



GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES

ANNUAL REPORT OF
NUAPADA IRRIGATION DIVISION,
NUAPADA
FOR THE YEAR 2015-16

Executive Engineer,
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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 $20^{\circ} 40' 00''$ N and Longitude $82^{\circ} 26' 30''$ 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 inspection 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 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 Chhatisgarh state. Water is being supplied after they have deposited the share capital of Rs. 6.435 crore. as per decision of 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 clearance proposal in a new format, which will be considered by the National Board of Wild Life. This has also submitted to the Divisional Forest Officer, Sunabeda Wild Life Division, for approval. At Present 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.


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


26/7/18
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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 $20^{\circ} 52' 30''$ N and Longitude $82^{\circ} 32' 52''$ 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 will utilize 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 certification report of the ayacut has been received from the Tahasildar, Nuapada vide his letter No.4039 dt.24.09.2015 which comes to 1473.50 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.

At present, the investigation and survey work are going on for its Stage-II


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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 Malanadi Basin near village Ichhapur. The Project is located at about 15 km from Komra at latitude $20^{\circ} 35' 30''$ N and longitude $30^{\circ} 35' 30''$ 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 involves cost of Rs.814.30 lakhs including spillway. The distribution systems were completed by 1975. The trial irrigation has been provided during the 1978-79. The designed 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 34 years ago, and the Right Main Canal constitutes 22 nos of well type canal siphons, it has become difficult to supply water to the tail enders. Unless these canal siphons renovated or replaced with other type of C.D works as per its condition. The condition of the Dam section is also in detoriate which is now taken up under DRIP Scheme.

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


Executive Engineer
Murgada Irrigation Division
Murgada

SAIPALA IRRIGATION PROJECT

Saipala Irrigation Project is a reservoir scheme and inter district Project constructed across a tributary of River Ong near village Saipala at about 20 Kms from Nuapada in the District of Nuapada. The project comprises of an earth dam, a gated spillway and two distributary canals. The dam is situated at Latitude of $20^{\circ} 48' 00''$ N and Longitude $82^{\circ} 48' 00''$ E and the catchments intercepted is 86.30 Sq. Km.

Saipala Irrigation Project was taken up during the year 1972-73 and completed during the year 1982-83 at the cost of Rs.218.63 lakhs and the first irrigation water had been provided during the year 1978-79.

The designed cultivable command area of the project is 2752 ha and designed rabi ayacut is 1032 ha. The certified ayacut is 1691 ha. In Khariff, 767 ha in Rabi under Bargarh District and 561 ha in Khariff and 265 ha ha in Rabi under Nuapada District respectively.

Five numbers of Pani Panchayats has been formed under this Project and they are looking after the branch canals of the distributary system.



Executive Engineer
Nuapada Irrigation Division
Nuapada

DUMERBAHAL IRRIGATION PROJECT

Dumerbahal Irrigation Project is a reservoir scheme constructed across a tributary of River Ong near village Dumerbahal. The Project is located at about 25 kms from Nuapada District. The Project comprises of Earth Dam, ungated spillway and a Main Canal with distribution system. The dam is situated at latitude is $20^{\circ} 51' 00''$ N and longitude $20^{\circ} 41' 00''$ E. The catchment area of the Project is 90 Sq km.

The total design ayacut area of this project in Khariff is 2800 ha and in Rabi is 1120 ha. The certified ayacut is 2830 h. The entire ayacut area is in Bargarh District, though the head works and reservoir are in Nuapada District. The Project was taken up during the year 1974-75 and completed in June 1982 at the cost of Rs.366.65 lakhs. The first irrigation have been provided during the year 1979-80. But, in the year 1998-99, an extension of canals was taken up in Dhenkimunda Minor to create further irrigation potential of 770 ha by NABARD Assistance and to achieve this, the storage capacity of the reservoir was also increased by fixing gates over the crest of spillway. There by the water can be stored up to MWL i.e 292.50m increasing the height by 2.94m from FRL i.e 289.56m. But, the water is not being stored now due to the fact that in consequence upon fixing of the gate an additional area of 207.27 Acre of private land of villages Jampani, Tongo Pani, Sareipali, Khaliapani will be submerged in the reservoir. At present the re-field survey work is taken up for land acquisition proposal.

Eight numbers of Pani Panchayats has been formed under this Project and they are looking after the branch canals of the distributary system.


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