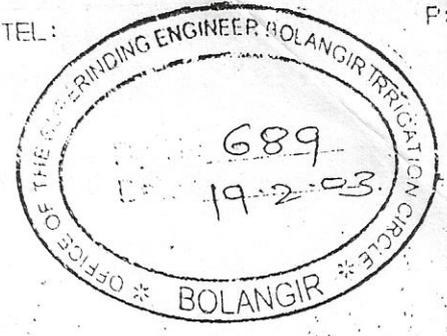


TEL:



No: 20011/10/2001-CP&R
Government of India
Ministry of Tribal Affairs

Shastri Bhawan, New Delhi-01
Dated : 14/01.2003

Upper Lanth
Irrigation
Project
15/2

To,
The Secretary,
Department of Water Resources,
Government of Orissa
Bhubaneswar

Subject: Clearance of R& R Plan in respect of Upper Lanth Irrigation
Project in Orissa

Sir,

With reference to your letter No. Irr-III-R&R (Med)-54/2001/38278/WR dated 04.10.2001, and in pursuance of approval of the Tribal Development, Government of Orissa, vide their letter No. 45636/SSD/BBSR dated 13.12.2002, this Ministry has no objection in according clearance to R&R Plan in respect of the aforesaid project.

2. This issues with the approval of Hon'ble MTA.

Yours faithfully,

(Ramesh Chandra)
Director (CP&R)

No. _____ dt _____
copy submitted to S.E. PDE of
E.I.C. W.R. area in favour of
information.

No. 1212-13 dt 11-2-03
copy to S.E. B.I. ...
for information

Chief Engineer, Upper Lanth Irrigation Circle, Bhubaneswar

CR&R
CKR
ds

ML

6. UPPER LANTHA IRRIGATION PROJECT (ORISSA)

Estimated Cost	:	Rs. 48.99 Cr. (1990 SOR)
CCA	:	4700 ha.
Annual Irrigation	:	6105 ha.

While explaining the project proposal, the CE (PAC) indicated that this medium irrigation project envisaged irrigation benefit to a CCA of 4700 ha. in Bolangir district which forms a part of KBRK region. Since the project involves the displacement of 595 families out of which 207 families belong to Schedule Tribe, due care has to be taken for rehabilitation and resettlement of these families. Secretary, Ministry of Water Resources desired to know about R&R package. Representative of Orissa Government clarified that adequate provision for rehabilitation and resettlement of these families has been made in the estimate as per the norms of R&R policy of the State government. Advisor, Planning Commission remarked that the financial return from the project even at the end of 15th year is negative. He was of the view that such situation should not happen as the water rates have been enhanced in Orissa recently. Secretary, Ministry of Water Resources expressed that the economic viability is the accepted criterion for irrigation projects and financial viability is an indicator for the planners to review the water rates. After some deliberation, the project was accepted by the Committee subject to:

- (i) Forest clearance from Ministry of Environment and Forest for diversion of 39440 ha. of forest land.
- (ii) Clearance of R&R Plan from Ministry of Tribal Affairs.
- (iii) Concurrence of State Finance Department.
- (iv) Monitoring of ground water levels in the post-irrigation stage and necessary ground water utilisation plan may be prepared in consultation with the State Ground Water Department at that time if it deems feasible to explore the possibility of conjunctive use of ground and surface water.

(Action: NCEP/WRD/FA/State Government)

OFFICE OF THE CHIEF ENGINEER,
PROJECT PLANNING FORMULATION & INVESTIGATION, ODISHA
SECHA SADAN, BHUBANESWAR

No. CE-(P)-W-F/C - 14/2016 - 1083

/Dated, the 22/03/2017

From: Er. B. B. Panda,
Chief Engineer, P P F & Inv.

To

The Addl. PCCF and Nodal Officer (FC Act),
Office of the PCCF,
Aranya Bhawan, Bhubaneswar.

Sub.- Authorization in favour of E.E, Padampur Inv. Division for signing of the Forest Diversion Proposal of Upper Lanth Irrigation Project.

Sir,

I hereby authorize Er. Manoranjan Mohapatra, Executive Engineer, Padampur Investigation Division, Padampur, Dist. Bargarh, whose signature is attested below to sign and submit the Forest Diversion Proposal and related documents of Upper Lanth Irrigation Project for e-filing on behalf of Department of Water Resources, Odisha.

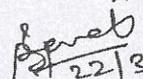
He is also authorized to give undertaking to pay the statutory payments whenever required for this purpose only.

Signature.....

Name: Manoranjan Mohapatra.

Designation: Executive Engineer.

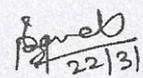
Yours faithfully,


22/3/17
Chief Engineer, P P F & I

Memo no. 1084

Dtd. 22/03/2017

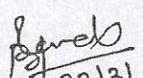
Copy forwarded to the Divisional Forest Officer, Bolangir for information and necessary action.


22/3/17
Chief Engineer, P P F & I

Memo no. 1085

Dtd. 22/03/2017

Copy forwarded to the E.E, Padampur Inv. Division, Padampur for information and necessary action w.r.t his letter no. 632(WE) dtd. 20.03.17.


22/3/17
Chief Engineer, P P F & I

	C.C.A. of Left Canal Ayacut	4052.40 ha.
	13. District wise C.C.A.	Bolangir 4700 ha.
VII	<u>POWER GENERATION</u>	
	1. Proposed Hydroelectric power	1 No.x 210 KW (Unit to be installed at the head of left main canal)
VIII	<u>PROVISION OF DRINKING WATER</u>	
	1. Provision of Drinking Water	2.19 Mcum for 30,000 people
IX.	<u>COST ESTIMATES</u>	
	1. Cost of Unit-I Head Works.	Rs.3560.84 lakhs
	2. Cost of Unit-II Main Canal & its Distribution System.	Rs. 1325.35 lakhs
	3. Cost of installation of Mini Hydel Project	Rs.12.81 lakhs.
	Total	Rs. 4899.00 lakhs
	4. Cost per ha. of gross irrigated area	Rs. 80,246.00 lakhs
	5. Cost per ha. C.C.A.	Rs. 1,04,234.00
	6. B.C. ratio at 10% rate of interest	Rs. 1.66:1
	7. Internal rate of Return (IRR)	20.37
X.	<u>PRODUCTIVITY LEVELS (BENEFIT PER HECTARE)</u>	
	1. Before project	Rs. 71.92 lakhs.
	2. After project	Rs. 1133.82 lakhs


Executive Engineer
 Padampur investigation Division
Padampur

Population affected 972 nos.

	Type of Dam	Homogeneous Earth fill dam with a provision of concrete Ogee type spillway of length 99 m.
2.	Total length of Dam	2495 m.
3.	Maximum Height of Dam	23.5 m.
4.	Deepest Bed level	275 m.
5.	Top width	6.00 m.
6.	Free Board	3.0 m.
7.	Top Level of Dam	298.5 m.
V	<u>SPILLWAY</u>	
1.	Type of spill way	Concrete Ogee type
2.	Length of spillway	99.00 m
3.	Crest level of spillway	289.50 m.
4.	Size & number of gate	12m x 6.5m size & 7 nos.
5.	Type of gate	Radial
Vi	<u>DISTRIBUTION SYSTEM</u>	
1.	Gross command area (GCA)	6170 ha.
2.	Culturable command area (CCA)	4700 ha.
3.	Percentage of C.C.A. to G.C.A.	76.17%
4.	Intensity of irrigation during Khariff	85%
5.	Intensity of irrigation during Rabi	45%
6.	*Area irrigated during Khariff	3990 ha.
7.	Area irrigated during Rabi	2115 ha.
8.	Annual intensity of irrigation	130%
9.	Annual irrigation	6105 ha.
10.	Length of Main Canals	
	Left Main Canal	16.08 Km.
	Right Main Canal	6.66 Km.
11.	Capacity of Main Canal	
	Left Main Canal	3.60 Cumec
	Right Main Canal	0.53 Cumec
12.	C.C.A. of Right Canal Ayacut	647.60 ha.

**UPPER LANTH IRRIGATION PROJECT
ORISSA
SALIENT FEATURES**

I. LOCATION OF PROJECT

1.	Nearest Village	Chikili
2.	River	Lanth, A tributary of river Tel in Mahanadi Basin.
3.	Sub-Division	Patnagarh
4.	District	Bolangir
5.	Co-ordinates	Latitude-29°-38'-20" N Longitude-82°-53'-20" E
6.	Topo sheet reference	64P/2, 64L/14,64L/10
7.	Nearest Railway Station	Kantabanji

II.

HYDROLOGY

1.	Catchment area	189.07 Sq.km.
2.	Mean Annual monsoon rainfall	1099.67 mm
3.	Maximum Annual monsoon rainfall	1508.10mm
4.	Minimum Annual monsoon rainfall	102.00mm
5.	Run off at 75% dependability	4697 MCM
6.	Design flood discharge	1864.6 Cumec

III.

RESERVOIR

1.	Full Reservoir level (FRL)	295.50 M.
2.	Maximum Water Level (MWL)	295.50 M.
3.	Dead Storage Level (DSL)	285.00 M.
4.	Dead Storage	5.64 MCM
5.	Gross Storage at FRL	46.50 MCM
6.	Live storage	40.86 MCM
7.	Submerged area at FRL	780.67 ha.
8.	Submerged area of forest	391.31 ha.
9.	No. of villages affected	2 nos. village
10.	No. of families affected	342 nos.
	Schedule Tribe	110 nos.
	Schedule Caste	22 nos.
	General	210 nos.

13

No. 16/27/2000.PA (C-1)
GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

2226
23-6-00

2663
21/7/00

407, SEWA BHAVAN,
RK PURAM,
NEW DELHI-110066.
FAX-6103564

Dated: 9 June 2000.

Subject: 73rd Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 31/05/2000.

Summary record of discussions of the above meeting held at New Delhi on 31st May 2000 is enclosed for information and necessary action please.

Encl: As stated above.

(R.N.P.SINGH)
CE (PAO) &
Member Secretary -
Advisory Committee

Copy to:

MEMBERS OF COMMITTEE:

1. Chairman, CWC, Sewa Bhawan, R.K.Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
3. Secretary, Department of Power, S.S. Bhawan, New Delhi.
4. Secretary, Ministry of Environment & Forests, Parvathan Bhawan, CCO Complex, New Delhi.
5. Secretary, Ministry of Tribal Affairs, R. No. 603, A-Wing, Shastri Bhawan, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Director General, ICAR, Krishi Bhawan, New Delhi.
8. Chairman, CEA, Sewa Bhawan, R.K.Puram, New Delhi.
9. Chairman, Central Ground Water Board, Jan Nagar House, Man Singh Road, New Delhi-110011.
10. Adv. Sec. (WR), Planning Commission, Yojana Bhawan, New Delhi.
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Financial Adviser, Ministry of Water Resources, S.S. Bhawan, New Delhi.