



GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES

ANNUAL REPORT
OF
CUTTACK INVESTIGATION DIVISION,
JOBRA, CUTTACK-7
FOR THE YEAR 2016-17

April, 2017

Executive Engineer,
Cuttack Investigation Division,
Jobra, Cuttack-7.

Name of the Division – Cuttack Investigation Division, Jobra, Cuttack-7.

Cuttack Investigation Division, Jobra, Cuttack-7 has the following named Sub-divisions and Sections under the jurisdiction of different Districts in Odisha. These Sub-divisions are functioning their office and executing the Survey & Investigation works of different Major & Medium Irrigation Projects and In stream storage structures in the Head Quarter as mentioned below:

1. Asst. Executive Engineer, Cuttack Investigation Sub-division No.I, Dasapalla, Head Quarter at Dasapalla of Nayagarh District.
2. Asst. Executive Engineer, Cuttack Investigation Sub-division No.II, Pattamundai, Head Quarter at Pattamundai of Kendrapara District.
3. Asst. Executive Engineer, Angul Investigation Sub-division, Angul, Head Quarter at Angul of Angul District.
4. Asst. Executive Engineer, Samakoi Investigation Sub-division, Khamar, Head Quarter at Khamar of Angul District.

Besides, Vansadhara Water Dispute Cell headed by one Superintending Engineer and assisted by one Executive Engineer is functioning at New Delhi and deals with the Inter State Water Dispute cases.

Since, the Executive Engineer, Vansadhara Water Dispute Cell, New Delhi has not yet been declared as D.D.O., the Chief Engineer, Project Planning, Formulation & Investigation, Secha Sadan, Odisha, Bhubaneswar has authorized to the Executive Engineer, Cuttack Investigation Division, Jobra, Cuttack-7 to incur expenditure for payment of the bills vide his letter No.955/W.E. Dtd.02.02.2011. This Division is incurring expenditure on the main items such as payment towards hiring of accommodation, engagement of staff through outsourcing, hiring of vehicle and other miscellaneous expenses of the Cell.

1. Asst. Executive Engineer, Cuttack Investigation Sub-division No.I, Dasapalla, Head Quarter at Dasapalla of Nayagarh District deals the Survey & Investigation works of Brutang Irrigation Project (Major) in Nayagarh District.
2. Asst. Executive Engineer, Cuttack Investigation Sub-division No.II, Pattamundai, Head Quarter at Pattamundai of Kendrapara District deals with the Gauge & Discharge observation work of river Brahmani, Nuna, Birupa and Chitrotpalla. The repair & maintenance work of computers & computer peripherals and procurement of computer consumables in the O/o the Chief Engineer, Project Planning, Formulation & Investigation, Secha Sadan, Odisha, Bhubaneswar and the Division Office, maintaining the transaction of I.W.D. Cell, New Delhi.

3. Asst. Executive Engineer, Angul Investigation Sub-division, Angul, Head Quarter at Angul of Angul District deals with the Survey & Investigation works of Hidising Irrigation Project in Angul District, Champalijore Irrigation Project in Sambalpur District, Kutulisinga Irrigation Project in Angul District and In Stream Storage Structures-cum-Barrage at Ardaulia, Khalpal & Kuchila.
4. Asst. Executive Engineer, Samakoi Investigation Sub-division, Khamar, Head Quarter at Khamar of Angul District deals with the Survey & Investigation works of Samakoi Irrigation Project (Barrage) in Angul District, Mankada Irrigation Project in Angul District, Hinjili Irrigation Project in Deogarh District, Upper Samakoi Irrigation Project in Angul District and In Stream Storage Structures-cum-Barrage at Santeibhanj, Dubulapal, Bangurupal, Hatimunda, Sadhubahali & Koradapasi etc.

Besides the above work this Division maintaining the expenditure and Logistic Arrangement of I.W.D. Cell, New Delhi

Executive Engineer,
Cuttack Investigation Division,
Jobra, Cuttack-7.

ANNUAL REPORT FOR THE YEAR 2016-17

Sl. No	Name of the Project.	Progress during the year.		Activities taken up.
		Physical.	Fin (Rs. in Lakhs)	
1	2	3	4	5
01(a)	Brutang Irrigation Project (Major)	(i)- Posting of RCC pillars in and around of command area where forest boundary exist.	68.58	Completed Compliance to the conditions of the Stage-I clearance Out of 35 Nos stipulation 33 Nos have already been complied and 2 Nos are to be complied within the month of June,2017.
		(ii) DGPS survey and posting of boundary pillars of Reservoir & Main canal	67.50	Completed
		(iii) DGPS survey and posting of boundary pillars of Compensatory afforestation Area.	67.24	Completed
		(iv) DGPS survey and posting of boundary pillars of Disty.	31.61	Completed
		(v) ORSAC Certification of DGPS maps	17.77	Completed
		(vi) Deposit towards Wild Life Management plan in Adhoc Campa account as per stipulation of Stage-I approval.	3326.24	Complied stipulation No.IX as per Stage-I approval.
		(vii) S/I works	3.95	Continuing
		Total =	3582.89	
02	S/I of Samakoi Irrigation Project.	(i) DGPS survey of Forest Diversion Proposal	46.00	DGPS survey and postings of RCC Pillars under progress.
		(ii) ORSAC certification of DGPS Map	9.59	Completed
		(iii) 6 Nos. Drilling holes In stream Storage Structure at Nuagarh.	6.06	Completed
		(iv) S/I work	8.35	Continuing
		Total=	70.00	
03	S/I of Hinjil Irrigation Project.	Command area Survey L.S and C.S	13.15	Under Progress
		S/I work	1.11	
			7.20	Under Progress
		Total=	21.46	
04	S/I of Hidising Irrigation Project.	Forest Diversion Proposal	10.08	Under Progress
		C.S & L.S of Canal alignment.	1.50	Completed
		S/I Work	8.72	Under progress
		Socio-Economic Survey	0	Completed

		Total=	20.30	
05	G & D Observation	G & D Observation in river Brahmani, Chitrotpala & Nuna.	12.89	Continuing
06	S/I of Champalijore Irr. Project.	S/I works	8.90	Under Progress
07	S/I of Mankada Irrigation Project	S/I works	8.66	Under Progress
	.	Command area survey L.S & C.S. of canal	8.83	Completed
		Foundation drilling holes in instream storage structure cum barrage at Sateibhanj and Dubulapal	5.07	Completed
		Total =	22.56	
08	S/I of Kutulisinga Irr. Project	S/I works.	9.33	Under Progress
		DGPS Survey of F.D.P	31.1	Under Progress
		Total=	40.43	
09	S/I of Upper Samakoi Irrigation Project	S/I works	7.58	Under Progress
		Command area survey	12.09	Under Progress
		Reservoir Survey	1.66	Under Progress
		Total =	21.33	
10	Check Dam at Sadhubahali.	S/I works for taking up L.S & C.S	1.09	Foundation drilling and core logging completed. L.S and C.S completed on river Tikira, ayacut survey is under progress .
11	Check Dam at Koradapasi	S/I works for taking up L.S & C.S	1.52	Foundation drilling and core logging completed. L.S and C.S completed on river Tikira, ayacut survey is under progress .
12	Check Dam at Metalia	5 Nos. of drilling holes at Metalia.	6.17	Drilling works completed and Ayacut survey to be taken up.
13	Check Dam at Bangurupal	S/I works for taking up L.S & C.S	1.09	Foundation drilling and core logging completed. L.S and C.S completed on river samakoi, ayacut survey is under progress .
14	Check Dam at Nuagarh	S/I works for taking up L.S & C.S	2.0	Foundation drilling and core logging completed. L.S and C.S completed on river samakoi, ayacut survey is under progress .
15	Check Dam at Dubulapal	S/I works For taking L.S & C.S and Ayacut survey.	1.93	Foundation drilling and core logging completed. L.S and C.S completed on river samakoi, ayacut survey is under progress .
16	Check Dam at Sateibhanj	S/I works for taking up L.S & C.S	2.0	Foundation drilling and core logging completed. L.S and C.S completed on

				river samakoi, ayacut survey is under progress .
17	Check Dam at Telkoi	6 Nos of drill holes at Telkoi	6.6	Foundation drilling and core logging completed. L.S and C.S completed on river samakoi, ayacut survey is under progress .
		S/I works for taking up L.S & C.S	1.0	Completed
18	Check Dam at Dandumunda	S/I works for taking up L.S & C.S	1.1	Foundation drilling and core logging completed. L.S and C.S completed on river samakoi, ayacut survey is under progress .
19	Check Dam at Binjabahal	S/I works for taking up L.S & C.S	1.09	Foundation drilling and core logging completed. L.S and C.S completed on river Mankada, ayacut survey is under progress .
20	Check dam at Karlaga	S/I works for taking up L.S & C.S and Ayacut survey	1.09	Foundation drilling and core logging completed. L.S and C.S completed on river Hinjili, ayacut survey is under progress .
21	Check Dam at Baidhehipur in river Andharijore	10 Nos drill holes at village Arkoli and Baidehipur.	8.83	Foundation drilling completed and Correspondence has been made for core logging. L.S and C.S completed on river Andharijore, ayacut survey is under progress .
		S/I works for taking up L.S & C.S	1.09	Completed
22	Check Dam at Khorba	5 Nos of drill holes in instream storage structure cum barrage at Khorba	6.84	Completed
		S/I works for taking up L.S & C.S	1.88	Completed and Ayacut survey to be taken up
23	Check Dam at Kakharua	5 Nos. drill hole in instream storage structure cum barrage at Kakharua	4.98	Ayacut survey is under progress Drilling works completed
24	S/I of waterway of River Tantighai	S/I works for taking up L.S & C.S and preparation of report.	3.13	Completed
25	S/I works of Check dam near Sptamatruka Temple	S/I works for taking up L.S & C.S and Topographical survey for preparation of project report preparation of constructional drawing and design and technical investigation of foundation drilling etc.	12.81	Completed
26	Check dam at	S/I works	0.29	Foundation drilling and

	Deobahali	for taking up L.S & C.S		core logging completed. L.S and C.S completed on river Khorba, ayacut survey is under progress .
27	Check dam Kholamunda	S/I works for taking up L.S & C.S	0.59	Foundation drilling and core logging completed. L.S and C.S completed on river khorba, ayacut survey is under progress .
28	Check dam at Pandaripathar	5 Nos. drill hole in instream storage structure cum barrage at Pandaripathar	3.66	Drilling works completed and Ayacut survey is to be taken up.
29	Check dam at Panikimal	5 Nos. drill hole in instream storage structure cum barrage at Panikimal	4.99	Drilling works completed and Ayacut survey is to be taken up.
30	Check dam at Tileipasi	S/I works for taking up L.S & C.S	1.52	Foundation drilling and core logging completed. L.S and C.S completed on river Khorba, ayacut survey is under progress
31	Check dam at Saruali	Foundation drilling	6.75	Foundation drilling and core logging completed. L.S and C.S completed on river Jautukanala, ayacut survey is under progress
32	Check dam at Brukuna, Chandrabila, Patakhamana and Singadajore.	Misc. Survey work	0.04	
33	Check dam at Patrapada.	L.S and C.S	1.23	Completed.
		Total =	Rs. 3886.08	
	Salary		Rs. 137.92	
	T & P		Rs. 16.10	
		Total-	Rs. 4040.10	
34	Expenditure for I.W.D Cell, New Delhi/ Logistic arrangement		Rs. 93.34	
		G.Total=	Rs. 4133.44	

Executive Engineer,
Cuttack Investigation Division,
Jobra, Cuttack-7.

S/I of Brutang Irrigation Project (Major).

PRESENT STATUS.

- All topographical survey completed.
- Gauge & Discharge observation is continuing.
- The project has obtained Techno-economical clearance from C.W.C., Ministry of Water Resources in 75th T.A.C. meeting held at the New Delhi on 18th December, 2000.
- R & R clearance obtained from Ministry of Tribal Affairs, Government of India vide their letter No.200011/8/2003-CP and R/NGO Dtd.09.06.2008. Revised R & R Plan without Buguda colony and Jhantikabari to be prepared with the alternate suitable land identified by the Tahasildar, Dasapalla in 17 villages as communicated vide letter No.2284 Dt.31.10.2013 by the Collector & District Magistrate, Nayagarh. The Revised R.R. Policy has been prepared and submitted to the D.F.O., Nayagarh vide this office letter No.868/W.E. Dt.15.04.2015.
- Environmental clearance obtained from Ministry of Environment and Forests, Government of India vide their letter No.12011/87/2005-IA-I-Dtd.02.06.2006 up to 02.06.2011.

The revalidation of environmental clearance of the project has been obtained up to 02.06.2016 from M.o.E.F., Government of India vide their letter No.J-12011/87/2005-IA.I. Dtd.15.01.2013.
- Stage-I Forest clearance obtained from Ministry of Environment and Forests, Government of India vide their letter No.F.No.8-23-FC-Dtd.31.08.2010 and F. No.8-23/2010 F Dtd.09.09.2010.
- For Stage-I clearance 35 Nos. of stipulations are to be complied. Out of 35 Nos. of stipulation of condition, 33 Nos. have already been complied and 2 Nos. compilation are under process for stipulation No.IV, XXII.

S/I of Samakoi Irrigation Project.

PRESENT STATUS

- Necessary Topographical Survey is completed.
- Recording of Gauge and Discharge, Meteorological and Ground Water observation are continuing.
- The project has been cleared by the T.A.C. of C.W.C., M.o.W.R, Govt. of India at it's 73rd meeting held on 31.05.2000.
- The Environmental Clearance has been obtain from SEIAA, Odisha, BBSR.

FOREST CLEARANCE.

Pond Submergence-	83.52 Ha.
Main Canal & distributaries-	142.30Ha.
Minor & Sub-Minor-	<u>144.14Ha.</u>
Total =	369.96 Ha.

Geo reference Forest land using DGPS including ORSAC certification DGPS survey of Compensatory afforestation land , preparation of Catchment area Treatment Plan documentation and e-filing of Forest Diversion Proposal is under progress.

S/I of Hidising Irrigation Project.

PRESENT STATUS

- Necessary topographical survey has been completed.
- Recording of Gauge & Discharge, Meteorological & Ground Water survey are continuing.
- The feasibility stage clearance has been obtained from Central Water Commission on Dt.08.09.2008.
- The Detailed Project Report has been submitted by the Chief Engineer, Project Planning and Formulation, Odisha, Bhubaneswar to the Central Water Commission, Bhubaneswar vide his letter No.248/W.E. Dt.31.03.2010. Necessary compliance has also been submitted to the C.W.C. The D.P.R. has been accepted in principle at the Regional Office of C.W.C., Bhubaneswar. It will be submitted to the C.W.C. head quarters at New Delhi on receipt of information regarding significant progress of statutory clearances like forest, R & R and Environment etc.
- Consultancy for technical support for documentation and processing of Forest Diversion Proposal is under progress through M/s. O.C.C. Ltd,BBSR vide MOU No.06 of the year 2015-16.

S/I of Champalijore Irrigation Project.

PRESENT STATUS

- Necessary Topographical Survey has been completed.
- Recording of Gauge and Discharge, Meteorological and Ground Water Survey are continuing at Dam and ayacut area.
- The feasibility stage clearance has been obtained from Central Water Commission.
- Detailed Project Report has been accepted in principle at Central Water Commission, Bhubaneswar. It will be submitted to Central Water Commission head quarters for consideration of T.A.C. on receipt of information regarding substantial progress of statutory clearances for Forest, Environment and R & R.
- The Chief Engineer, P.P.F. & I., Odisha, Bhubaneswar has submitted the application in Form-I and T.O.R. along with scrutiny to amounting to Rs.5.00 lakhs to S.E.I.A.A. vide his letter No.6046/W.E. Dt.15.11.2011.
- The Collector and D.M.Sambalpur is intimated to provide 500 Ha. of non forest Govt. Land for compensatory afforestation and 750.30 Ha of Non forest Govt. Land for R & R Purpose vide this office Lr. No.1424 dt.16.07.2015.
- The Collector and D.M.Sambalpur is intimated the Tahasildar ,Rairakhol / Naktideula / Jujumura to provide 500 Ha. of non forest Govt. Land for compensatory afforestation and 750.30 Ha of Non forest Govt. Land for R & R Propose vide his Lr. No.3670dt.15.12.2015 and Lr. No.637 Dt.25.02.2017.

S/I of Hinjili Irrigation Project.

PRESENT STATUS

- Necessary Topographical Survey has been completed.
- Hydrological observation such as Gauge and Discharge, Meteorological and Ground Water Survey are continuing at Dam and Command Area.
- Feasibility stage clearance has been obtained from Central Water Commission, Bhubaneswar vide their Lr. No.M & A/AP/34/2009/706 Dtd.07.10.2011.
- Preparation of Detail Project Report is in progress and likely to be submitted.
- The Executive Engineer, Cuttack Investigation Division, Jobra, Cuttack-7 has requested the Executive Engineer, Deogarh N.H. Division, Deogarh for alternate road arrangement of 4.00 K.M. due to submergence in the reservoir vide his letter No.1803 Dt.03.09.2015.
- Preparation of D.P.R. is under progress.
- The D.G.P.S. Survey along with Forest Diversion Proposal is proposed to taken up during the financial year 2017-18.
- The Ayacut survey of the command area is under progress.

S/I of Mankada Irrigation Project.

PRESENT STATUS

- Necessary Topographical Survey has been completed.
- Recording of Gauge and Discharge, Meteorological and Ground Water Survey observation are continuing.
- The feasibility stage clearance has been obtained from Central Water Commission, Bhubaneswar on dated, 21.05.2009.
- The Detailed Project Report has been submitted to Central Water Commission, Bhubaneswar by C.E., P.P. & F., Odisha, Bhubaneswar vide his letter No.655 Dtd. 02.02.2012. The D.P.R. has been accepted in principle by the C.W.C., BBSR vide their Lr No- M & A/AP/27/2006/244 Dtd.04.04.2012. It will be submitted to the C.W.C. head quarters, New Delhi for consideration of T.A.C. on receipt of information regarding substantial progress of statutory clearances such as Forest, Environment and R & R.
- The DGPS survey along with forest diversion proposal is proposed to be taken up during the financial year 2017-18.

S/I of Kutulisinga Irrigation Project.

PRESENT STATUS

- Necessary Topographical Survey has been completed.
- Recording of Gauge and Discharge, Meteorological and Ground Water Survey are continuing.
- The feasibility stage clearance has been obtained from Central Water Commission on dated, 31.12.2008.
- The Detailed Project Report has been submitted to the Central Water Commission, Bhubaneswar. The D.P.R. has been examined and is found to be in order. It will be submitted to the Central Water Commission head quarters, New Delhi for obtaining T.A.C. clearance on receipt of information on substantial progress of the statutory clearances such as Forest, Environment and R & R.
- The forest diversion proposal & DGPS survey will be taken up.
- The Chief Engineer, P.P.F. & I., Odisha, Bhubaneswar vide Ir. No.3462 Dt.27.08.2014 has instructed to take up command area survey of different projects. Estimate has been prepared for alignment of main canal & it's system and submitted to the Superintending Engineer, Southern Inv. Circle, Berhampur vide this office letter No.3286 Dt.30.12.2015 for kind approval.
- Documentation and processing of forest diversion proposal including preparation of Catchment Area Treatment Plan is under progress through M/s. O.C.C.Ltd.BBSR vide MOU No.04 of 2016-17.

S/I of Upper Samakoi Irrigation Project.

PRESENT STATUS.

- This is a newly taken up project.
- Carrying of G.T.S. Bench Marks from Pallahara to the Project Site is completed.
- River Survey (L.S. & C.S.) completed.
- F.R.L. survey has been completed.
- Ayacut area survey is in progress.
- The Gauge Station at Hatimunda has been installed. Gauge observation is continuing since Dt.01.06.2012.
- The pre feasibility report has been submitted to the Chief Engineer, Project Planning & Formulation, Odisha, Bhubaneswar by the Executive Engineer, Cuttack Investigation Division, Jobra, Cuttack-7 vide Lr No-1738/WE Dtd.17.09.2012.
- The drilling work on Dam axis is completed and core logging data received. The ayacut survey of the project is continuing .

Compliance to the conditions of Stage-I forest clearance of Brutang Irrigation Project (Major) vide
M.o.E.F. letter No.F.No.8-23/2010 FC, Dtd.31.08.2010 & 09.09.2010.

Sl. No.	Stipulated Conditions.	Compliance.	Action taken.
(i)	Legal status of the diverted forest land shall remain unchanged.	An undertaking has been submitted by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.	Complied.
(ii)	Compensatory Afforestation over equivalent non-forest land shall be raised and maintained by the State Forest Department at the cost of the User Agency.	As per current wage structures an amount of Rs.7,75,47,282.00 has been deposited through RTGS in the Adhoc Campa Savings Bank A/C No.344902010105428 of Union Bank of India, Sundar Nagar Branch, New Delhi.	Complied.
(iii)	The non-forest land identified for raising Compensatory Afforestation shall be transferred and mutated in favour of the State Forest Department.	The identified Non-forest land 1524.17 Ha. for raising compensatory afforestation has already been transferred by Revenue Department and mutated in favour of the State Forest Department during July, 2012.	Complied.
(iv)	The non-forest land identified for raising Compensatory Afforestation shall be notified by the State Government as Reserved Forest under Section-4 or Protected Forest under Section-29 of the Indian Forest Act, 1927 or under the relevant Section (s) of the local Forest Act, as the case may be, within a period of six months.	CAF land details with DFO (T) Nayagarh.	Forest settlement officer / Dy Collector, Nayagarh, DFO (T), Nayagarh, Forest & Environment Department, Odisha (Revenue Department)
(v)	The User Agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage structure to the State Forest Department.	As per current wage structures an amount of Rs.7,75,47,282.00 has been deposited through RTGS in the Adhoc Campa Savings Bank A/C No. 344902010105428 of Union Bank of India, Sundar Nagar Branch, New Delhi.	Complied.
(vi)	The State Government shall charge the Net Present Value (NPV) of the forest area diverted under this proposal from the User Agency as per orders of the Hon'ble Supreme Court of India dated 28.03.2008, 24.04.2008 and 09.05.2008 in Writ Petition (Civil) No.202/1995 and the guidelines issued by this Ministry vide its letter No.5-3/2007-FC dated, 05.02.2009 in this regard.	The Executive Engineer, Cuttack Investigation Division, Jobra, Cuttack-7 has deposited the Net Present Value (NPV) amounting to Rs.143,12,00,000.00 on Dt.30.03.2013 in favour of Adhoc Campa through Account No.344901010070194 of Union Bank of India, Sundar Nagar Branch, New Delhi.	Complied.

(vii)	At the time of payment of the Net Present Value (NPV) at the present rate, the User Agency shall furnish an undertaking to pay the additional NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.	The additional payment on NPV will be deposited, if demand for this purpose will be raised by the Forest Department.	Complied. Undertaking has been submitted by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.
(viii)	All the funds received from the User Agency under the project shall be transferred to Adhoc Campa in Account Number-344901010070194 of the Union Bank of India, Sunder Nagar Branch, New Delhi.	The detail of funds deposited in Adhoc Campa Account of the Union Bank of India, Sunder Nagar Branch, New Delhi. NPV= Rs.143,12,00,000.00 Catchment area Treatment plan for Forest land. Rs. 4,85,55,840.00 Catchment area Treatment plan of Non-forest land. Rs. 3,47,42,000.00 Compensatory Afforestation.Rs.7,75,47,282.00 Estt. of three Nos. anti-poaching-cum-anti-depredation camp. Rs.3,98,28,600.00 Constn. of Watch tower.Rs. 63,60,000.00 Nesting of Birds. Rs. 17,00,000.00 Setting of Permanent Nursery. Rs. 1,59,32,000.00 Wild Life Management Plan. Rs. 33,26,24,000.00 Total= Rs.1,98,84,89,722.00	Complied.
(ix)	The State Government shall commission detailed studies by a team of experts which should include a reputed wildlife specialist, preferably recommended by the Wildlife Institute of India, Dehradun to study the impact on Wildlife Management and to recommend appropriate ameliorative/mitigative measures to minimize the likely adverse impact of the project on the forests and wildlife in and around the command area.	As per the recommendation by the Wild Life Institution of India, Dehradun, the constituted teams of expert headed by Dr. C.R. Mohapatra, I.F.S. (Retd.) for study the impact on wild life management. The plan has been prepared with a cost estimate of Rs.3326.24 lakhs submitted to the Principal Secretary to Government, Forest & Environment Department, Odisha, Bhubaneswar vide P.C.C.F., Wild Life & Chief Wild Life Warden, Odisha vide letter No.8853 Dt.04.11.2013.	Complied. The wild life management plan along with Application form in Part-I, Part-II, Part-III & Part-IV has been submitted to NBWL by State F & E Department vide Ir. No.17248/F & E Dt.29.09.2015.As per demand of D.F.O, Nayagarh 3326.24 Lakhs has been deposited.
(x)	Being a large project with considerable area of forest being cleared, as well as a large tribal population and landless persons being displaced, there may be chances of considerable adverse impacts on those people who may suffer loss of forest based	The study report prepared by N.C.D.S., Bhubaneswar has been submitted to the D.F.O. (T), Nayagarh Division vide this office letter No.2793/W.E. Dt.26.12.2014.	Complied.

	livelihood and may not receive any commensurate benefits from the agriculture based development. This may also increase pressure on the remaining forest area loading to further destruction of forest and wildlife habitat. Hence, a study by a sociologist is also to be carried out on the possible impacts on the likely erosion of livelihood and increase of forest-dependence from the implementation of the project as well as the issue of settlement of forest rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Settlement of Forest Rights) Act, 2006.		
(xi)	As proposed by the Chief Wildlife Warden, Government of Odisha, the State Government shall declare the area adjacent to the southern boundary of the Baisipalli Wildlife Sanctuary between Takara in the east and Banigochha in the west, covering Central Reserved Forest, Chadheia Palli Reserved Forest, Nasaghar Reserved Forest and the entire proposed water reservoir as a 'Conservation Reserve' under Section 36 (a) of the Wildlife (Protection) Act, 1972.	The B.D.O., Dasapalla has submitted the resolution of 84 No of villages of Palli Sabha with videography in 3 phases to the DFO(T), Nayagarh vide their letter No.1662 with enclosure dated 11.05.2015 and No. 1779 Dt. 26.05.2015 and No.976 Dt.01.03.2017 and the Executive Engineer, Cuttack Inv. Division, Jobra, Cuttack-7 intimated vide their Lr. No.1003 Dt.12.04.2017 DFO (T), Nayagarh will submit the proposal to the Principal Secretary to Govt, Forest and Environment Department, Odisha, BBSR for declaration of "Conservation Reserve" .	Completed Forest & Environment Department and Revenue Department, Odisha.
(xii)	The User Agency shall provide sufficient cross overs as advised by the wildlife experts over the link canal to ensure unhindered movement of elephants from and towards the Baisipalli Wildlife Sanctuary and also provide sufficient points for watering spots for the wildlife on the sides of canal as advised by the wildlife experts.	Action will be taken during execution of the project work as per the wild life management report.	Complied. The undertaking has been submitted to the D.F.O., Nayagarh by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.
(xiii)	The State Government shall set up at least three anti-poaching-cum-anti-depredation camps at strategic locations and deploy adequate number of forest staff along with sufficient number of support staff to be engaged on contract/daily wages to supplement-forest staff, with provision of camping shed, tube	The revised estimate has been approved by RCCF(O) , BBSR and demand has been raised by D.F.O.(T), Nayagarh vide his letter No.204 Dt.05.01.2016. An amount of Rs.3,98,28,600.00 has been deposited in the Adhoc Campa Savings Bank A/C No.344902010105428 of Union	Complied. Forest & Environment Department, Odisha

	well, VHF network, solar light, flare guns, fire arms (pistol and rifles) and dedicated departmental/ hired vehicle with adequate provision for P.O.L., maintenance etc.	Bank of India, Sundar Nagar Branch, New Delhi vide e-cheque No.160024 Dt.29.01.2016.	
(xiv)	The State Government shall construct at least two watch towers at strategic locations and depute adequate number of forest staff along with watch and ward/ support staff and VHF hand-sets etc.	The revised estimate has been approved by RCCF(O) , BBSR and demand has been raised by D.F.O.(T), Nayagarh vide his letter No.204 Dt.05.01.2016. An amount of Rs.63,60,000.00 has been deposited in the Adhoc Campa Savings Bank A/C No.344902010105428 of Union Bank of India, Sundar Nagar Branch, New Delhi vide e-cheque No.160024 Dt.29.01.2016.	Complied. Forest & Environment Department, Odisha
(xv)	The State Government shall create suitable facilities in the islands within the proposed reservoir for nesting of birds.	The revised estimate has been approved by R.C.C.F.(O), BBSR and demand has been raised by D.F.O.(T), Nayagarh vide his letter No.204 Dt.05.01.2016. An amount of Rs.17,00,000.00 has been deposited in the Adhoc Campa Savings Bank A/c No.344902010105428 of Union Bank of India, Sundar Nagar Branch, New Delhi vide e-cheque No.160064 Dt.26.02.2016.	Complied. Forest & Environment Department, Odisha
(xvi)	The User Agency shall provide fund for execution of the activities indicated in paragraph (xi) to paragraph (xv) above, including the amount required for implementation of the mitigative/ ameliorative measures to be recommended from the studies indicated in paragraph (ix) and paragraph (x) above.	Agreed.	Complied. Provision will be made and funds will be placed on approval of proposal and estimate.
(xvii)	The Buguda Colony area being a part of an existing elephant corridor, the State Government shall not undertake any activity for resettlement and rehabilitation (R & R) of the project affected families in that area and identify suitable alternate land, not falling in any elephant corridor, in lieu of the Buguda Colony area for R & R of the project affected families.	The revised R & R Plan has been prepared and submitted to the D.F.O., Nayagarh by the User Agency vide his letter No.868/W.E. Dt.15.04.2015.	Complied.
(xviii)	The State Government shall take appropriate measures to free the areas under illegal occupation in the Buguda Colony area and to bring the entire area under	The district administration will take appropriate action to free the area under illegal occupation in the Buguda Colony. Undertaking to be given by the	Complied. Undertaking has been submitted by the Tahasildar, Dasapalla to the Collector,

	Government occupation (i.e. revenue and forest land) in the Buguda Colony area, under plantations.	Tahasildar, Dasapalla to free the area under illegal occupation in the Buguda Colony.	Nayagarh vide their letter No.9447 Dt.17.06.2015 and the copy of the same has been submitted to the D.F.O.(T), Nayagarh by the E.E., Cuttack Investigation Division vide letter No.1183/WE Dt.17.06.2015.
(xix)	The State Government shall ensure that no land in Jhintikabari village, located in an important elephant migratory route, is utilized for resettlement of the project affected families.	The district administration has submitted the suitable land proposal in lieu of the land coming under the elephant corridor in Village Jhintikabari.	Complied. Undertaking given by the Tahasildar, Dasapalla vide letter No.12325 Dt.04.09.2015 addressed to the D.F.O (T), Nayagarh.
(xx)	The State Government shall submit a comprehensive Resettlement and Rehabilitation (R & R) Plan for all project affected & displaced persons along with the report on recognition of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006.	The R & R plan has already been approved by Ministry of Tribal Affairs, Govt. of India. The comprehensive R & R plan has been prepared and submitted to the D.F.O., Nayagarh vide the User Agency letter No.868/W.E. Dt.15.04.2015.	Complied.
(xxi)	The User Agency shall construct ramps of around 50-100 meter wide span and 1:10 slope, at intersection of the canal with the elephant migration routes and other major forested areas.	The elephant migration routes on link canal will be constructed during construction of the project as per the recommendation by the wild life expert committee.	Complied. Undertaking to this effect has been submitted by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.
(xxii)	To ensure prevention and early detection of future encroachment in the existing forest land in and around command area of the proposed project, State Government shall demarcate boundary of all such forests by erecting geo-referenced (by using DGPS) boundary pillars of suitable size.	As directed by F&E department (Minutes of review meeting on status of FC of WR projects by DC and ACS F & E Deptt., Odisha) Water Resources Deptt. is take up the activity. The W.R. Deptt. is co-ordinating with Nayagarh Forest Division for identification of such forest land, based on which the survey & demarcation by using DGPS boundary pillars has been completed.	Complied The demarcation of boundary of such forests adjacent to command area has been complied by erecting geo-reference (by using DGPS) boundary pillars.
(xxiii)	User Agency shall ensure that the quantity of water released in the downstream river during the lean season after construction of the dam is maintained as per the	Provision will be made to supply required quantity of water to the downstream of the project as per the prescription in the Environmental Clearance of the	Complied. Undertaking has been submitted by the User Agency vide letter No.

	prescription in the Environmental Clearance or if no such level has been prescribed, than it shall not be less than 7% of the average peak monsoon flow in the river before construction of the dam, as recommended by the Chief Conservator of Forests (Central), Eastern Regional Office, Bhubaneswar.	project.	2799/WE Dt.29.12.2014.
(xxiv)	The State Government shall set up and operate a fully equipped permanent nurseries to ensure availability of superior quality seedlings of suitable long rotation forest species identified by the State Forest Department or the Gram Sabha concerned and to undertake plantation in the project affected villages under a programme of Social Forestry/ Agro Forestry to ensure sufficient woody biomass and small timber and other forest products for the use of the people.	The revised estimate has been approved by RCCF.(O) , BBSR and demand has been raised by D.F.O.(T), Nayagarh vide his letter No.204 Dt.05.01.2016. An amount of Rs.1,59,32,000.00 has been deposited in the Adhoc Campa Savings Bank A/c No.344902010105428 of Union Bank of India, Sundar Nagar Branch, New Delhi.	Complied. Forest & Environment Department , Odisha
(xxv)	The State Government shall ensure that as stipulated in the Environmental Clearance accorded by the Central Government for Rengali Irrigation Project Stage-II, vide Ministry of Environment & Forests letter No.112011/7/96-IA-I dated 04.12.1996, the Kapilash along with its adjoining forest blocks shall be declared as a Wildlife Sanctuary as per the Wildlife (Protection) Act, 1972	Steps have already been taken for declaration of conservation Reservoir and adjoining Baisipally Sanctuary as per Wild Life Protection Act, 1972.	Complied. Declaration to be made.
(xxvi)	No labour camp shall be established on the forest land.	No labour camp will established on the forest land during construction of project work.	Complied. Undertaking has been submitted by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.
(xxvii)	Sufficient fuel or any other alternate fuel for cooking etc. shall be provided by the User Agency to the labourers after purchasing the same from the State Forest Department or the Forest Development Corporation or any other valid source of alternate fuel. However, fuel wood should not be used.	The User Agency will take care that sufficient fuel will be supplied to the labourers from other sources in order to prevent the labourers to use fuel wood by collecting from the forest area during construction of the project work.	Complied. Undertaking has been submitted by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.

(xxviii)	The User Agency shall ensure that no damage is caused to the wildlife available in the area because of this project.	The user agency will take care that there will be no damage to the wild life during construction of the project.	Complied. Undertaking has been submitted by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.
(xxix)	The project area shall be demarcated on ground at the project cost, using four feet high RCC pillars, with each pillar inscribed with the serial number, forward and backward bearing etc.	Completed.	Complied.
(xxx)	The forest land shall not be used for any purpose other than that specified in the proposal.	The forest land will not be used for any purpose other than specified purpose in the proposal.	Complied. Undertaking has been submitted by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.
(xxxi)	The State Government shall complete settlement of rights, in term of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, if any, on the forest land to be diverted and submit the documentary evidence as prescribed by this Ministry in it's letter No.11-9/1998-FC (Pt.) Dated 03.08.2009 in support thereof.	All Gram Sabha have been completed. The District Welfare Officer, Nayagarh has submitted the copy of evidence of record (1 st phase) to the D.F.O., Nayagarh vide his letter No.739 Dt.11.05.2016.	Action to be taken by the Revenue & Forest Department.
(xxxii)	Any other condition that the Chief Conservator of Forests (Central), Eastern Regional Office of this Ministry at Bhubaneswar or State Govt. of Odisha may impose from time to time for protection and improvement of flora and fauna in the forest area affected by the project.	The Water Resources Department will comply the condition that will be imposed by the Forest Department and State Govt. of Odisha for protection and improvement of flora and fauna in the forest area affected by the project during and after construction of the project.	Complied. Undertaking has been submitted by the User Agency vide letter No.2799/W.E. Dt.29.12.2014.
Compliance to the additional conditions of Stage-I approval vide M.O.E.F.- F. No.8-23/2010-F.C. Dtd, 09.09.2010.			
(i)	As a part of the forest area proposed to be diverted is located within a distance of 10 K.M. from a Wildlife Sanctuary, the User Agency shall place Environmental Impact Assessment (EIA) for the project, before Standing Committee of the National Board for Wildlife (NBWL) and obtain its approval in accordance with the order of the Hon'ble Supreme Court of India in the W.P. (Civil) No.460 of 2004 in the matter of Goa Foundation Versus Union of India and Others.	The application form (Part-I, Part-II, Part-III & Part-IV) for obtaining necessary clearance from Standing Committee of N.B.W.L. has been submitted to the Addl. Chief Secretary to Govt. of Odisha, Forest & Environment Department by the P.C.C.F. (Wild Life) & Chief Wild Life Warden vide their letter No.2174 Dt.02.03.2015 and approved in the Standing Committee of State Board for Wildlife on Dt.04.04.2015 and submitted to the Inspector General of Forests (W.L), Government of India, Ministry of Environment & Forests and Climate Change (Wild Life Division), New Delhi vide Special Secretary to Government, Forest & Environment Department,	Complied. The EIA and EMP report submitted to DFO, Mahanadi Wild Life, Nayagarh as a part of document for onward submission to NBWL & sent vide Ir. No.17248/F & E Dt.29.09.2015 to M.o.E.F., New Delhi. The proposal has been sent to NTCA (National Tiger Conservation Authorities) for

		Govt. of Odisha, Bhubaneswar vide his letter No.17248 Dt.29.09.2015.	approval. After that, the same will be placed before NBWL for consideration.
(ii)	The State Government and the User Agency shall execute mitigation/ ameliorative measures to be recommended by the Standing Committee of the NBWL from the funds to be provided by the User Agency.	The guide lines will be followed during construction of the project work.	Complied. Undertaking has been submitted by the User Agency vide letter No.1158/W.E. Dt.12.06.2015.
(iii)	The Stage-I approval, of the Central Government, in accordance with Section-2 of the Forest (Conservation) Act, 1980, for diversion of the said forest land is subject to final order of the Hon'ble Supreme Court of India in W.P. (Civil) No.460 of 2004 in the matter of Goa Foundation Versus Union of India and Others, as may be applicable to this project.	The instruction of Ministry of Environment & Forests, Government of India as per the final order of Hon'ble Supreme Court will be carried out by the State Government.	Complied. Undertaking has been submitted by the User Agency vide letter No.1158/W.E. Dt.12.06.2015.

Executive Engineer,
Cuttack Investigation Division,
Jobra, Cuttack-7.

