



**GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES**

**ANNUAL REPORT 2016-17
OF
PATTAMUNDAI CANAL DIVISION, KENDRAPARA**

Executive Engineer
Pattamundai Canal Division
Kendrapara

1. INTRODUCTION

A. Sub-Project Location

The Government of Orissa through the Government of India has availed a Multi-tranche Financing Facility (MFF) Loan from the Asian Development Bank (ADB) approved in Sept'2008 to partly finance the implementation of the Orissa Integrated Irrigated Agriculture and Water Management Investment Program (OIIAWMIP). The executing agency for the project is the Department of Water Resources (DOWR), Government of Orissa. The Pattamundai Irrigation Scheme is located in the flat, low-lying delta of the Mahanadi River. The scheme is supplied by the Kendrapara main canal, which offtakes from the Mahanadi Barrage at Cuttack. The command area is bounded by the Birupa-Brahmani rivers to the north and west, the Gobari nullah to the south and the Saluan nullah to the east. The 80.5Km long Pattamundai Canal runs parallel to the Birupa River for much of its length and inspection is facilitated by National Highway 5A and the Cuttack-Pattamundai road.

The canal command area is 32,720ha, which includes 2,778ha Birupa Gentuti Island Irrigation Scheme, which is not included under the proposed rehabilitation project.

B. Description of Existing Irrigation System

1. Existing Irrigation System

The Pattamundai Canal dates back to the mid-19th century and was originally built for both irrigation and navigation. However, when the locks fell into disrepair, navigation ceased and the canal is now used extensively for irrigation. The design capacity of the canal at the headworks is 36m³/s.

In the Kharif season, canal water is used for supplementary irrigation and between 70 and 80 percent of the command area is cultivated mainly under paddy. In the rabi season only 25 to 30 percent of the command area can be irrigated and the main crop is pulses. The salient features of the scheme are given below:

Command area	32,720ha
Design discharge	37 m ³ /s
Length of main canal	80.5Km
Locks (cross regulator falls)	9
Escapes	1
Total number of outlets in command area	2,065
Average command area per outlet	16ha

The condition of the main canal, distributaries and ancillary structures has deteriorated, resulting in reduced flows, distribution problems and increased maintenance. The scope of the proposed works include the rehabilitation of 161.50Km of Pattamundai Main Canal and 8(eight) nos. of distributaries namely D2, D7A, D8, D11, D12, D15, D16 & Gobari Extension canal and the repair/up-grading of structures, comprising 80 head regulators (HR), 41 village road bridges, 2 falls/CR, 51 cross drainage structures (DS), 1 escape, 20 cross regulators (CR) and 436 outlets. In addition 25 new village road bridges and one cross drainage structure have been identified to be constructed newly.

A summary of the main canal and eight distributaries included in the sub-project are given in Table.

Main Canal- Distributory : Pattamundai Canal System

Table

Sl. No	Canal System as per existing Nomenclature	Offtaking R.D.In Km	Command Area (CCA) In Ha.	Designed Discharge of Canal in Cumecs as per approved D.S.	Length of Canal In Km
1	2	3	4	5	6
1	Pattamundai Main Canal	Kendrapara Main Canal	32720(including 2778 ha for BGIIP)	36.0000	80.50
2	Distributory-2	15.078 of PMC	1697	1.462	6.48
3	Distributory-7A	36.46 of PMC	1422	1.2201	8.54
4	Distributory-8	48.868 of PMC	4185	4.0447	19.88
5	Distributory-11	55.973 of PMC	2167	2.0599	11.58
6	Distributory-12	63.638 of PMC	3274	2.8434	6.96
7	Distributory-15	75.050 of PMC	1168	1.0701	7.20
8	Gobari Extn. Canal	79.680 of PMC	3654	3.0383	8.50
9	Distributory-16	80.450 of PMC	4032	3.7448	7.66
					157.3

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DEPARTMENT OF WATER RESOURCES,

Data on Canals & Distributaries under Pattamundai Canal Division, Kendrapara

Name of the District - KENDRAPARA,

Blocks covered

Kendrapara - Kendrapara,
Derabis, Pattamundai and
Mahakalpada

Cuttack – Mahanga,
Salipur and Tangi

Jajpur – Badchana

Length of Main Canal

80.5 KM

Length of 8 Distributaries

76.80 KM

(D2, D7A, D8, D11,D12,
D15,D16 & G.E Canal)

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REPORTS ON PATTAMUNDAI CANAL DIVISION

SALIENT FEATURES

- This Division is created vide Govt. of Odisha notification in finance No-36793 dated:-02/11/2012 to look after the REM works of Pattamundai Main canal and 8 nos of Distributaries under Tranche –II of ADB finance with head quarter at Kendrapara.
- The Jurisdiction of Pattamundai Canal Division, Kendrapara, comprises of 3 nos. of Sub-divisions i.e 1. Pattamundai Canal Sub-division, No. I - Gopalpur, 2. Pattamundai Canal Sub-division No. II – Indupur & 3. Pattamundai Canal Sub-division, No. III – Pattamundai. These three nos. of Sub-divisions are looking after the Renovation, Extension and Modernisation of Main Canal and 8 Distributaries
- The tenders for all the REM works of Pattamundai main canal and 8 nos of Distributaries are over. There are total 19 (Nineteen) nos. of Civil work packages, the procurement status with the ongoing status of packagers are shown in table-1.

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STATEMENT SHOWING THE NAME OF OFFICER-IN-CHARGE OF THE REM WORKS FOR THE YEAR 2015-16 UNDER PATTAMUNDAI CANAL DIVISION, KENDRAPARA

Sl. No	Name of Officer	Designation	Telephone	Remarks
1	Sri Bighnaraj Purohit	Executive Engineer	8895296277	The Concerned Assistant Executive Engineers, Asst. Engineers and Junior Engineers are instructed to supervise the REM works of Pattamundai main canal and 8 nos. of Distributaries
2	Sri Binod Kumar Patra	A.EE P.C. Sub-Division No.I Gopalpur	9437155865	
3	Sri Pramod Kumar Kodamasingh	A.EE P.C. Sub-Division No.II Indupur	8895715032	
4	Sri Judhistira Jena	A.EE P.C. Sub-Division No.III Pattamundai	9439099558	
5	Sri Bijay Kumar Behera	Asst. Ex. Engineer (Estimator & P.I.O)	9437251937	
6	Sri Santosh Kumar Panda	Assistant Engineer (Estimator)	9090607067	
7	Sri J.J.S.G. Richards	DAO Deputed from RD	9178871272	

8	Sri Manas Ranjan Parida	JE P.C. Sub Division No.I	9437937709
9	Sri Panchanan Sahoo	JE P.C. Sub Division No.I	9438548655
10	Sri Ananta Nayak	JE P.C. Sub Division No.III	9853480509
11	Sri Nityananda Malla	JE P.C. Sub Division No.III	9938491377
12	Sri Ashok Kumar Sahoo	JE P.C. Sub Division No.I	9861057842
13	Sri Bikram Mohapatra	JE P.C. Sub Division No.II	9438790205
14	Sri Gorasasi Sahoo	JE P.C. Sub Division No.II	9937778347
15	Sri Jyoti Ranjan Nayak	JE P.C. Sub Division No.III	7894418038
16	Sri Nihar Ranjan Jena	Junior Cleark	9439192480

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RP Implementation

Implementation of RP has under taken in Pattamundai Sub Project as per the approved entitlement matrix. The Entitlement Enumeration Survey (EES) for the RP has been taken up during Dec' 2012 to January' 2013 by the respective O&M Divisions. Life Academy of Vocational studies (LAVS) was engaged as Civil Society organization to implement the social safeguard requirements and to assist the SIO (EE) in implementing the RP. Disbursement of compensation to 670 nos of affected persons (AP's) have already been made out of total 679 (AP's) under the project by the end of July 2016. A corrective Action plan is made for already paid AP's under the project. The disbursement to 46 AP's has already been paid by the end of March 2017. The balance AP's to be paid during the current financial year.

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Quality Control Measures

For the all ongoing package works, the field laboratory is being setup by indivisual agency in respective work area where regular Quality Control tests are being conducted for both Core & earth work. Besides SQM has regular site visit to the project from

1. 20.07.2016 to 22.07.2016
2. 20.12.2016 to 22.12.2016
3. 11.04.2017 to 13.04.2017

Executive Engineer Quality Control Division, Cuttack has visited the sites on dt.18.02.2017, 02.03.2017 & 16.03.2017

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