

## Project Completion Report of NCRMP

### **NATIONAL CYCLONE RISK MITIGATION PROJECT (NCRMP):**

National Cyclone Risk Mitigation Project (NCRMP) was drawn up to strengthen the structural and non-structural mitigation efforts towards reducing the risk and vulnerability of the coastal districts to cyclone-related disasters which was implemented in Odisha and Andhra Pradesh as a Centrally Sponsored Scheme. The central share is being funded by the World Bank as an Adaptable Programme Loan with an International Development Association (IDA) credit. The Financing Agreement of NCRMP between the World Bank and the Government of India and the Project Agreement between the World Bank and the State Government of Odisha were signed on January 14, 2011. The Project Agreement became effective on March 30, 2011 and the project was formally launched on April 25, 2011. Actual project closing period was October 2017 but now it has extended to December 2018. There are four components in this project, such as:

**Component A-** Early Warning Dissemination System (EWDS) – Last Mile Connectivity along the sea coast of six coastal district -100% grants is Central Share (Govt. of India).

**Component-B-** On Structural measures such as construction of multipurpose cyclone shelters (MCS) & Godowns, saline Embankments and Approach roads funded by the Central and the State Governments on the ratio of 75:25. The MCS, Godowns & Approach Roads are executed through Rural Works Department and Saline Embankments through Water Resources Department.

**Component-C-** Technical assistance for capacity building on hazard risk management was carried out by NDMA & National Institute of Disaster Management (NIDM) and the Shelter Level Capacity Building activities are carried out by OSDMA. 100% grant was Central Share (Govt. of India).

**Component-D-** Project Implementation and Monitoring cost-100% grant was Central Share (Govt. of India).

### **Project outlay of NCRMP:**

The project has a total financial outlay, which is Rs. 695.97 crore with earmarked fund for component A, B, C & D.

Component	<i>Rs. in Cr.</i>		
	Central Share	State Share	Total Outlay
<b>A</b> (Early Warning Dissemination System)	68.86	0.00	68.86
<b>B</b> (Cyclone Risk Mitigation Infrastructure by State Govt.ratio-75:25)	440.04	146.68	586.72
<b>C</b> (Shelter level capacity building by OSDMA)	4.98	0.00	4.98
<b>D</b> (Implementation Assistance)	35.41	0.00	35.41
<b>Total</b>	<b>549.29</b>	<b>146.68</b>	<b>695.97</b>

### Physical Achievements under Component-A:

Installation of 122 Early Warning Dissemination Systems (EWDS) have been established & commissioned.

### Physical Achievements under Component-B

- Rural Development Department has executed 149 numbers of Multipurpose Cyclone Shelter (MCS) & 5 Godown-cum-MCS and 143 Shelter connectivity Approach Roads with a length about 218.500 kms. Department of Water Resources has executed 12 numbers of Saline Embankment works with a length about 58.225 Kms. All above works have been completed. Procurement of shelter level emergency equipment have been jointly completed with NCRMP (Additional Finance) activity and provided to each MCS under the project.



### District & Block wise abstract of the shelter buildings under the Project:

Sl. No.	Name of the district	Name of the block	Total No. of Shelter under NCRMP
1.	Balasore	Bhograi	5
2.		Balasore Sadar	15
3.		Remuna	7
4.		Baliapal	15
5.		Basta	1
6.		Bahanaga	11
7.		Soro	2
8.	Bhadrak	Basudevpur	6
9.		Chandabali	11
10.	Ganjam	Chhatrapur	2
11.		Chickiti	3
12.		Ganjam	6
13.		Khallikote	1
14.		Rangeilunda	2
15.	Jagatsinghpur	Kujanga	3
16.		Erasama	2
17.		Balikuda	3
18.	Jajpur	Barchana (Dhanmandal)	1
19.		Korei	1
20.	Kendrapara	Mohakalpada	10
21.		Pattamundai	3

Sl. No.	Name of the district	Name of the block	Total No. of Shelter under NCRMP
22.		Rajnagar	1
23.	<b>Khordha</b>	Jatani	1
24.	<b>Puri</b>	Astaranga	7
25.		Brahmagiri	7
26.		Gop	9
27.		Kakatpur	5
28.		Krushnaprasad	10
29.		Puri Sadar	4
		<b>Total</b>	<b>154</b>

**District wise abstract of the Approach Roads to shelter buildings under the Project:**

Sl. No.	Name of the District	Number of Approach Road
1.	Balasore	38
2.	Bhadrak	32
3.	Kendrapara	11
4.	Jagatsinghpur	17
5.	Puri	29
6.	Ganjam	16
	<b>Total</b>	<b>143</b>

**District wise abstract of the Saline Embankment under the Project:**

Sl. No.	Name of Water Resources Division	Name of the District	Name of the Saline Embankment	Length of Embankment	No. of Sluice / Gate
1.	Aul Embankment Division of Kendrapara district	Kendrapara	<b>Chasisabha</b> from RD 0.0 m to 4000m	4.00 km,	Sluice- 04 nos. & 5 gates
2.			<b>Sasanapata</b> from RD 0.0 m to 3000m	3.20 km	Sluice- 04 nos & 4 gates.
3.			<b>Rajanagar Gopalpur</b> from RD 8050 m to 14050m	6.00 km,	Sluice- 02 nos. & 6 gates
4.			<b>Rajanagar Gopalpur</b> from RD 15050 m to 19050m	4.00 km	Sluice-02 nos. & 5 gates
5.	Mahanadi South Saline Embankment Division of Jagatsinghpur district	Jagatsinghpur	<b>Patua to Gadaharishpur &amp; Gadaharishpur to Kalabedi</b>	6.340km	Sluice- 09 nos. & 19 gates
6.	Jagatsinghpur Irrigation Division of Jagatsinghpur district		<b>Bandar to Kathagadi Sluice</b> from RD 12874m to 17380m	4.506 km,	Sluice- 03 nos. & 3 gates
7.			<b>Bandar to Kathagadi Sluice</b> from RD 17380m to 24774m	7.394 km,	Sluice-03 nos. & 4 gates
8.	Berhampur Irrigation Division of Ganjam district	Ganjam	<b>Khairinal to Pallibandha</b> from RD 0.0km to 6.400km	6.200 km,	Sluice- 9 nos. & 9 gates
9.	Nimapara Irrigation Division of Puri	Puri	<b>Tandahar Singarpala</b>	<b>1.980 km,</b>	Sluice-02 nos.& 2 gates
10.			<b>Chotipada Badaraula</b>	3.66 km,	Sluice-05 nos. & 5 gates
11.			<b>Keutajanga</b> from RD 00 km to 4.115 km	4.115 km,	Sluice- 04 nos. & 4 gates
12.			<b>Nagar</b> from RD 00 Km to 6.660 Km	6.66 km,	Sluice- 05 nos. & 7 gates
	<b>Total</b>			<b>58.055 km</b>	<b>52 sluices</b>

Sl. No.	Name of Water Resources Division	Name of the District	Name of the Saline Embankment	Length of Embankment	No. of Sluice / Gate With 73 gates

**Status of Shelter Level Capacity under Component-C-**

- Shelter level Capacity Building activities of NCRMP & NCRMP (Additional Financing) had been carried out combinedly under this component.
- Social mobilization, orientation on shelter concept & orientation on effective shelter management have been done in 316 Multipurpose Cyclone Shelters (MCSs) [154 (NCRMP) + 162 (NCRMP-AF)] before/ during constitution of Cyclone Shelter Management & Maintenance Committees (CSMMC). All 316 CSMMCs have been constituted & all 316 MCS buildings are handed over to the CSMMCs towards its management & maintenance. Five Godowns-cum-MCS under NCRMP are Managed & Maintained by concerned District



Administrations. 50 members at each MCS including members of CSMMC have been gone through 1-day shelter level orientation, effective management, multiple use & proper maintenance of the shelter building and their role & responsibilities.

- Shelter level Taskforce volunteers between age group of 18-35 years from both male & female (25 on Search & Rescue and 25 on First Aid at each shelter) in 316 MCS are identified and



trained on 4-day Search & Rescue/ 2-day First Aid/ 2-day on operation of shelter level emergency equipment and 2-day shelter level recordkeeping. Other community level volunteers and CSMMC members also participated in the above trainings such as operation of shelter level equipment & recordkeeping.

- Some IEC materials have been developed and awareness campaign on concept of MCS, its multiple use, management & maintenance etc. through “Kala Jatha” (street play) have carried out in shelter villages.
- Under NCRMP, about 280 numbers Instructors for District/ Community Level trainings and 15800 shelter levels trained taskforce volunteers have been created.

**All components under the project have been successfully completed within the project period.**

\*\*\*\*\*