

GOVERNMENT OF ODISHA



DEPARTMENT OF WATER RESOURCES

ANNUAL REPORT 2017

LOWER INDRA MECHANICAL DIVISION
LOWER INDRA IRRIGATION PROJECT
DAM SITE, TIKHALI

CONTENTS

Sl. No.	Subject	Page No.
A	Introduction	3
B	Brief Description on Works and Organization Chart of Lower Indra Mechanical Division	4-7

INTRODUCTION

- The State of Odisha is very rich in Water Resources and optimum tapping of the same is yet to be done for irrigation. As a result of which frequent drought is encountered with varying magnitude of miseries.
- Nuapada & Bolangir districts are located in such chronically drought prone area of K B K districts predominately inhabited by Scheduled Castes and Schedule Tribes with poor economic condition.
- In order to improve the socio-economic condition of the inhabitants of these districts and eradicate frequent drought situations, Govt. of Odisha have proposed to construct Lower Indra Irrigation Project under **Accelerated Irrigation Benefit Programme (A.I.B.P.)**.

The Lower Indra Irrigation Project constructed across river Indra, a tributary of river Tel, is a Major Irrigation Project in Mahanadi Basin. The Dam is located near a village named Dargaon in Khariar block of Nuapada district at a distance of 17 km from Khariar town towards Nuapada.

The Project envisages construction of Head Works (One centrally located Spillway, Earth Dam And 3 Dykes) and Canal System (Left Main Canal and Right Main Canal with its off taking canals) to cover CCA 29,900 hectare. The project on completion will create ultimate irrigation potential of 38,870 ha. The project was approved by Planning Commission in the year 1998-99 vide letter No.2 (326) / 97-I & CAD Dt. 04.02.99 for Rs.211.70 crore. The revised estimated cost of the project is Rs.1182.23 crore (2008 price level) and approved by Planning Commission vide letter no. No.2 (326) / 2003 - WR Dt. 02.12.2009. The latest estimated cost of Rs 1624.49 crore (2012 price level) has been approved by Planning Commission. Administrative Approval has been accorded by DoWR Odisha vide ltr. No 17028 dtd 17.07.2014. The project was taken up under AIBP during 1999-00 and is likely to be completed by 06/2017.

Brief Description on Works and Staff Position of Lower Indra Mechanical Division:

Lower Indra Mechanical Division is functioning at Damsite, Tikhali in the District of Nuapada. There are three nos. of Sub-Divisions functioning under Division namely L.I. Mechanical Sub-Division No.- I, L.I. Mechanical Sub-Division -II and L.I. Mechanical Sub-Division -III. It is about 25 kms away from Khariar, & 65kms from Kantabanji railway station.

This Division started functioning since 21.12.2001 on redeployment to execute Mechanical nature of works for Lower Indra Irrigation Project. This Division is assigned with the Gate works i.e. construction of Spillway Radial gates as well as installation of Distributory / Minor / Sub-Minor Gates of both LMC and RMC of this Project. Most of Civil Canal structures are in progress and installation of Gates are taken up after getting requisition from the concerned Civil Divisions.

In addition to that Division is also looking after Power Supply and illumination works at Damsite, Tikhali. This Division is also entrusted with maintenance of external water supply works and electrical works of both colony and office premises.

ORGANIZATION SETUP

This Division is headed by an Executive Engineer under the Administrative control of Chief Construction Engineer, Lower Indra Irrigation Project. The Executive Engineer is assisted by One Deputy Executive Engineer and two nos. of Assistant Executive Engineers. Besides, other important technical staffs are Junior Engineer-4nos.

This Division has three nos. of Sub-Divisions with 13 Nos. of AE/JEs as per sanctioned strength but only one DEE, one AEE and two nos. of contractual JEs are working at present. The details of Staff Position are as detailed below:

PRESENT STATUS OF LOWER INDRA MECHANICAL DIVISION, DAMSITE,TIKHALI

STAFF POSITION

<u>TECHNICAL HEAD</u>	<u>SANCTIONED STRENGTH</u>
1. Executive Engineer (Mechanical)	1No.
i. Er. Prabin Kumar Tripathy	
2. Deputy Executive Engineer (Mechanical)	1No.
i. Er. Ladi Ramesh	
3. Assistant Executive Engineer (Mechanical)	2Nos.
i. Er. Tapan Kumar Haldigundi	
ii. Vacant	
4. Assistant Engineer (Mechanical)	2Nos.
i. Vacant	
ii. Vacant	
5. Junior Engineer/ (J.E.)	14 Nos.
i. Er. Iswar Kumar Behera, JE(Mechanical).	
ii. Er. Trilochan Behera, JE (Mechanical).	
iii. Vacant	12 Nos.
 <u>NON-TECHNICAL STAFF (MINISTERIAL STAFF)</u>	
	<u>SANCTIONED STRENGTH</u>
1. HEAD CLERK	01No.
i. Sri Banamali Majhi	
2. SENIOR CLERK	02Nos.
i. Vacant	
ii. Vacant	
3. JUNIOR CLERK	07Nos.
i. Sri Pradip Kumar Naik	
ii. Vacant	06 Nos.
4. DRAFTSMAN	01 No.
i. Vacant	
5. STENOGRAPHER	01 No.
i. Vacant	
6. TRACER	01 No.
i. Vacant	

7. FERROPRINTER	01 No.
i. Vacant	
8. DAFTARI	01 No.
i. Sri Naba Santa	
9. PEON	10Nos
i. Sri Damu Muduli .	
ii. Sri Lachhaman Majhi .	
iii. Sri Paramananda Majhi.	
iv. Sri R.Gopal Reddy	
v. Sri Dinabandhu Pradhan	
vi. Sri Lokanath Sahu	
vii. Vacant	04 Nos.
10. NIGHT WATCH MAN CUM SWEEPER	4Nos
i. Sri Damu Jhadia.	
ii. Vacant	03 Nos.

WORKCHARGED STAFF

- i. Malati Khila . (Khalasi)
- ii. Radha Khilla . (Khalasi)
- iii. Bhramarabar Samal (Watchman)
- iv. Gobardhan Sahu (Watchman)
- v. Bholeswar Sahoo (Watchman)
- vi. Sukhdas Bhotra (Helper-Grade-III)
- vii. Dhanu Tanti(Watchman)
- viii. Dhoba Gouda(Watchman)
- ix. Nilakantha Majhi(Watchman)

Spillway Gate Works:

The Spillway Gate Works have been awarded to M/s OCC Ltd for an Agreement value of Rs 1671.86 Lakhs vide Agreement No. 01F2/05-06 and also Supplementary Agreement No.-01 of Agreement No. 01F2/05-06 has been made with M/s OCC for Rs 1, 20, 43,663/- towards two nos. of Working Platforms and Earth Filling in downstream area of Spillway after Tender Committee approval and deviation thereof by Chief Engineer, LIIP, Nuapada. M/s OCC Ltd. has till date availed payment of Rs. 1613.71 Lakhs against work done by them.

The Fabrication of all 09 Sets of all Radial Gates of size 15000x9000 MM have been completed and are also transported to site. The anchorages along with Trunnion Girders erection have already been placed in position in all bays and erection of 2nd Stage embedded parts are in progress in other bays.

Erection of skin plates of Radial Gate in Bay Nos.-09, 08, 07, 06, 01 & 02 have been taken up and hoisting arrangement in Bay Nos.-07, 08 & 09 have been completed and erection of skin plates of Radial Gate in Bay No-05 is in progress and Bay 03 and 04 yet to be handed over by Dam Division.

However, the erection of working platform, second stage embedded parts and sill beam has been taken up in the rest of the Bays.

Left Head Regulator Gate Works

The Left Head Regulator Gate Works have been awarded to M/s OCC Ltd for an Agreement value of Rs 54,15,611/- vide Agreement No. 02F2/05-06 and the work has been completed. There are four sets of Service Gates of size 1200x1500 mm and one set of Stoplog Gate with monorail arrangement. The erection of a Gates have been completed.

Right Head Regulator Gate Works

The Right Head Regulator Gate Works were completed during 2008. There is one Service Gate and one Emergency gate of Size 2000x21000 mm

Ongoing Agreements:

Sl. No	Name of work	Name of Agency	Agmt.No	Date of commencement	Stipulated date of completion / EOT sanctioned	Agmt. Value Rs in Lakhs	Value of work done upto April-2017 Rs in Lakhs
1	Construction of Spillway Radial Gates of Lower Indra Irrigation Project.	M/s OCC Ltd	01F2/05-06	21.07.2005	20.07.2007	1671.86 & Supplementary Agreement 120.43	1613.71
2	"Fabrication, Supply, Transportation and Erection of Cross Regulator, Head Regulator & Escape Gates (18 Nos.) at different locations of both LMC and RMC of LIIP".	M/s S.B.S Industries, Chauliaganj, Cuttack	03P1/2016-17	20.07.2016	19.10.2016 / 1st EOT granted upto- 19.03.2017 / 2 nd EOT granted upto- 31.05.2017	165.66	99.40

Executive Engineer
Lower Indra Mechanical Division