

GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF REVENUE & DISASTER MANAGEMENT
PUDUCHERRY STATE DISASTER MANAGEMENT AUTHORITY (PSDMA)

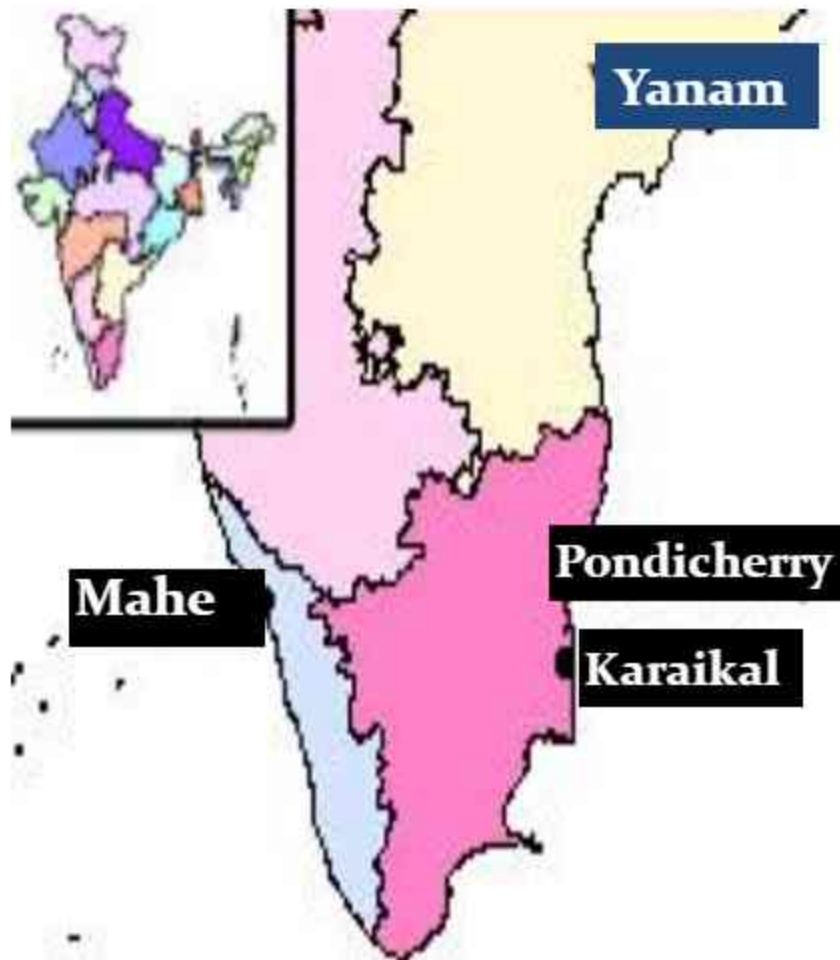
NDMA

**Regional SDMAs and Institutions Conclave of
Coastal and Island States/UTs**

Date : 8th & 9th March, 2022

Venue: Chennai, Tamil Nadu

Puducherry – location and constituents



Area : 490 sq. km.
(PDY -294, KKL – 157, MAHE -9, YNM-30)

Population
2011 census : 12,47,953
2021 Projected : 16,08,849

Districts: 2
Rev. villages : 129
(PDY - 81, KKL – 37, MAHE - 5, YNM-6)
Municipalities : 5
Communes : 10

Coast Line : 45 km.
Puducherry : 24 km.
Karaikal : 26 km.
Mahe : 01 km.

Disasters Faced by the UT of Puducherry

- **Cyclones**
- **Floods / Urban Flood**
- **Tsunami**
- **Heavy & Very High Rain Fall**
- **Fire/Industrial/Chemical/Road Accidents**

Present Scenario and Emerging Disaster Risk

- **Puducherry is a multi-hazard prone district.**
- **It is highly vulnerable to Cyclone, Flood / Heavy Rainfall, Tsunami, Fire, Industrial & Chemical hazards.**
- **The drainage is poor and the encroachments have lead to a scenario where, even rainfalls, which are slightly above normal Rainfall can cause floods, disrupting the normal course of work.**
- **Puducherry being coastal area High Tide affects storm water receeding**
- **Perennial problem of low water carrying capacity of the lakes.**

RISK PROFILE

| Name of District | Flood | Cyclone | Strong Wind | Tsunami | Drought | Industrial Chemical hazard | Fire hazard | Epidemics | Land slide |
|------------------|----------|----------|-------------|----------|----------|----------------------------|-------------|-----------|------------|
| Puducherry | Moderate | High | Moderate | High | Low | Moderate | Moderate | Low | Low |
| Karaikal | High | High | Moderate | High | Moderate | Moderate | Moderate | Low | Low |
| Yanam | High | High | Moderate | Low | Low | Moderate | Low | Low | Low |
| Mahe | Low | Moderate | Low | Moderate | Low | Low | Low | Low | Moderate |

Institutional Arrangements

- **SDMA – Notified**
 - Chairman – Hon'ble Chief Minister, Puducherry
- **SEC - Notified**
 - Chairman – Chief Secretary, Puducherry
- **DDMA – Puducherry / Karaikal**
 - Chairman – Respective District Collectors
- **State and District Disaster Response Funds constituted**
- **Nodal Department - Dept. of Revenue and Disaster Management**

Updated Status on SDMP/DDMPs

- DDMP is revised every year
 - Latest revision on Oct - 2021
- SDMP revision is under process
- State DM Policy
 - Draft under discussion and vetting
- SAPCC (State Action Plan on Climate Change)
 - SAPCC already completed and ver 2.0 under process
- SOPs for ESFs / Line Departments available – revised periodically

Implementation of NDMA Projects / Schemes

- Implementing - CAP (Common Alerting Protocol)
- Online Training, Hands-on Training, Mock Drill Conducted
- Implementing - **ERSS & Ext. ERSS – 112 extended to disaster calls.**
- Sendai Framework for Disaster Risk Reduction
- Implementing – Aapda Mitra Scheme
State Level and District Level Nodal officers designated
Fire Services Department: Identified as the State Level Training Institute
As per the scheme, 500 community volunteers will be trained
- **Implementing – Civil Defence**
– Volunteers trained and engaged during disasters

Sendai Framework for DRR

- Implementing SFDRR
 - **Progress and Achievements**
 - Facilitating Govt. Depts & Districts in preparation of their Departmental DM Plan
 - Coordinating Mock Drills, compiling reports, compiling data during disasters, help in organization of workshops with districts
 - Compiling & timely furnishing of data & information to NDMA on disaster aspects, implementation of NDMA Schemes & SF Monitoring indicators
 - Enhancing disaster preparedness for Effective Response
 - Organizing Training & Capacity Development Activities in all the regions of the UT
 - Help in setting up of the Disaster Data Base
 - Assist the SDMA in indentifying opportunities for MDRR in development programmes.

Progress & Achievements : SFDRR

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Status of State Disaster Response Force

- Constitution of SDRF - under progress
- NDRF – 4th Battalion, Arakkonam – rendering assistance in all relief and rescue operation
(Puducherry, Karaikal and Mahe). / NDRF – 10th Battalion, A.P – (Yanam)
- NGOs involved DM Activities.

Status of IRS

- IRS followed in all disaster response activities
- IRS training being imparted to all ESFs / Line Depts.
- Orientation on IRS for all Govt. Officials

DRR Initiatives in Puducherry

- **COASTAL DISASTER RISK REDUCTION PROJECT (CDRRP) is the most important among all DRR initiatives**
 - Reducing the vulnerability of coastal communities to a range of hydro-met & geophysical hazards such as cyclones, storm surges, floods, tsunami etc.
 - Building resilient infrastructure,
 - Enhancing livelihood
 - Coastal Risk Management Capacity of stake holders and
 - Improving the recipient's capacity to respond promptly and effectively to emergency

VULNERABILITY REDUCTION

- **About 1148 Multi -Disaster resistance permanent owner build in-houses were constructed.**
- **Replacement of overhead with UG cables for 200 Kms**
- **Strengthening of culverts at Puducherry coastal areas.**
- **Re-construction of Mairie building (Heritage Building)**
- **Re-Construction of Nehru Market at Karaikal.**

OLD MARIE BUILDING



COLLAPSED MARIE BUILDING



The Heritage Building was Built during 1870



New Mairie building at Beach Road, Puducherry

Estimate Cost Rs 15.49 Crores

The Heritage Building was Inaugurated by the hon'ble Prime Minister on 25.02.2021



**HT interlink provision for the newly constructed 110/ 11 KV Venkatanagar substation to a part of town (Coastal area of Muthialpet, Solai Nagar, Vaithikuppam and Kuruchikuppam) in Puducherry region.
Estimate Cost ` 16.05 Crores**

Construction of 'Nehru Market at Karaikal'

Estimate Cost Rs 11.50 Crores



Before



Before



After



After

Project Title:
Reconstruction of Nehru Market
Karaikal

Project Implementing Agency (PIA)
Local Administrative Department
Karaikal Municipality
Funded by World Bank

Architectural Consultant:
INTACH Pondicherry

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NEHRU MARKET, KARAIKAL



Before



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Successful Projects on Coastal Disaster Risk Reduction



Nourishment of Puducherry Beach- NIOT

- The project involves carrying out coastal protection measures along the Puducherry Beach near Gandhi Statue to solve the severe coastal erosion problem and restore the beach.
- A hybrid solution with two reefs of which one has already been constructed has restored a vast stretch of the beach, restoring the natural sand over the rock boulders deployed earlier.

Successful Projects on Coastal Disaster Risk Reduction

Nourishment of Puducherry Beach

- The beach nourishment using 3 lakh cubic metres is implemented in two ways.
 - I. Rainbow nourishment for offshore profiles using suction dredger.
 - II. Pipe line nourishment for nearshore profiles using cutter suction dredger. The sand for both the schemes is dredged from port mouth.



Successful Projects on Coastal Disaster Risk Reduction

Nourishment of Puducherry Beach



- The Puducherry government is also planning to cover existing stone walls with 1.5 lakh m³ of sand.
- The Beach is already taking shape near the seawall and with the steady progress of the beach restoration project the city's coastline could soon travel back in time to its sandy past.

Successful Projects on Coastal Disaster Risk Reduction

Nourishment of Puducherry Beach



Completion: Construction of Northern Reef
Beach Nourishment

Under pipeline: Construction of Southern
Reef

Successful Projects on Coastal Disaster Risk Reduction

Nourishment of Puducherry Beach



Successful Projects on Coastal Disaster Risk Reduction

PORDCREKET BEACH

1980's. Beach along the Poduaferry line



Late 1990's. Eroded and Rocky Beach



2017.. New Beach Forming due to Restoration Project



Successful Projects on Coastal Disaster Risk Reduction

Nourishment of Puducherry Beach

Outcomes:

- Protection of Puducherry's shoreline and restoring the natural sand beach of Puducherry.
- Prevention of erosion of beach sand.
- Protection to the economic and social sector from rising seas.
- Mainstreaming climate change resilience into coastal protection and shoreline management through scientific intervention.
- Dissemination of strategic knowledge on application of adaptation measures to protect vulnerable coastal areas.



SKY LIFT / AERIAL LADDER PLATFORM VEHICLE



Sky lift Aerial Ladder Platform, Quick response vehicle spreaders telescopic ram hydraulic IC engine, life detectors Scuba boat

COVID 19 Containment Measures

- **The Government of Puducherry is strictly enforcing COVID appropriate behavior in all areas and regions of the UT**
- **It ensured the compliance of all National Directives for management of COVID and Following MoHFW advisories & guidelines**
- **Risk assessment based approach is followed in all economic activities in all areas and regions of the UT**
- **The Medical and Health Department of the Government of Puducherry undertook wide spread Testing & Surveillance, Clinical Mgmt & Vaccination, which has resulted in Substantial decrease in COVID+ve cases in Puducherry**

COVID 19 Containment Measures

- **The Government of Puducherry followed Risk Based Approach for management of COVID-19**
 - Daily Monitoring of Symptoms & Diseases from all Hospitals/Labs in the entire UT (Pondicherry, Karaikkal, Mahe and Yanam)
 - Early detection of rise in cases in any area/locality
 - Rapid Response teams triggered to detect the source & take corrective & preventive action

COVID 19 Containment Measures

- Since Puducherry is a medical hub with 7 Medical colleges and a number of Nursing colleges, Dental Colleges & para-medical institutions, the Government of Puducherry was able to successfully achieve:
 - Comprehensive Management of COVID and Multi-sectoral & Multi-disciplinary Approach
 - Regular Monitoring & Evaluation
- The Health Infrastructure & Logistics were given utmost importance by the Government

COVID-19 Innovative Measures

- **Communicating with the people**
 - At the level of Incident Commanders in containment zones
 - Distribution of pamphlets containing contact details of different services like Health, Essential supplies, groceries inside containment zones
- **Use of SHGs for ensuring delivery of groceries to people area wise**
- **Establishing and operationalizing a Pulse Oximeter Bank and oxygen concentration Bank**

Gap-Way forward

1. Crop loss every year
 - water / flood resistant varieties
2. Inundation of field – Desilting of channels/
tanks – removal of blockages
3. Fisherman venturing into Sea- Tracking them
– co-ordination with the State Government
4. Funds given – to be revised
Transformer – Gaja Cyclone, NIVAR, Burevi

Contact Details

| Sl. No | Name of the Officials Tvl. | Designation | Mobile | E-mail |
|--------|-------------------------------|--|------------|---------------------|
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Thank You