



GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES

UPPER INDRAVATI IRRIGATION PROJECT
RIGHT CANAL DIVISION NO.III, JUNAGARH

ANNUAL REPORT

FOR THE YEAR 2016-17.

EXECUTIVE ENGINEER
UI RIGHT CANAL DIVISION NO.III
JUNAGARH

A BRIEF NOTE ON UPPER INDRAVATI PROJECT

The Upper Indravati Multipurpose Project is located in Nabarangpur and Kalahandi District in the southern part of the State Odisha. The Project intercepts water from the river Indravati and three of its tributaries named Muran, Podagad and Kapur. The river Indravati originates from the Thuamul Rampur plateau in Kalahandi District at an altitude of about 915 m. Then it flows around 97.5 km in Odisha before entering in to the state of Chhatisgarh and finally joins to river Godavari.

An integrated reservoir has been formed by construction of four nos of dams across these four nos of rivers. Eight nos of dykes have also been constructed across saddles.

The original Project was approved by the Planning Commission in May 1978 for an estimated cost of Rs.208.14 Crore. Impounded water is used to generate 600 MW (4 x 150 MW) of power in addition to irrigation supply. The Hydro-Electric Portion has been completed during 1999. The 1st Unit started generation from 05.09.1999.

The power release is envisaged to be utilised for irrigation purpose in Kalahandi District of Odisha by trans-basin diversion of water from Godavari Basin to Mahanadi Basin in phased manner. The water released from the Power House enters in to a pond created by Mangalpur Barrage across river Hati from where it is being diverted for irrigation supply as follows.

Name of the canal system	CCA in Ha	Present status
1st Phase		
Left Canal System	49085	Completed
Right Canal System	27195	Completed
2nd Phase		
Left Extension Canal	10224	Partly Completed
Right Extension Canal	15260	Completed
3rd Phase		
Lift Canal System	26248	Ongoing
Total	128012	

RIGHT EXTENSION MAIN CANAL AND SYSTEM OF U.I.I.P.

INTRODUCTION

The Right Main Canal of UIIP is extended beyond River Sagada upto River Ret to utilise balance water of about 18 cumecs available at its tail. This extension portion alongwith its system is known as Right Extension Main canal. An additional command of 15260 Ha. will be created after full fledged completion of this system alongwith its distribution net work.

ADMINISTRATIVE APPROVAL

The Upper Indravati Irrigation Project was approved by the Planning Commission for Rs. 136.67 crores(price level 1998) in March 2003. The Project authorities subsequently submitted a revised cost estimate for Rs. 349.09 crores(Price level 2005) to CWC in January 2007. The Revised Estimate has been examined in CWC and cost was finalised for Rs. 564.77 crores at 2008 price level.

RIGHT EXTENSION SYSTEM

The system envisages construction of the following canals.

Sl. No	Type of Canal	As per scheme approved		As per present revised assessment	
		No.	Length	No.	Length
1	Right Exension Main Canal	1	22 km	1	22.182 km
2	Branch Canal	1	22 km	1	20.16 km
3	Distributary	3	34 km	4	41.33 km
4	Minor and Sub minors	74	175 km	114	203.51 km
5	Water Course & Field Channels		86 km		

LAND ACQUISITION AND R&R (RIGHT EXTENTION OF UIIP) (in Hac.)

Sl. No	Component	Private and Govt. Land	Forest Land	Total land involved
1	Main Canal	167.61	9.87	177.48
2	Branch Canal	86.00	0.00	86.00
3	Distributory	95.80	0.00	95.80
4	Minors and Sub-Minors	290.30	0.00	290.30
	Total	639.71	9.87	649.58

The Upper Indravati Right Canal Division No.III, Kusumkhunti was renamed as Upper Indravati Right Canal Division No.III and shifted to headquarter at Junagarh on 24.11.1998 for playing a vital role in execution of canal system in phase-II of Upper Indravati Irrigation Project.

ESTABLISHMENT

The division is headed by one Executive Engineer assisted by one Dy.Executive Engineer and three Asst.Executive Engineers for controlling the 4 Sub Divisions as detailed below.

Sl.No	Name of Sub Divn with Headquarter	Name of SDO	Remarks
1	UI Right Canal Sub Divn.No.I, Junagarh	Sri P.Rajesh Reddy, D.E.E	
2	UI Right Canal Sub Divn.No.II, Bhawanipatna	Sri Pravanjan Bhatta, A.E.E	
3	UI Right Canal Sub Divn.No.III, Bhawanipatna	Sri Ajay Ku.Sahu, A.E.E	
4	UI Right Canal Sub Divn.No.IV, Junagarh	Sri Ajit Ku.Patro, A.E.E	

STAFF POSITION

At present the division is functioning with the following staff.

Sl.No	Category of post	No of post sanctioned	Nos existing	Nos vacant	Remarks
	REGULAR				
1	Executive Engineer ©	1	1	0	
2	Dy.Executive Engineer(C)	1	1	0	
3	Asst.Executive Engineer(C)	3	3	0	
4	Asst.Executive Engineer(C) Estimator	1	0	1	
5	Asst.Exngineer (C) Estimator	1	0	1	
6	Asst.Exngineer (C)	4	4	0	Out of existing 4 posts One each deputed to EE LCD-I and EE Ret Canal Divn.
7	Junior Engineer (C)	8	6	2	Out of existing 6 posts One deputed to EE, LCD-I
8	Divisional Accountant	1	0	1	
9	Head Clerk	1	0	1	
10	Senior Clerk	2	0	2	
11	Junior Clerk	8	5	3	Out of existing 5 posts One each deputed to EIC, WR & LO, BBSR
12	Junior Steno	1	1	0	
13	Draughtsman	1	1	0	
14	Tracer	1	1	0	
15	Ferroprinter	1	1	0	Post diverted to QC Divn. Khatiguda.
16	Daftary	1	0	1	
17	Peon	11	6	5	
18	NWCS	1	1	0	
19	Contigent Khalasi(Regular)	8	8	0	
20	Contigent Khalasi (Consolidated)	13	13	0	
	WORKCHARGED				
1	Jeep Driver	1	1	0	
2	Asst. Pump Driver	1	1	0	

WORK EXECUTION

The division was entrusted to execute the work of :-

1. Right Extension Main Canal from RD 6.00 km to 22.182 km.
2. Kusumkhunti Branch Canal from RD 00 km to 20.160 km.
3. Construction of Distributaries like –
 - i) Malgaon Distributary from RD 00 km to 15.48 km
 - ii) Adhamunda Distributary from RD 00 km to 8.16 km.
 - iii) Chhenagaon Distributary from Rd 00 km to 7.50 km.

All the above works of Right Extension Main Canal have been executed under 14 nos of packages and construction of all the above packages have already been completed (Details in Annexure-I). The work of Kusumkhunti Branch Canal have been executed under 7 nos of packages and construction of all the works were completed (Details in Annexure-II). The work of Distributaries were taken up under seven nos of packages and out of which the work of all packages were completed. (Details in Annexure-III).

BLOCK WISE SCHEDULE OF AYACUT.

Sl. No	Name of the Block	No.of Panchayats	No.of villages	C.C.A
1	Bhawanipatna	10	49	7790.0 Ha
2	Kesinga	7	23	7470 Ha
		17	72	15260 Ha

BENEFIT OF A.I.B.P.

1	Total potential to be created	15260.00 Ha.
2	Potential created till 3/2017	14925 Ha.
3	Target benefits in 2017-18	7790.0 Ha.

FINANCIAL PROGRAMME AND PROGRESS OF AIBP COMPONENT

(Right Extension Scheme of U.I.I.P.) (Rs. in Cr.)

1	LEC of components proposed under AIBP	564.77
2	Expenditure upto 3/2017	200.91

Quarter wise programme and progress for Expenditure in 2016-17

(Rs. in Cr.)

Sl. No	Quarter	Target	Achievement	Cummulative
1	1st Qtr	6.00	1.59	198.84
2	2nd Qtr	1.60	0.18	199.02
3	3rd Qtr	0.85	0.42	199.44
4	4th Qtr	0.00	1.47	200.91
	TOTAL	8.45	3.66	200.91

Quality Assurance & Inspection of SQM.

For achieving the good quality of work there is need of taking various types of quality control measures during the execution of works.

The Executive Engineer, Quality Control Division, UIIP, Khatiguda having overall responsibilities on checking and monitoring the quality of works. He is assisted with the ARO and other technical staff for conducting the field test as well as arranging the tests at Laboratoty. The Engineer incharge of the work carrying out the field test with the help of Q.C. staff as and when required during the execution of work.

Er. K K Khandai, SQM has inspected the work sites like Sagada Aqueduct, Chandopala Minor and Chhenagaon Distributary on 23.02.2016 of Right Extension Main Canal.

Inspection of Higher Authorities.

The work sites under this division are being inspected by the higher officers like Chief Engineer, Chief Construction Engineer, Superintending Engineer and Executive Engineer, Quality Control Division frequently and instructed to taking up the work accordingly to site requirement for smooth execution of works.

Works under AIBP

An expenditure of of Rs. 200-91 crores has already been incurred for execution of Right Extension System out of which a sum of Rs. 3.66 crores has been made during the year 2015-16. All the packages have already been completed, but a sum of Rs. 4.07 crores of final bill amount are yet to be paid.

Work under Command Area Development (CAD)

The survey, planning and design of Micro Irrigation and drainage network of Upper Indravati Right Extension Canal system for an area of 15260 Ha. was awarded to M/S.O.C.C Ltd for an Agreement amount of Rs.1.83 crores and completed in phased manner. Twenty nine (29) nos of agreements have already been executed after completing the tender process for execution of the water courses and field channels in the Right Canal Extension system during the year 2015-16 & 2016-17.

Executive Engineer,
UI Right Canal Divn.No.III
Junagarh