

# RENGALI RIGHT IRRIGATION PROJECT

## ANNUAL REPORT OF RIGHT CANAL DIVISION NO.VI, JAGATPUR, CUTTACK



## ANNUAL REPORT OF RIGHT CANAL DIVISION NO.VI, JAGATPUR OF RENGALI RIGHT IRRIGATION PROJECT

---

As per order No. 26155 Dtd.12.07.2001 of Department of Water Resources, Odisha, Bhubaneswar, office of the Executive Engineer, Subarnarekha Irrigation Division No.III, Deuli have been redeployed as office of the Executive Engineer, Right Canal Division No.VI, Choudwar. The office of the Executive Engineer and its 4 Nos. sub-divisions bodily shifted and renamed as Right Canal Division No.VI, Choudwar on Dtd.01.12.2001. Subsequently as per order No. 40038 Dtd.18.12.2008 of DoWR, Government of Odisha, the head quarter of Right Canal Division No.VI and Right Canal Sub-Division No.I have been fixed at Jagatpur. The Division has four subdivisions, subdivision-I is functioning at Jagatpur, Subdivision-II is functioning at Choudwar and Subdivision No-III & IV are functioning at Mahisapat, Dhenkanal.

### LOCATION

The Division office is situated at Jagatpur. The office building is located on the way from Choudwar to Jobra, Cuttack. After crossing the Birupa barrage the Division is located adjacent to Mahanadi North Division.



## JURISDICTION OF THE DIVISION

1. Execution of Right Bank Canal from RD 79.00 Km to RD 89.500 Km.
2. Darpani Branch Canal from RD 8.120 Km to 18.910 Km, from RD 33.477 Km to 41.300 km and RD 67.00 Km to RD 74.00 Km.

## STAFFING PATTERN

<b>Sl No</b>	<b>Category</b>	<b>Sanctioned Strength</b>	<b>Existing strength</b>	<b>Remark</b>
1.	Executive Engineer	1	1	
2.	Deputy Executive Engineer	1	0	
3.	Asst Executive Engineer	4	4	
4.	Divisional Accountant	1	0	
5.	Asst Engineer (Civil)	4	5	
6.	Junior Engineer (Civil)	8	4	
7.	Head Clerk	1	1	
8.	Senior Clerk	2	2	
9.	Junior Clerk	8	8	
10.	Junior Stenographer	1	0	
11.	Draughtsman	1	1	
12.	Tracer	1	0	
13.	Peon	11	6	
14.	Contingent Khalasi & NWCS	31	21	

## BUDGET & EXPENDITURE

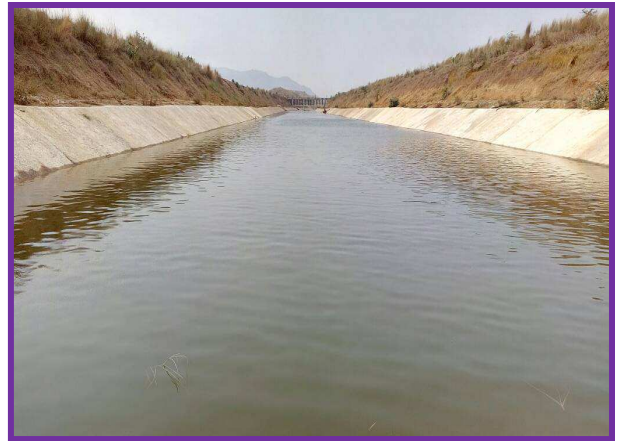
The annual budget for year 2016-17 is as follows

BUDGET HEAD	BUDGET PROVISION	EXPENDITURE	REMARKS
ESTABLISHMENT	Rs 2.00 Cr	Rs 1.89 Cr	Due to vacant post
WORKS	Rs 21.00 Cr	Rs 21.17 Cr	
<b>TOTAL</b>	<b>Rs. 23.00 Cr</b>	<b>Rs. 23.06 Cr</b>	

## STATUS OF WORKS

### ONGOING WORKS

1. Excavation of Right Bank Canal of Rengali Irrigation Project from RD 79.00 km to RD 83.50 km including construction of all structures except escape at RD 79.540 km, CD at RD 79.630 km & HR at rd 82.510 km, package No -1(A) of RBC phase-II.



The major component of work consists of

- a) Earthwork & Lining-4.25 km -- Earth work completed & lining 4.10 Km completed
- b) Structures --13 nos -- Completed 13 nos

c) Service road -- 4.2 km -- Completed 3.5 km

The revised cost of work Rs. 17.00 Cr out of which Rs. 16.25 Cr has been spent.

The Expenditure during 2016-17 is Rs 2.07 Cr

## 2. Construction of Cross Regulator, Canal Escape & Canal Syphon at RD 79630m of Right Bank Canal of Rengali Irrigation Project of RBC Phase-II.



This is a critical combined structure.

The CR is provided to maintain FSL of Gondia Branch Canal at 77.420Km. The escape is for safety and maintenance of the Canal. The Syphon of 150m length is for crossing of a major drain i.e. Badjore Nallah.

The civil work of value 12.36 Cr was awarded to M/S OCC ltd and the work has been completed. The expenditure during the year 2016-17 is Rs 0.80 Cr  
The mechanical work such as fixation of gates & hoist was also awarded to M/S OCC Ltd for a value of Rs 2.33 cr. The work has been completed and Expenditure during the year 2016-17 is Rs. 1.41Cr. Balance payment will be made after submission of final Bill by OCCL and testing of gates up to satisfaction.

**3. Excavation of RBC from RD 83.50 Km to 86.50 Km including construction of all structures, Package No. 1(B) of RBC, Phase-II.**



The major component of work constitute of excavation of canal for 3.00 Km having depth of cutting varying from 9.00m to 25.00m and two nos of special structures such as (a) One foot bridge where depth of cutting is 16m (b) One conduit of 131m at 85.526m to facilitate one major drain and village road over it. The excavation work has been completed which involves 7.00 lakh cum of rock to be excavated by blasting/control blasting. The conduit is completed and Foot Bridge is almost complete.

The total revised cost of the work is Rs 42.95 Cr and expenditure up to Mar 2017 is Rs 37.25 Cr. The value of work done during 2016-17 is Rs. 5.45 Cr.

4. **Excavation of Right Bank Canal of Rengali Irrigation Project from RD 86.500 Km to RD 89.500 Km including Construction of Water Conductor System (Cut & Cover) from RD 87.500 Km to RD 88.700 Km, Package No-2 of Right Bank Canal Phase-II.**



The major component of work consists of (a) excavation for 3.00Km where depth of cutting varies from 25.00m to 36.00m. The excavation involved around 24.00 lakh cum of rock to be excavated by blasting. (b) Cut & Cover of 400m length in two stretches i.e. from RD 87.940 Km to RD 88200Km (260m) & from RD 88560Km to 88700(160m).

The excavation & structure have been completed.

The value of the work is Rs 133.00 Cr and expenditure up to March 2017 is Rs. 130.00Cr. The expenditure during 2016-17 is Rs. 12.12 Cr.

## NEW WORKS TO BE TAKEN UP

Besides the works of Main Canal the Division is entrusted with work of Darpani Branch canal from RD 8.120 Km to RD 18.910 Km, from RD 33.477 Km to RD 41.488 Km and from RD 67.965 km to RD 74.83 km. Total 19nos of villages in Branch Canal in the above three stretches. Out of the 19 cases of the above three reaches 13 nos is under 19(1) stage, 1 no under 11(1) stage and balance LA proposal of 5 nos cases have been prepared and to be submitted soon. However estimate for two packages i.e from RD 16.680 km to RD 18.910 km for Rs 17.65 Cr and from RD 33.477 Km to RD 37.966 Km for an amount of Rs. 24.00Cr have been submitted. The tender for the same will be invited soon.

## QUALITY CONTROL ASPECT

The Quality Control Division is taking care of quality aspect of all ongoing works with regular quality monitoring & testing. The SQM units are visiting the site at regular intervals. According to their report the quality of works is satisfactory. The details of quality aspects are compiled by EE Quality Control Division. An annual report is being published for the whole project.

## SIGNIFICANT WORK DONE

- 1. CR Cum Escape cum Syphon at RD 79.630 Km of RBC:** - This is a combined and complicated structure which was a major bottleneck for connectivity of phase-I with Phase-II work of RBC. The structure has been completed before khariff - 2017.
- 2. Conduit at RD 85.526Km:** - This is a conduit where depth of excavation is around 20m. A major drain and R.D road is crossing over it. The work has been completed.



**3. Cut & Cover reach (86.500 to 89.500 Km):** - A “D” shaped conduit of 8 m diameter for a length of 400 m in two stretches has been complete. The maximum depth of cutting at the structure (conduit) is 36.00m. The Cut & Cover which is the most critical reach of R.B.C has been successfully completed.

**4. Excavation of canal section from RD 83.500 Km to RD 89.500 Km** where depth of cutting varies from 9m to 36 m has been completed. The whole stretch involves 30 lakh cum blasting which is nearer to 5 nos of villages. However by grace of God the work has been completed.

### **BOTTLENECKS**

1. Stage-II forest clearance for 1295 ha forest land of R.I.P (Both LBC & RBC)
2. Sufficient staff required for payment of LA compensation such that work of DBC can be taken up early.

### **CONCLUSION**

The Division is entrusted with work covering 4 blocks in two Districts. These are Odapoda & Sadar Block of Dhenkanal District and Athagarh & Tangi Choudwar Block of Cuttack District. Whatever achievement has been done is due to continuous support from higher authorities and active participation of all staffs of the Division.

## STATUS OF LAND ACQUISITION

### DARPANI BRANCH CANAL

SI No	VILLAGE	STATUS	REMARK
1	2	3	4
1	Shankarpur	Under 11(1)	
2	Padmanavpur	Under 19(1)	
3	Badrapali	Under 19(1)	
4	Patrabhaga	Under 19(1)	
5	Kamaningi	19(1) issued	
6	Mahisapat	19(1) issued	
7	Manitri	19(1) issued	
8	Sabitripur	19(1) issued	
9	Kandrei	19(1) issued	
10	Dalua	19(1) issued	
11	Khanduali	Under sanction by DoWR	
12	Khamarnuagaon	Under 19(1)	
13	Radhakrishnapur	19(1) issued	
14	Bandhapali	Under 19(1)	
15	Kahnupur	To be submitted	
16	Baragada	To be submitted	
17	Paria	To be submitted	
18	Barunia	To be submitted	
19	Raijhar	To be submitted	

### MINORS & SUBMINORS

There is a proposal of adopting UGPL for minors & sub minors. Therefore Land acquisition proposal has not been submitted.