



Project Management Unit (PMU) Department of Water Resources (DoWR)

**Orissa Integrated Irrigated Agriculture and
Water Management Investment Programme (OIIAWMIP)
(ADB Loan No. 2444 and OFID Loan No. 1251-P and ADB Loan No. 3265)**

ANNUAL REPORT 2016-17 (STATUS AS ON 31.03.2017)



Annual Report 2016-17

Orissa Integrated Irrigated Agriculture & Water Management Investment Programme (OIIAWMIP)

The Orissa Integrated Irrigated Agriculture and Water Management Investment Programme (OIIAWMIP) was conceptualized with the support of the Asian Development Bank (ADB) to maximize the state irrigation potential and for the continued development of water resources sector. The project aims to develop four contiguous river basins by enhancing the productivity and sustainability of the existing underutilized major, medium and minor lift irrigation projects, while simultaneously strengthening and empowering water users associations (WUAs) and allied institutions like the Water and Land Management Institute (WALMI). The river basins selected for the project – Subarnarekha, Budhabalanga, Baitarani and Brahmani cover 29% of the land area and support one third of the state's total population. A part of Delta Stage-I was also selected for renovation to sustain development.

Objectives:

- To reduce regional imbalances in infrastructure development.
- To increase productivity in tribal areas through sustainable water management with PIM and Integrated Water Resources Management (IWRM).
- To increase income and reduce poverty through productive irrigation.
- To minimize underutilization of completed schemes.
- To conduct further studies for the preparation of basin development plans for sustainable infrastructure.

Tranche-1 of OIIAWMIP:

- 1) The Loan agreement with ADB for Tranche-I, has been signed on 25th February 2009. The original loan closing date of OIIAWMIP Tr-1 was 30th September 2013 and has been extended to 30th September 2015.
- 2) Similarly, Loan agreement with OFID has been signed on 12 March 2009. The original loan closing date was 30 September 2013 and has been extended up to 31st May 2016.

The cost of Tranche-1 was as per the following:

(i)	Total cost	=	66.4 million US\$ (268.92 Cr. INR)
(ii)	ADB Share	=	16.5 million US\$ (66.83 Cr. INR)
(iii)	OFID Share	=	30.0 million US\$ (121.50 Cr. INR)
(iv)	State Share	=	18.1 million US\$ (73.31 Cr. INR)
(v)	Beneficiary	=	1.8 million US\$ (7.29 Cr. INR)

Scope:

- It was envisaged to stabilize 68,980 hectare irrigation potential by modernizing existing major, medium projects and rehabilitating lift irrigation projects for the conjunctive use of water with extension of support for horticulture, fishery and soil conservation.

Project Components:

1. Extension, Renovation and Modernisation (ERM) work of 1 major (Taladanda Canal) and 3 medium irrigation (Gohira, Remal, Sunei) Projects.
2. Rehabilitation of 650 Minor Lift Irrigation Project.
3. Allied activities like River Basin Planning, Environmental monitoring, PIM / FOT / CAD / WALMI, Agriculture / Horticulture / Fisheries / Soil Conservations.

Status:

Civil Works:

ERM works of Taladanda, Gohira, Remal & Sunei canal systems, 650 Lift Irrigation Projects were taken up under Tranche-I.

Progress of Civil Work Packages

Name of the Sub-Project	Status of Civil Works	Stabilisation (ha.)	
		Target	Achievement
Taladanda	Main Canal- 5 packages Completed, 1 package could not be completed and under sub judice. Minor Canal-1 package completed. Sub-minor works-Completed.	32,680	29,072
Sunei	Main Canal- 1 package completed. Minor Canal-3 packages completed. Sub-minor works-Completed.	10,000	10,000
Gohira	Main Canal- 6 packages completed. Minor Canal-1 package completed. Sub-minor works-Completed.	8,100	8,165
Remal	Main Canal- 1 package completed. Minor Canal-1 package completed. Sub-minor works-Completed.	4,300	4,400
	S-Total (Major Medium)	55080	51637
Minor Lift Irr. Projects	650 numbers	13900	13340
	Total (Tranche-1)	68980	64977

Minor Lift irrigation subproject:

Under Tranche-1, renovation / improvisation works of 650 MLI schemes, suffering from low performance in irrigated agriculture due to the inefficient operation, system deterioration and limited integration with agriculture support service and marketing system has been completed. Stabilisation of 13340 ha. has been achieved.

CAD Works:

Under Tranche-1 of OIIAWMIP CAD works in Taladanda subproject has been completed for 17273 Ha.

Pani Panchayat Strengthening:

Pani Panchayat (PP) empowerment and PP driven agriculture development are central elements of the project. For strengthening of PP, possible intervention fall into 3 broad categories is i) On-farm management, ii) agriculture, iii) livelihood improvements. For this, micro planning works have been completed in the total 121nos. of PPs of three Medium (Sunei, Remal & Gohira) and one Major Irrigation Project (Taladanda).

Tranche-II of OIIAWMIP:

The Loan Agreement of Tranche-2 of OIIAWMIP has been signed on 7th June 2016. The Loan Closing date of Tranche-2 is 17th September 2018. The proposed cost is as per the following:

(vi)	Total cost	=	171.56 million US\$ (1029.3 Cr. INR)
(vii)	ADB Share	=	120.0 million US\$ (720.0 Cr. INR)
(viii)	State Share	=	47.78 million US\$ (286.6 Cr. INR)
(ix)	Beneficiary	=	3.78 million US\$ (22.7 Cr. INR)

The Proposed stabilisation and new creation of ayacut is as per the following:

No.	Subproject	Proposed Stabilisation(S) / New Creation (N) (in Ha.)
	Major Irrigation	
1	Machhagaon	34,870 (S)
2	Pattamundai	32,693 (S)
3	HLC Range-1	14,000 (S)
	Sub-total (Major Irr.)	81,563 (S)
4	Kanjhari	9,740 (S)
5	Ramial	6,128 (S)
6	Kansabahal	4,730 (S)
	Sub-total (Medium Irr.)	20,598 (S)
7	Minor Lift Irr. Projects	16,100 (S)
	Total Stabilisation	1,18,261 (S)
8	MCII	5930 (N)
	G-Total	1,24,191

Project Components under Tranche-2:

A) Extension, Renovation and Modernisation (ERM) work of 3 major (Machhagaon Canal, Pattamundai Canal, HLC Range-1), 3 medium irrigation (Kanjhari, Ramial and Kansabahal) and extension of MCII projects are to be taken up.

B) Rehabilitation of 750 Minor Lift Irrigation Projects.

C) PP Strengthening: Pani Panchayat Strengthening activities are to be taken up in the following no. of PPs.

Machhagaon Canal	-	30 PPs
Pattamundai Canal	-	30 PPs
HLC Range-1	-	32 PPs
Kansabahal	-	9 PPs
Ramial	-	15 PPs
Kanjhari	-	22 PPs
MCII	-	31 PPs
Minor Lift	-	750 PPs
Total	-	919 PPs

D) CAD Works: CAD works will be taken up in the following projects:

Machhagaon Canal	-	12,000 Ha.
Pattamundai Canal	-	12,000 Ha.
HLC Range-1	-	5,600 Ha.
Kansabahal	-	4,578 Ha.
Total	-	34,178 Ha.

E) Restoration of saline Embankments: Restoration of about 57 Km. of saline embankments under 4 costal Irrigation Divisions (Aul, Puri, Khurda and Nimapara) are taken up under Tranche-2 of OIIAWMIP.

Progress of works:

During 2016-17 the following works of Tranche-2 were taken up:

Civil Works: Works in 52 civil work packages have started during 2016-17.

Machhagaon Canal - 11 packages
Ramial = 4 packages
Kanjhari = 2 packages
Kansabahal = 3 packages
Pattamundai Canal = 24 packages
HLC Range – 1 = 8 packages

Restoration of Saline Embankments: Works in 10 packages have started during 2015-16.

Puri Irrigation Division – Pkg 1,5,6 (3 packages)
Nimapara Irrigation Division – Pkg 2,3 (2 packages)
Khurda Irrigation Division – Pkg 2 (one package)
Aul Embankment Division – Pkg 3,5,6 (3 packages)

Expenditure, Claims & Disbursement under OIIAWMIP:

Up to end of March 2017 an amount of Rs. 383.18 Crore has been spent for OIIAWMIP Tranche-I, Rs. 187.015 Cr. for OIIAWMIP Tranche-2 and Rs. 6.449 Cr. for JFPR (Japan Fund for Poverty Reduction). Similarly, under Tranche-1, claim amounting to Rs. 235.84 Cr. has been submitted out of which Rs. 235.84 Cr. has been disbursed. Under tranche-2, claim amounting to Rs.95.60 Cr. has been submitted out of which Rs. 86.70 Cr. has been disbursed.

There is a budget provision of Rs. 282.06 Crore during 2017-18.