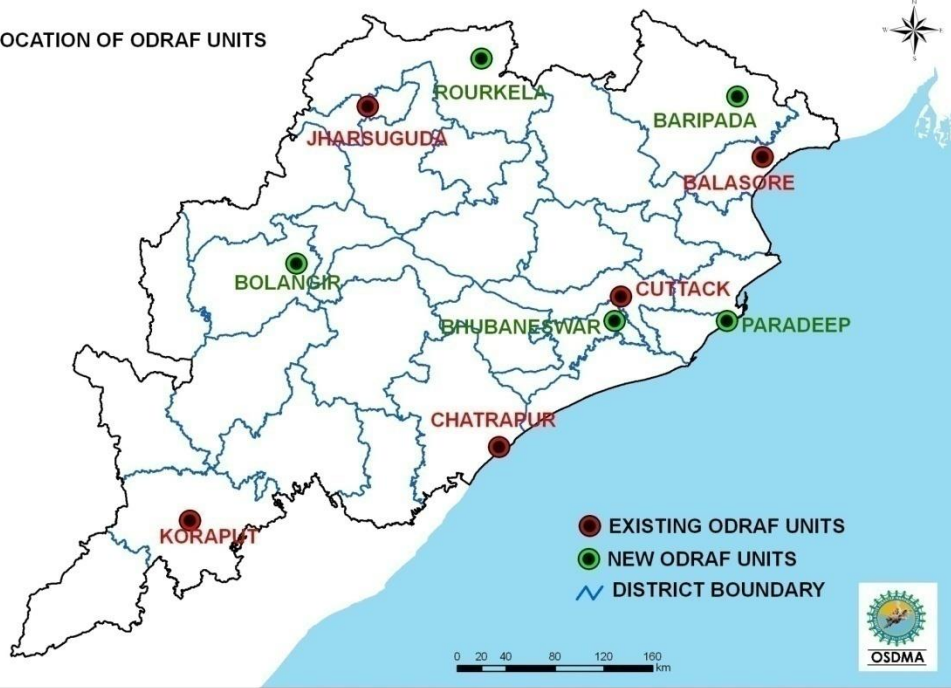


School-cum-Shelter



Persons with disability friendly toilet in MCS

LOCATION OF ODRAF UNITS



ODRAF

- 6th Battalion, OSAP, Cuttack
- 3rd Battalion, OSAP, Koraput
- 2nd Battalion, OSAP, Jharsuguda
- 8th Battalion, OSAP, Chatrapur
- APR, Balasore
- 7th Battalion, OSAP, Bhubaneswar
- APR, Jagatsinghpur at Paradeep
- 4th Battalion, OSAP, Rourkela
- 5th Battalion, OSAP, Baripada
- APR, Bolangir
- 10 more ODRAF units to be set up

- About 100 types of emergency equipment provided
- Constituted out of the State Armed Police Forces
- Borne in the Police establishment
- Infrastructure, Equipment, Maintenance, Running cost and Capacity building provided by OSDMA
- Deployment lies with OSDMA and Special Relief
- Structured capacity building by OSDMA through Skill Matrix

COMMUNICATION

- Multi-layer communication system
- State EOC and District EOCs
- Exclusive civil VHF network covering 403 field locations i.e. 30 districts, 314 blocks and some vulnerable GPs set up after 1999 super cyclone
- 31 INMARSAT satellite phones
- HAM training to Volunteers
- 1077 and 1070 toll free numbers
- Presently, civil VHF network and old sat phones dispensed with due to maintenance problems & technological development
- Communication system shifted from terrestrial to satellite based system.
- 60 INMARSAT Isat PRO satellite phones being procured



Disaster Management strengthened with emergency equipment and training

- **10** ODRAF units.
- **135** Multipurpose Cyclone Shelters.
- **50** Flood Shelters.
- **65** Redcross cyclone shelters.
- **100** fire stations.
- **5** Civil Defense units
- Odisha Fire Service Training Institute (OFSTI).
- Biju Pattanaik State Police Academy (BPSPA).
- **30** district 'Emergency Operation Centres (EOCS) , **28** sub divisional EOCS 3 RDC EOCS.
- State port engineering organization (SPO).
- Superintendent of police, Kandhamal, Malkangiri.

Capacity Building

- Training of Officers on Disaster Management.
- Training of College students on Disaster Management
- Training of Civil defence volunteers on CSSR, Crowd Management, Advance Search and Rescue.
- Training of PRI Members, Corporators / Councilors on Disaster Management.
- Training of Shelter level Task Force Members on Emergency Response.
- Training of SHG members, Anganwadi Workers, ASHA on Disaster Management.

School Safety Programme

- Awareness generation among students through wall painting, slogan, essay, cultural show etc.
- Orientation of students of Disaster Management
- Training of Teachers and Parents on Disaster Management
- Preparation of School Safety Plan.
- Training of students on Search and Rescue and First Aid.

Disaster Management Plan

- Hazard Risk Vulnerability Assessment
- State Disaster Management Plan
- Departmental Disaster Management Plan
- District Disaster Management Plan
- City Disaster Management Plan
- Block Disaster Management Plan
- Village Disaster Management Plan

Multi Stakeholder Coordination

- Establishment of Inter Departmental Coordination.
- Preparation of sectoral Plan
- Consultation with agencies/ departments for mainstreaming Disaster Management in development plan and Programme.

Mock drill

- Mock drills organised on 19th June every year in all cyclone shelters involving community, CSMMC, district administration and other stakeholder, ODRAF and Fire Service participation
- Response drill in the eve of approaching cyclone.
- Joint mock drill of ODRAF with stakeholders like NDRF, State Fire Service, East Coast Railway (ECoR)



Reconstructing resilience

- 162 multipurpose cyclone shelters
 - Each 3000 sft plinth
 - 2000 million INR investment
 - Strengthening disaster resilience and community cohesiveness
- About 150 km of all weather roads connecting cyclone shelters to main roads
- 256 flood shelters with assistance from CMRF & Government
- 30,000 disaster resilient housing for cyclone affected people
 - Owner Driven Construction of House (ODCH)
 - Beneficiary selection through Palli Sabha
 - 254 sft two roomed house with toilet, kitchen and verandah
 - 1000 sft of homestead land
 - Concrete internal roads with drainage
 - Piped Water Supply and electricity
 - 4 tier grievance redressal system from Community level to State.
- Disaster resilient living with dignity

Thanks