



GOVERNMENT OF ORISSA

DEPARTMENT OF WATER RESOURCES

**ANNUAL REPORT
OF
JONK IRRIGATION DIVISION
NUAPADA
FOR THE YEAR 2017-18**

Executive Engineer
Jonk Irrigation Division
Nuapada

UPPER JONK IRRIGATION PROJECT

Upper Jonk Irrigation Project is a reservoir scheme constructed across the river Jonk, tributary of Mahanadi Basin near village Patora. The Project is located at about 20 km from Nuapada District Headquarter and latitude is 20° 40'00" N and Longitude 82° 26' 30" E. The catchment area of the Project is 342 Sq.km. The Project comprises of Earth Dam of 631 m length, gated spillway and two Main canals with their distribution system.

The initial estimated cost of the Project is Rs.1277.73 lakhs. Then it was revised to Rs.9145.00 lakhs in 1995 and again re-revised to Rs.10589.41 lakhs. The total expenditure since inception is Rs.10589.41 lakhs for the entire Upper Jonk Irrigation Project till the end of March 2005. The Project was started from 1979-80. But progress could not achieve due to want of forest clearance from Government of India. The forest clearance was received during 1986. After which the project work has been accelerated.

The total design ayacut of this Project is 9920 ha, out of which 9110 ha. lies in Nuapada District of Orissa and the rest 810 ha. is in Chhatisgarh. The designed Rabi area is 3578 ha., so far, the certified ayacut is Khariff is 8787 ha. There is an interstate agreement in 1983 to supply 0.67 cumecs of water in Left Main Canal to support Khariff Irrigation in 810 ha. of Chhatishgarh state. Water is being supplied after they have deposited the share capital of Rs. 6.435 crores as per decision at higher level. The F.R.L. of the project is 354.10m and the construction of the project has been completed since March 2005, but water is being stored at R.L. 350.60m, whose corresponding live capacity is 3524.63 Ham. (The designed live storage capacity of 6434 Ham. at R.L 354.10m).

The reason of non-storing of water up to the F.R.L. is non-receipt of forest clearance from Ministry of Environment & Forest, Government of India, who had rejected the diversion proposal of 142.699 ha. i.e the additional submergence forest area in view of the ban order of Honourable Supreme Court on diversion of sanctuary forest land. Now, on disposal of I.A 27/2002 by the Honourable Supreme Court, the clearance of Ministry of Environment & Forest, Government of India is required to be obtained, which will be given by Ministry of Environment & Forest, Government of India after confirmation of the state Government regarding the compensatory afforestation works taken up by State Forest Department over 575 ha. of land with Rs.35.14 lakhs deposited by the project authorities. The Government of India has asked to submit a fresh forest clearance proposal in a new format, which will be considered by the National Board of Wild Life. This had also been submitted to the Divisional Forest Officer, Sunabeda Wild Life Division, for approval. Accordingly the Divisional Forest Officer, Sunabeda Wildlife Division, Nuapada has approved the Bio-Diversity Impact Assessment Report vide his letter No.1715 dt.25.06.2016. At present the M/S OCC Ltd. Have been awarded the work for “Preparation of Forst Diversion proposal for 142.699 Ha. of Forest area including 129.707 ha of Sunabeda Wild Life Sancuary for increasing the FRL of Upper Jonk Irrigation Project vide letter No.11134 dt. 10.05.2017 of DOWR Odisha, Bhubaneswar for early completion of work.

The Khariff achievement for the year 2017-18 is 8648.67ha and Rabi programme is finalized for 2500.00 ha.

20 numbers of Pani Panchayats has been formed under this Project and they are looking after the Branch Canals of the distribution system.

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KHARKHARA IRRIGATION PROJECT

Kharkhara Irrigation Project is situated near village Amsena (in Nuapada Block) in the District of Nuapada at Latitude of 20° 52' 30" N and Longitude 82° 32' 52" E. It envisages the construction of a diversion weir over Kharkhara Nallah, a tributary of River Jonk of Mahanadi Basin and canal system to cover a C.C.A of 1950 ha. in Stage-I. The project is utilizing the yield of its own catchments as well as supplementation from Upper Jonk reservoir to provide irrigation to 11 Nos of village of Nuapada Block. The Project was started during 199-2000 and has been completed by March 2006. The trial Irrigation has been provided during the year 2006-07. This was financed by RLTAAP under AIBP scheme. Irrigation is being provided to the ayacut of 1700 ha in Khariff. The final certification report of the ayacut has been received from the Tahasildar, Nuapada vide his letter No.3286 dt.01.08.2016 which comes to 1856.50 Ha. Due to non-availability of Maintenance grant of Kharkhara Irrigation Project under M/R Grant, a lot of problems are facing for maintaining the project works. The 86th T.A.C., while approving this project, has fixed up the pond level of the barrage in such a level that 4000 ha can be irrigated. Accordingly the barrage and canals have been designed and constructed. Now, the distribution system is to be constructed to irrigate further 2050 ha in Stage-II. Accordingly, the investigation and survey work is completed. Now the Chief Engineer, PPF & I, Bhubaneswar has forwarded report after Water availability study of Upper Jonk Irrigation Project. From this report it is ascertained that after keeping water level at 354.10m in Jonk Dam, it can supplement water of 1(One) cumec to Kharkhara Irrigation Project with 78.57 % success.

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SUNDAR IRRIGATION PROJECT

Sundar Irrigation Project is a reservoir scheme constructed across river Sundar, a tributary of river Indra under Tel Sub-Basin of Mahanadi Basin near village Ichhapur. The Project is located at about 15 km from Komna at latitude 20° 35' 30" N and longitude 82° 35' 30" E. The catchment area of the project is 145 Sq.km. The Project comprises of Earth Dam of 2700m length, gated spillway and two canals with their distribution system (Initially only Left Main Canal is off-taking from reservoir)

Sundar Irrigation Project was taken up during the year 1972-73 and completed during the year 1990. The total cost of the project was Rs.814.30 lakhs including spillway. The distribution systems were completed by 1975. The trial irrigation has been provided during the 1978-79. The design ayacut area in Khariff is 4633 ha and in Rabi is 1624 ha. The certified ayacut achieved so far in Khariff is 4452 ha. Since the distribution system has been constructed more than 35 years ago, and the Right Main Canal constitutes 22 nos of well type canal syphons, it has become very difficult to supply water to the tail end. Now these canal syphons has been renovated for which the irrigation water flows smoothly to tail end. As the condition of the Dam section was deteriorated, it has been renovated under DRIP Scheme.

The Khariff achievement for the year 217-18 is 888.91 ha and Rabi programme is not finalized due to non availability of water in the Reservoir.

12 numbers of Pani Panchyat has been formed under this Project and they are looking after the branch canals of the distribution system.

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STAFF POSITION OF JONK IRRIGATION DIVISION ,NUAPADA

Sl. No	Name of Post	Sanctioned strength	Existing	Name of incumbent holding the post	Remarks
1	2	3	4	5	6
DIVISION OFFICE					
1	Executive Engineer	1	0	Er. H.C.Patel	The EE, QC & Design Division, Bhawanipatna is in Additional charge
2	Assistant Executive Engineer (Estimator)	1	0	Vacant	
3	Assistant Engineer (Estimator)	1	1	S.K.Sahani	Deputed to CE & BM, SB Basin, Baripada
7	Juniour Clerk	4	0	Vacant	
8	Draughtsman	1	0	Vacant	
9	Data Entry Operator	1	0	Vacant	
	Tracer	1	0	Vacant	
10	Peon	7	6	Sri D.R.Kalar Sri B.B.Parida Sri Upendra Chalan Sri Kapil Ch.Rana Sri J.K.Tandi Sri Nanukram Rout	
11	N.W.M.	1	1	Sri Dhani Nag	
JONK DAM SUB-DIVISION, PATORA					
1	Deputy Executive Engineer	1	0	Vacant	
2	Assistant Engineer	1	1	Sri Gayas Suren	
	Junior Engineer	2	2	Smt. Jyotirmayee Das Sri Adil Kumar Bag	
6	Juniour Clerk (SDC)	1	0	Vacant	
7	Peon	1	1	Sri P.K.Agasty	
KHARKHARA IRRIGATION SUB-DIVISION, NUAPADA					
1	Assistant Executive Engineer	1	1	Sri Wilson Kerketta	Deputed to EE, Ong Divn, Padampur
2	Assistant Engineer	1	1	Sri Kuturu Kisan	
6	Juniour Engineer	2	0	Vacant	
7	Juniour Clerk (SDC)	1	0	Vacant	
8	Peon	1	1	Vacant	
SUNDAR IRRIGATION SUB-DIVISION, JADAMUNDA					
1	Assistant Executive Engineer	1	1	Sri T.K.Nayak	
2	Assistant Engineer	1	0	Vacant	
5	Juniour Engineer	2	1	Vacant	
6	Juniour Clerk (SDC)	1	0	Vacant	
7	Peon	1	1	Sri Madan Majhi	

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DEVELOPMENT WORKS

Sl. No	Name of the scheme	Allotment for the year 2017-18 in Lakhs	No. of Projects taken	Estimated cost in lakhs	Expenditure in Lakhs	% of Expenditure
1	2	3	4	5	6	7
1	Critical lump	320.00	20	320.00	319.99	100.00
2	R.E (Plan)	35.00	2	35.00	30.32	86.63
3	Critical Flood	25.00	2	25.00	24.93	99.72
4	Maintenance of Road	10.00	1	10.00	9.95	99.50
5	Repair & Maintenance of canals	119.00	86	119.00	118.62	99.68
6	Repair & Maintenance of Buildings	10.00	2	10.00	9.89	98.90
7	Maintenance of R.E	3.00	1	3.00	2.95	98.33

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IRRIGATION POTENTIAL

Sl. No	Name of the Project	G.C.A	Designed CCA		Intensity of Khariff	Certified ayacut	Achivement during 2017-2018	
			Khariff	Rabi			Khariff	Rabi
1	2	3	4	5	6	7	8	9
1	Upper Jonk Irrigation Project	11670.00	9110.00	3578.00	8655.00	8787.00	8648.67	3500.00
2	Sundar Irrigation Project	5790.00	4633.00	1624.00	4401.00	4452.00	888.91	0.00
3	Kharkhara Irrigation Project	2350.00	1950.00	0.00	1700.00	1856.50	1856.00	0.00

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INFORMATION REGARDING EXISTING RIVER / SALINE EMBANKMENTS OF JONK IRRIGATION DIVISION, NUAPADA

Sl. No	District	Basin	River	Left / Right	Name of the embankment	Type & length of embankments in Kms				Remarks
						CE	OAE	TRE	Saline	
1	Nuapara	Mahanadi	Kharkhara Nallah	L/R	Kalyanpur embankment (Embankment of Kharkhara nallah near village Kalyanpur U/S of Kharkhara barrage)		0.90			
2	Nuapara	Mahanadi	Kharkhara Nallah	L	Chanabeda embankment (Embankment near village Chanabeda in D/S of Kharkhara barrage)		0.60			
3	Nuapara	Mahanadi	Jonk	L/R	Kpatora embankment (Embankment near village Patora)		0.80			
4	Nuapara	Mahanadi	Sundar	L/R	Ichhapur embankment (Embankment near village Ichhapur in D/S of spillway of Sundar Irrigation Project)		2.00			
5	Nuapara	Mahanadi	Arjun Jharia Nallah	L/R	Thongo embankment (Embankment near village Thongo)		0.90			
6	Nuapara	Mahanadi	Silda Nallah	R	Silda Embankment (Embankment near village Silda)		0.20			
7	Nuapara	Mahanadi	Jonk	R	Kurumunda Embankment (Embankment over Jonk River near village Kurumunda)		0.90			
8	Nuapara	Mahanadi	Kharkhara Nallah	L/R	Mahatamtora Embankment(Embankment near village Mahatamtora of Kharkhara Nallah)		0.50			
					Total :		6.80			

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