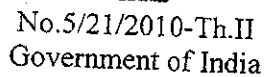


## Annexure I



Ministry of Power *Copy for kind info: D(F)/D(Em)/D(T)*  
\*\*\*\*\*  
*STAB COMD*

Shram Shakti Bhavan, Rafi Marg,  
New Delhi - 110001  
25<sup>th</sup> June, 2010

To

The Chairman & Managing Director,  
NTPC Limited,  
7, Institutional Area,  
Lodhi Road, New Delhi-110003

(Kind Attn: Shri N.K. Sharma, Executive Director, CP)

Subject: Grant of mega power project status in favour of Darlipali Super Thermal Power Project Stage-I (2x800 MW) of NTPC in Orissa.

Sir,

I am directed to NTPC's letter No. 01/CP/NP/Darlipali-I dated 16.04.2010 requesting for grant of mega power project status in favor of Darlipali Super Thermal Power Project Stage-I (2x800 MW) of NTPC in the district of Sundergarh in Orissa.

2. Certificate in original signed by Shri I.C.P Keshari, Joint Secretary (Thermal) conveying grant of mega power project status to the Darlipali Super Thermal Power Project Stage-I (2x800 MW) is enclosed.

Encl: as above

Yours faithfully,

Sanjoy Mitra  
(Sanjoy Mitra)

Section Officer (Thermal-II)  
Telefax: 23719710

Advance Copy -  
AGM - NPA.

Sir for n/a please.  
1/7/10

ANGLES

Sh. VKJ / sks Q  
5/10/10

2010-07-27

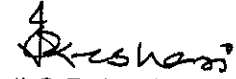
$$\text{Comp} = A_n + \text{Env}$$

No.5/21/2010-Th.II  
Government of India  
Ministry of Power  
\*\*\*\*\*

Shram Shakti Bhawan, Rafi Marg  
New Delhi, dated the 25<sup>th</sup> June, 2010

**TO WHOM IT MAY CONCERN**

- a) Certified that Darlipali STPP Stage-I being set up in the district of Sundergarh in Orissa by NTPC Ltd. is a thermal power plant of the capacity of 1600 (2x800) MW;
- b) Certified that (i) the power purchasing States have constituted the Regulatory Commissions with full powers to fix tariffs; (ii) the power purchasing states shall undertake to carry out distribution reforms as laid down by Ministry of Power.



(I.C.P. Keshari)

Joint Secretary to the Government of India

आई. सी. पी. केशरी / I.C.P. Keshari  
संयुक्त सचिव / Joint Secretary  
विद्युत मंत्रालय / Ministry of Power  
नई दिल्ली / New Delhi

Government of Orissa  
Department of Energy

No.PPD-TH-19/2009 \_\_\_\_\_/En. Dated \_\_\_\_\_

From

Sri B. Mohapatra,  
Addl. Secretary to Govt.

To

The Addl. Secretary to Govt.  
Revenue & Disaster Management Department.

Sub: Administrative Approval for acquisition of private land for the purpose of Thermal Power Project at Darlipalli in Sundargarh District proposed by NTPC.

Sir,

I am directed to invite a reference to the subject noted above and to say that Government have been pleased to accord administrative approval for acquisition of private land measuring 1671.89 acres in the District of Sundargarh as per the details mentioned below for the purpose of Thermal Power Project at Darlipalli in Sundargarh District proposed by NTPC.

Sl. No.	Name of the village	Thana No.	Area in acres
1	Darlipalli	16	1419.15
2	Raidih	106	252.74
		Total	1671.89

This administrative approval for acquisition of private land of 1671.89 acres for proposed power plant project of NTPC is accorded on the following terms and conditions.

- (a) This approval shall be for the purpose of 4 (I) Notification L.A. Act only and should not be construed as approval of Government for any other purposes.
- (b) It at any time of the land acquisition proceedings, it is felt that any portion of the area is not required as per the appraisal of the project by the IPICOL, the same shall be deleted from the purview of land acquisition.

Yours faithfully

Addl. Secretary to Govt

Memo No. \_\_\_\_\_ /En. Dated \_\_\_\_\_

Copy forwarded to the Commissioner-cum-Secretary to Govt, Industries Department / RDC (ND), Sambalpur, / Collector, Sundargarh for information and necessary action.

Collector, Sundargarh is requested to expedite land acquisition process under section 4 (I) of the LA Act on getting application from NTPC.

Addl. Secretary to Govt.

Memo No. \_\_\_\_\_ /En. Dated \_\_\_\_\_

Copy forwarded to the Chairman-cum- Managing Director, IDCO, Bhubaneswar / Chairman-cum-Managing Director, IPICOL, Bhubaneswar for information and necessary action.

Memo No. 4952 /En. Dated 28/6/10

Addl. Secretary to Govt.

Copy forwarded to Regional Executive Director (East-II) NTPC, Plot No.730, Saheed Nagar, Bhubaneswar - 751 007 for information and necessary action.

28/6/10  
Addl. Secretary to Govt.

No.5-ORC158/2013-BHU

भारत सरकार/ Government of India

पर्यावरण एवं वन मंत्रालय/ Ministry of Environment &amp; Forests

552, पर्यावरण भवन, सी जी ओ कॉम्प्लेक्स

लोधी रोड, नई दिल्ली - 110003

14 August 2013

To

The Principal Secretary,  
Forest & Environment Department,  
Government of Odisha,  
Bhubaneswar.

Sub: Diversion of 13.95 ha of forest land for setting up of Darlipali Super Thermal Power Project in Darlipali and Raidihi village under Sundergarh Forest Division of Sundergarh district by NTPC Ltd.

Sir,

I am directed to refer to the State Government letter No. 10F(Cons)535/2012/24374/F&E dated 29.12.2012 on the above mentioned subject seeking prior approval of Central Government in accordance with Section 2 of the Forest(Conservation) Act, 1980.

2. After careful consideration of the proposal of the State Government, the Central Government **hereby agrees** for diversion of Diversion of 13.95 ha of forest land for setting up of Darlipali Super Thermal Power Project in Darlipali and Raidihi village under Sundergarh Forest Division of Sundergarh district by NTPC Ltd., subject to the fulfillment of the following conditions:-

1. Legal status of proposed forest land for diversion shall remain unchanged.
2. The State Govt. shall realize the Net Present Value (NPV) of 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 5-3/2007-FC dated 05.02.2009 in this regard.
3. The State Government shall obtain undertaking from the user agency to realize the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.
4. Compensatory Afforestation shall be raised over 28.34 ha of degraded revenue forest land identified by the State Govt. in Plot No.46 (Pt), Khata No.227 of Abad Jogy Anabadi (Patra Jungle Kisan) in Lephripara Tehsil of Sundergarh district. The user agency shall transfer the cost of compensatory afforestation and its subsequent maintenance for 10 years (revised as on the date to incorporate the existing wage structure) to the State Forest Department. The cost of maintenance as and when required and demanded by the Forest Department shall also be borne by the user agency.
5. The State Government shall deposit Net Present Value and all other funds with the Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA), in SB Account No. SB01025222 of Corporation Bank, CGO Complex, Phase-1, Lodhi Road, New Delhi - 110 003 (RTGS/IFSC No. CORP0000371) or in SB Account No. 344902010105428 of Union Bank of

....2.

*Pradeep Kumar*

India, Sunder Nagar, New Delhi – 110 003 (RTGS/IFSC No.UBIN0534498) by RTGS/NEFT modes, as per the instruction communicated vide letter No.12-2/2010-CAMPA dated 13.05.2011 and dated 24.06.2011.

6. The State Forest Department/ UA shall also submit the surveyed sketch 13.95 ha of forest land for setting up of Darlipali Super Thermal Power Project in Darlipali and Raidihi village under Sundergarh Forest Division of Sundergarh district by NTPC Ltd, giving the forward and backward bearing and DGPS reading of each demarcation pillars/stations and distance between them. The latitude and longitude of those pillars/stations shall also be marked.
7. The State Forest Department/UA shall submit the surveyed sketch of 28.34 ha of degraded revenue forest land identified in Plot No.46 (Pt), Khata No.227 of Abad Jogya Anabadi (Patra Jungle Kisam) in Lephrpara Tehsil of Sundergarh district and demarcate the area proposed for CA, giving the forward and backward bearing and GPS reading of each demarcation pillars/stations and distance between them. The latitude and longitude of those pillars/stations shall also be marked.
8. The user agency shall submit the detail plan for safe drinking water supply for targeted villages (around 5 Km. periphery of the plant) giving special emphasis for poor SC and ST population.
9. The user agency shall submit site specific wildlife conservation plan duly approved by CWLW, Odisha before Stage-II approval.
10. The user agency (N.T.P.C., Kanha, Angul Dist) shall submit the forest diversion proposal for fly ash disposal which is currently carried out in violation of Forest (Conservation) Act in the abandoned quarry of Balanda OCP of MCL in any case before Stage-II approval or along with compliance report.
11. The user agency shall make necessary arrangement to provide street lighting and electric supply to the adopted villages and also provide individual toilet for each house. Detail scheme in this regard may be submitted before Stage-II approval.
12. Detailed scheme for utilizing the 160.84 ha land within the project area for development of Green Belt shall be furnished by the user agency for its implementation at project cost. The feasibility for taking up plantation of suitable species for containing heat and dust pollution within the project area and outside shall also be explored in consultation with the Divisional Forest Officer, Sundergarh for its implementation at project cost.
13. The user agency shall also utilize the ash generated by supplying for construction of road project within the 100 Km radius and also facilitate supply of ash to brick industries as per fly ash notification as amended in 2003 No.S.O.979 dated 27<sup>th</sup> August, 2003 as per the feasibility.
14. Conservation, protection and regeneration of existing forest cover outside the project boundary is required to be done at project cost in JFM mode by peoples participation. The relevant scheme in this regard shall be prepared by the Divisional Forest Officer, Sundergarh and the same be approved by competent authority for implementation at project cost.
15. Felling of trees in the proposed diversion area shall be taken up in phased manner strictly as per requirement with prior permission of the DFO, Sundergarh.
16. Earth or any other material shall not be borrowed from the adjoining forest area, and debris resulting during construction shall not be disposed off there.
17. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.
18. No labour camps shall be established on the forest land.

*Pradeep Kumar*

19. The user agency shall provide alternate fuel to the labourers and staff working at the site so as avoid any damage and pressure on the adjacent forest area.
20. The user agency shall ensure that no damage to the available wildlife or to the forest flora in the adjoining forest is caused by labourers/workmen engaged by the project authorities or contractor working under them during the mining lease period.
21. The forest land shall not be used for any purpose other than that specified in the proposal.
22. The approval under the Forest (Conservation) Act, 1980 is subject to the clearance under the Environmental Protection Act, 1986 and all other Acts, Rules/Regulation as applicable to such project.
23. The user agency will obtain the clearance under the provision of ST&OTFD (Recognition of Forest Rights) Act, 2006 before final forest clearance of the project and will submit certificate towards settlement of all claims and rights over the proposed forest land under the Act, as per the Guidelines of Ministry communicated vide letter No. 11-9/1998-FC (pt) dated 30.07.2009, 03.08.2009 and 05.07.2013 in support thereof.
24. Any other conditions that the Central Government or Addl. PCCF(Central) of Eastern Regional Office, Bhubaneswar may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, which shall be complied by the user agency.
25. In case of non-compliance of any of the above conditions, the concerned Divisional Forest officer shall report through the State Govt. to this office as per procedure laid down in the clause 1.9 of guidelines issued under Forest(Conservation) Act, 1980 on 25.10.1992.

3. After receipt of the compliance report on fulfillment of the conditions as stipulated above, from the State Government, formal approval will be issued in this regard under Section 2 of Forest (Conservation) Act, 1980. **Transfer of forest land to user agency shall not be effected by the State Government till formal order approving diversion of forest land is issued by the Central Government.**


Yours faithfully,

  
(Pradeep Kumar)

Director

Copy to:-

1. The Inspector General of Forest(FC), Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi - 110 003.
2. The Principal Chief Conservator of Forests, Govt. of Orissa, Aranya Bhawan, C.S. Pur, Bhubaneswar - 16.
3. The Addl. PCCF & Nodal Officer (FC), Govt. of Orissa, Aranya Bhawan, C.S. Pur, Bhubaneswar - 16
4. The Divisional Forest Officer, Sundergarh Forest Division, Sundergarh, Odisha..
5. The General Manager, Darlipali STPP, NTPC Ltd., Sundergarh, Odisha
6. Joint Secretary (IA Division), MoEF
7. Monitoring Cell, MoEF
8. Guard File

  
(Pradeep Kumar)

Director



**J-13012/65/2008-IA.II (T)**  
**Government of India**  
**Ministry of Environment & Forests**

Ph: 011-24364067  
Paryavaran Bhawan  
CGO Complex, Lodi Road  
New Delhi-110 003  
Dated: 17<sup>th</sup> February, 2014.

To

M/s NTPC Ltd.,  
NTPC Bhawan, SCOPE Complex,  
7, Industrial Area, Lodhi Road,  
New Delhi-110 003.

**Sub: 2x800 MW (Stage-I) Darlipali Supercritical Coal Based Thermal Power Plant at village Darlipali, in Lephripara Taluk, in Sundergarh Distt., in Orissa-reg. Environmental Clearance.**

Sir,

The undersigned is directed to refer to your letters dated 30.08.2011, 12.10.2011, 19.12.2011, 29.02.2012, 17.01.2014 and 21.01.2014 on the subject mentioned above. The Ministry of Environment & Forests has examined the application.

2. It has been noted that the proposal is for setting up of 2x800 MW (Stage-I) Supercritical Coal Based Thermal Power Plant at village Darlipali, in Lephripara Taluk, in Sundergarh Distt., in Orissa. Land requirement will be 1670 acres out of which 1278.74 acres is private land, 338.97 acres is Govt. land and 34.47 acres is forest land. The co-ordinates of the site are located within Latitude 21°52'57" N to 22°03'32"N and Longitude 83°49'29" E to 83°57'31"E. Coal requirement will be 8.0 MTPA. Coal will be obtained from Dulanga (7.0MT) and Pakri Barwadih Coal Block (1.0MT). About 7000 Tonnes/day fly ash and 1800 Tonnes/day bottom ash will be generated. Two Stacks of 275m will be provided. Water requirement will be 4750 m<sup>3</sup>/hr and will be sourced from the Hirakund Reservoir on the Mahanadi River through a pipeline at over a distance of about 30.0 km from project site. Commitment letter of Water linkage has been obtained on 17.06.2006 from the Govt. of Orissa. Closed Cycle cooling system with cooling tower will be installed. There are no National Parks, Wildlife Sanctuaries, Heritage Sites, Tiger/Biosphere reserves etc. within 10 km of the site. Public Hearing was held on 30.04.2011. Cost of the project will be Rs. 11396.95 Crores.

3. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.

4. Based on the information submitted by you, as at Para 2 above and others and presentation made before the Expert Appraisal Committee (Thermal Power) in its 36<sup>th</sup>, 40<sup>th</sup> meeting and 10<sup>th</sup> meeting held during November, 14-15, 2011, January 9-10, 2012 and 21<sup>st</sup> January, 2014 respectively by you and your consultant viz. M/s Kirloskar Consultants Ltd., Pune, the Ministry of Environment and Forests hereby



accords environmental clearance to the above project under the provisions of EIA Notification dated September 14, 2006, subject to the compliance of the following Specific and General conditions:

**A. Specific Conditions:**

- (i) Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within **six months**.
- (ii) Scheme for implementation for harnessing solar power within the premises of the plant particularly at available roof tops shall be formulated and status of implementation shall be submitted to the Regional Office of the Ministry from time to time.
- (iii) Provision for installation of FGD shall be provided for future use.
- (iv) Coal transportation to plant site shall be undertaken by rail and no road transportation shall be permitted.
- (v) Fly ash shall not be used for mine void filling or for agricultural purpose.
- (vi) A detailed study on chemical composition particularly heavy metal and radio activity contents shall be carried out through a reputed institute and report shall be submitted to Regional Office of the Ministry. Only after ascertaining its radioactive level shall fly ash be utilized for brick manufacturing or supplied to brick manufacturers.
- (vii) The project proponent shall carry out a long term R&D on Boiler efficiency vis-à-vis large variation on ash content of coal and submit its findings to the Ministry at a later stage.
- (viii) The two stacks of 275m height with flue gas velocity not less than 22 m/s shall be installed and provided with continuous online monitoring equipments for SO<sub>x</sub>, NO<sub>x</sub> and PM<sub>2.5</sub> & PM<sub>10</sub>. Mercury emissions from stack may also be monitored on periodic basis.
- (ix) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm<sup>3</sup>.
- (x) Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.
- (xi) Utilisation of 100% Fly Ash generated shall be made from 4<sup>th</sup> year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.
- (xii) High concentration slurry disposal systems shall be adopted.
- (xiii) Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be

monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.

- (xiv) Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached. Ash pond water shall be re-circulated and utilized.
- (xv) Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5 % and 34 % respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to the Ministry for suitable amendments to environmental clearance condition wherever necessary.
- (xvi) Hydrogeology of the area shall be reviewed annually from an institute/ organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case any deterioration is observed specific mitigation measures shall be undertaken and reports/ data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.
- (xvii) No ground water shall be extracted for use in operation of the power plant even in lean season.
- (xviii) No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.
- (xix) Minimum required environmental flow suggested by the Competent Authority of the State Govt. shall be maintained in the Channel/ Rivers (as applicable) even in lean season.
- (xx) Land and Water requirement shall be restricted as per latest CEA norms issued.
- (xxi) COC of 5.0 shall be adopted. Closed cycle cooling system with cooling towers shall be adopted.
- (xxii) Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg,Cr,As,Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.
- (xxiii) Monitoring surface water quality and quantity in the area shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.

- (xxiv) Waste water generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB.
- (xxv) The project proponent shall undertake rain water harvesting measures and shall develop water storage for use in operation of the plant. Rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan for implementation shall be submitted to the Regional Office of the Ministry **within six months.**
- (xxvi) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (xxvii) Atleast three nearest village shall be adopted and basic amenities like development of roads, drinking water supply, primary health centre, primary school etc shall be developed in co-ordination with the district administration.
- (xxviii) The project proponent shall also adequately contribute in the development of the neighbouring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.
- (xxix) CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR employment of local youth after imparting relevant training as may be necessary shall be undertaken as committed.
- (xxx) Rights of tribals and others, whose sustenance is dependent on the land (if any) falling in the project area, shall be identified and protected in accordance with existing laws.
- (xxxi) An amount of Rs 46.0 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent. Subsequently a recurring expenditure of Rs 9.10 Crores per annum till the life of the plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six month along with road map for implementation.
- (xxxii) It shall be ensured that an in-built monitoring mechanism for the CSR schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time. The achievements should be put on company's website.
- (xxxiii) Green Belt consisting of 3 tiers of plantations of native species around plant and 100 m width shall be raised. The density of trees shall not less than 2500 per ha with survival rate not less than 80 %. Additional green belt of

appropriate density and width not less than 50 m atleast, shall be developed between the ash pond and the village facing the ash pond.

- (xxxiv) An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization.

**B. General Conditions:**

- (i) The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.
- (ii) A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.
- (iii) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.
- (iv) Storage facilities for auxiliary liquid fuel such as LDO/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel shall not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.
- (v) First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (vi) Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.
- (vii) Regular monitoring of ambient air ground level concentration of SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>2.5</sub> & PM<sub>10</sub> and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.
- (viii) Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care,

crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

- (ix) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xi) The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM<sub>2.5</sub> & PM<sub>10</sub>), SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environment statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.
- (xiii) **The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.**
- (xiv) Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and update the same from time to time at least six monthly basis. **Criteria pollutants levels including NO<sub>x</sub> (from stack & ambient air) shall be displayed at the main gate of the power plant.**

- (xv) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.
- (xvi) The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.
- (xvii) Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry / CPCB/ SPCB who would be monitoring the compliance of environmental status.
5. The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.
6. The environmental clearance accorded **shall be valid for a period of 5 years** to start operations by the power plant.
7. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
8. In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Yours faithfully,

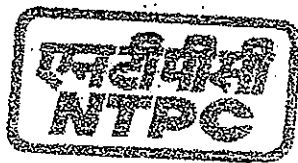
  
(Dr. Saroj)  
Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary, Department of Forests & Environment, Government of Orissa, Bhubaneswar.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Orissa State Pollution Control Board, A-118, Nilkanta Nagar, Unit - VIII, Bhubaneswar- 751 012 - with a request to display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office for 30 days.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
6. The Chief Conservator of Forests, Eastern Regional Office, Ministry of Environment & Forests, A/3, Chandersekharapur, Bhubaneswar -751023.
7. The District Collector, Sundergarh District, Govt. of Orissa.
8. Guard file.
9. Monitoring File.

(Dr. Saroj)  
Director

MEMORANDUM OF ASSOCIATION  
&  
ARTICLES OF ASSOCIATION <sup>35</sup>



**NTPC Limited**

Regd. Office:  
NTPC BHAWAN, SCOPE COMPLEX,  
7, INSTITUTIONAL AREA, LODI ROAD,  
NEW DELHI - 110003



COMPANY NO.: 055-7966 CINU40101DL1975PLC7966

FRESH CERTIFICATE OF INCORPORATION  
CONSEQUENT UPON CHANGE OF NAME

In the office of the Registrar of Companies, NCT of Delhi & Haryana  
[under the Companies Act, 1956 (1 of 1956) ]

IN THE MATTER OF M/s. NATIONAL THERMAL POWER CORPORATION  
LIMITED

I hereby certify that NATIONAL THERMAL POWER CORPORATION LIMITED

which was originally incorporated on Seventh November of one thousand nine hundred  
and seventy five under the Companies Act, 1956 ( Act 1 of 1956 ) under the name

NATIONAL THERMAL POWER CORPORATION LIMITED

having duly passed the necessary resolution in terms of Section 21 of the Companies  
Act, 1956 and the approval of the Central Government signified in writing having been  
accorded thereto under Section 21 read with Government of India, Department of  
Company Affairs, Notification No. G.S.R. 507 (E) dated 24-06-1985 by Registrar of  
Companies, NCT of Delhi & Haryana, New Delhi vide letter No. ROC/21/55-  
7966/1011 dated 27/10/2005 the name of the said company is this day changed to

NTPC LIMITED

and this Certificate is issued pursuant to Section 23 (1) of the said Act.

Given under my hand at New Delhi this Twenty Eighth October of  
Two Thousand and Five.

Sd/- Dr. Navrang Saini  
REGISTRAR OF COMPANIES  
N.C.T. OF DELHI AND HARYANA

Seal  
Registrar of Companies  
N.C.T. of Delhi and Haryana



Form I. R.

# CERTIFICATE OF INCORPORATION

No. 7966... of 1975-76

I hereby certify that NATIONAL THERMAL POWER CORPORATION LIMITED is this day incorporated under the Companies Act, 1956 (No. 1 of 1956) and that the Company is Limited.

Given under my hand at NEW DELHI this SEVENTH day of

NOVEMBER One thousand Nine hundred and SEVENTY FIVE (1975)  
(KARTIKA) (SAKA-1897).

Seal  
Registrar of Companies  
Delhi & Haryana

Sd/- S. KUMAR  
Registrar of Companies  
DELHI & HARYANA

# INDEX

## MEMORANDUM OF ASSOCIATION

38

Para	Subject	Page No.
I.	Name of the Company	1
II.	Registered Office of the Company	1
III.	Objects	1
<b>A-Main Objects</b>		
1.	Development of Thermal, Hydro and Power Through Non-conventional/Renewable Energy Sources	1
2.	To co-ordinate and control activities of subsidiaries	1
3.	To act as agent of Public Sector Financial Institutions	1
4.	To undertake planning, design and construction, erection, generation, transmission, distribution and sale of power and other business	2
<b>B-Ancillary Objects</b>		
5.	To act as an helper and servicing agency for the subsidiaries	3
6.	To obtain charters, concession etc.	3
7.	To borrow money	3
8.	To acquire and lease property	3
9.	To acquire business/companies	3
10.	To obtain authority etc. to carry out its objects	4
11.	To acquire know-how etc.	4
12(a)	To undertake Research and Development	4
12(b)	To undertake Training & Education	4
13.	To improve property etc.	4
14.	To invest money	5
15.	To undertake joint ventures etc.	5
16.	To provide for welfare of employees	5
17.	To sell property	5
18.	To enter into contracts	6
19.	To establish agencies etc.	6
20.	To subscribe for shares	6
21.	To create depreciation fund	6
22.	To open accounts in banks etc.	6
23.	To acquire companies	7
24.	To carry on consultancy services	7
25.	To promote other companies	7
26.	To carry out convenient business	7
26(a)	To make contributions/donations etc.	7

## ARTICLES OF ASSOCIATION

40

Article	Subject	Page No.
1.	Interpretation	10
2.	Regulations contained in Table 'A' in the first schedule to the Companies Act, 1956 not to apply	13
3.	Company to be governed by the Articles	13
4.	Company is Limited Company	13
	<b>Capital and Shares</b>	
5.	Share Capital	13
6.	Allotment of Shares	13
	<b>Certificates</b>	
7.	Right of Members or Debenture holders to certificates	14
8.	Issue of new certificates in place of one defaced, lost or destroyed	15
9.	Calls on shares/Debentures	15
10.	When Interest on Calls payable	15
10A.	Calls paid in advance	15
	<b>Lien</b>	
11.	Company Lien on all shares or debentures	16
	<b>Forfeiture</b>	
12.	Forfeitures of Shares/Debentures	18
13.	Effect of forfeiture	19
14.	Declaration and other provisions of forfeiture	19
15.	Surrender of Debentures	20
15A.	Register and Index of Members	20
	<b>Transfer and Transmission of Shares/Debentures</b>	
16.	Transfer & Transmission of Shares/Debentures	20
17.	Register of Transfers	22
18.	Execution of Transfers	22
19.	Transmission of Shares	22
19A.	Nomination	22
19B.	Transmission of Securities by Nominee	23
	<b>Increase, Reduction and Alteration of Capital</b>	
20.	Increase of capital	24
20A.	Terms of Issue of Debentures	24
21.	On what condition new shares may be issued	24
21A.	Further Issue of Shares	24
22.	When to be offered to existing members	27
23.	New Shares to be part of Original Capital	

53.	Chairman of meetings of Committees	.....	38
54.	General Powers of the Board	.....	38
55.	Specific powers given to Directors	.....	38
	The Seal		
56.	The Seal and its custody	.....	41
	Divisions of Profit and Dividend		
57.	Division of Profits	.....	42
58.	The Company in General Meeting may declare a dividend	.....	43
59.	Interim dividend	.....	43
59A.	Unpaid or Unclaimed dividend	.....	43
	Accounts		
60.	Inspection by members of accounts and books of the Company	.....	43
	Audit		
61.	Accounts to be audited annually	.....	44
62.	Appointment of Auditors	.....	44
63.	Powers of the Comptroller & Auditor General	.....	44
64.	Auditor's right to attend meetings	.....	44
65.	When accounts to be deemed finally settled	.....	45
	Notice		
66.	Notice on persons acquiring shares on death or insolvency of members	.....	45
	Winding Up		
67.	Distribution of assets	.....	45
	Secrecy		
68.	Secrecy clause	.....	45
	Indemnity & Responsibility		
69.	Director's and other's right to indemnity	.....	46
70.	Officers not responsible for acts of others	.....	46
	Names of subscribers		

MEMORANDUM OF ASSOCIATION  
OF  
NTPC LIMITED

43

- I. The name of the Company is NTPC Limited<sup>1</sup>.
- II. The registered office of the company will be situated in the Union Territory of Delhi.
- III. The objects for which the company is established are :

NAME OF THE  
COMPANY

REGISTERED  
OFFICE

OBJECTS

MAIN OBJECTS

A. Main objects to be pursued by the Company on its incorporation :

Development of  
Thermal, Hydro,  
Nuclear and  
Power through Non-  
Conventional/  
Renewable Energy  
Sources

Coordination and  
Control

Agent of Public  
Sector Financial  
Institutions

- 1.<sup>2</sup> To plan, promote and organise an integrated and efficient development of Thermal, Hydel, (Nuclear)<sup>3</sup> power and power through Non-Conventional/Renewable Energy Sources in India and abroad including planning, investigation, research, design and preparation of preliminary, feasibility and definite project reports, construction, generation, operation & maintenance, Renovation & Modernisation of power stations and projects, transmission, distribution, sale of power generated at Stations in India and abroad in accordance with the national economic policies and objectives laid down by the Central Government from time to time, (the management of front and back-end of nuclear fuel cycle and ensure safe and efficient disposal of waste)<sup>3</sup>.
2. To coordinate the activities of its subsidiaries, to determine their economic and financial objective/targets and to review, control, guide and direct their performance with a view to secure optimum utilisation of all resources placed at their disposal.
- 3.<sup>2</sup> To act as an agent of Government/Public Sector Financial Institutions, to exercise, all the rights and powers exercisable at any meeting of any company engaged in the planning, investigation, research, design and preparations of preliminary, feasibility and definite project reports, construction, generation, operation and maintenance, Renovation & Modernisation of power stations and projects, transmission, distribution and sale of power generated in respect of any share held by the Government, public financial institutions, nationalised banks, nationalised insurance companies with a view to secure the most effective utilisation of the financial investments and loans in such companies and the most efficient development of the concerned industries.

<sup>1</sup> Name changed vide Special Resolution passed at AGM held on 23.09.20

<sup>2</sup> Amended Vide Special Resolution passed at EGM held on 29.5.98.

<sup>3</sup> Added vide Special Resolution dated 15.05.2007 passed through ballot

waters in relation to any or all of the above areas of business and to acquire and maintain drilling and mine rights, exploration and production rights, rights of ways and other rights/interests of all descriptions.

B. Objects incidental or ancillary to the attainment of the main objects :

As, an helper and servicing agency for the subsidiaries

5. To arrange, secure and make available to its subsidiary and other concerned organisations such facilities, resources inputs and services as may be required.

To obtain charters, concession etc.

6. To enter into any arrangement with the Government of India or with any other Government or State or any local or State Government or with authorities, supreme national, local municipal or otherwise or with any person for the purpose of directly or indirectly carrying out the objects of furthering the interests of the Company or its members and to obtain from any such Government, State authority or person any, charters, subsidies, loans, indemnities, grants, contracts, decrees, rights, sanctions, privileges, licences or concessions whatsoever, (whether statutory or otherwise) which the Company may think it desirable to obtain and carry out, exercise and comply with the same.

Borrowing powers

7. To borrow money or to receive money or deposits for the purpose of financing the business of the company either with security or mortgage or other security charged on the undertaking on all or any of the assets of the company including uncalled capital and to increase, reduce or pay off any such securities.

To acquire and lease property

8. To acquire by purchase, lease, exchange, hire or otherwise, or to construct and maintain factories, works buildings, and conveniences of all kinds, lands, buildings, apartments, plants, machinery and hereditaments of any tenure or description, situated in India or in any other part of the world and any estate or interest therein and any rights over or connected with land so situated and turn the same to account in any manner as may seem expedient, necessary or convenient to the Company for the purpose of its business.

To acquire business/

9. To acquire, possess and undertake the whole or any part of the business, assets, property, goodwill, rights and liabilities of any person, firm, society, association, corporation or company carrying on any business w the company is authorised to carry on.

degrees/diplomas either by itself or in association/affiliation/collaboration with other recognised/accredited Educational/Training Institutions from India/or any part of the world to all successful candidates.

13. To sell, improve, manage, develop, exchange, loan, lease or let, under-lease, sub-let, mortgage, dispose of, deal with in any manner, turn to account or otherwise deal with any rights or property of the Company.

To improve property etc.

14. To accumulate funds and to invest or otherwise employ moneys belonging to or with the Company and not immediately required in the purchase or acquisition of any shares, securities or other investments whatsoever whether movable or immovable upon such terms as may be thought proper and from time to time to vary all or any such investments in such manner as the Company may think fit.

To invest money

15. To enter into partnership or into any arrangement for joint working sharing or pooling profits, amalgamation, union of interests, co-operation, joint venture, reciprocal concession or otherwise or amalgamate with any person or company carrying on or engaged in or about to carry on or engage in any business or transaction which the Company is authorised to carry on or engage in or any business undertaking or transaction which may seem capable of being carried on or conducted so as directly or indirectly to benefit this company.

To undertake joint ventures

16. To provide for the amelioration and welfare of persons employed or formerly employed by the Company and the wives, families, dependants or connections of such persons by building or contributing to the building of houses, dwellings or by grants of money, pensions, allowances, bonuses or other payments or by creating and from time to time subscribing or contributing to provident Fund and other Associations, Institutions, Funds or Trusts or by helping persons employed by the Company to effect or maintain insurance on their lives by contributing to the payment of premium or otherwise and by providing or subscribing or contributing towards places of instruction and recreation, hospitals and dispensaries, medical and other attendance and other assistance as the Company shall think fit.

To provide for welfare of employees



- 49
22. To open an account or accounts with any individual, firm or company or with any Bank or bankers or shroffs and to pay into and withdraw money from such account or accounts. To open accounts in Banks
  23. To acquire shares, stocks or securities in or of any company carrying on any business which this Company is entitled to carry on or of any other company or undertaking the acquisition of which may seem likely or calculated directly or indirectly to promote or advance the interests of or be advantageous or beneficial to the Company and to sell or dispose of or transfer any such shares, stocks or securities. Acquisition of companies
  - 24.<sup>1</sup> To promote, organise or carry on the business of consultancy services either independently or through suitable tie-ups both in India and abroad in any field of activity in which the company is engaged in or connected therewith as also in such other field of activities where the company has developed expertise by virtue of its dealing in such areas and rendering consultancy and advisory services to clients and any such other services. To carry on consultancy services
  25. To promote or concur in the promotion of any company, the promotion of which shall be considered desirable in furtherance of the objects or any objects of the company. To promote other companies
  26. Generally to do all such other things as may be deemed incidental or conducive to the attainment of the above objects or any of them and to carry on any business which may seem to the Company capable of being conveniently carried on in connection with any of the Company's objects or calculated directly or indirectly to enhance the value of or render profitable any of the Company's property or rights. To carry on convenient business
  - 26A<sup>2</sup> To donate, make contribution, give grant-in-aid, provide assistance financial or otherwise in aid of any National, Public Benevolent or charitable cause, purpose or object, and to give donations, contribute monies, make grants, provide aid pecuniary or otherwise to any person(s), association of persons, society, fund, trust, local or municipal bodies, organisation or institution for rural uplift or development including for purposes like providing or improving drainage and water supply system, environmental protection, afforestation etc., educational or research institutions, health and medicare centres, which in the opinion of the company and its absolute discretion deserve to be assisted, helped or supported by reason of location of company's business establishments and/or nature of its business activities or otherwise, and which may promote the goodwill of the company and directly or indirectly further the interest of the company and of its members. To make contribution/ donations etc.

<sup>1</sup> Substituted Vide Special Resolution passed at EGM held on 27.01.1999.

<sup>2</sup> Added vide special Resolution passed at EGM held on 27.01.1999.

51

We, the several person, whose names and addresses are subscribed, are desirous of being formed into a Company in pursuance of this Memorandum of Association and we respectively agree to take the number of shares in the capital of the Company set opposite our respective names :-

Name of subscriber address, description and occupation, if any,	No. of Equity shares taken by each Subscriber	Signature of subscriber	Signature of witnesses and their addresses, description and occupation if any
1. President of India through - Shri. R.V. Subramanian S/o Shri. P.S. Rama Iyer Secretary to the Govt. of India, Ministry of Energy (Deptt. of Power) New Delhi.	5 (Five) Equity Shares	Sd/- R.V. Subra- manian	Sd/- Arun Bhatnagar, Deputy Secretary, Deptt. of Power New Delhi
2. R.C. Bhargava S/o Shri M.P. Bhargava Joint Secretary, Ministry of Energy, (Deptt. of Power) New Delhi	One equity Share	Sd/- R.C. Bhargava	Sd/- Inderjeet Singh Kamra, Under Secretary, Deptt. of Power New Delhi.
3. S.T. Veera Raghavan, S/o Shri S.T. Chakravarthi Iyengar (Late), Ministry of Finance, Deptt. of Expenditure, New Delhi	One equity Share	Sd/- S.T. Veera Raghavan	Sd/- S.N. Chibber, Section Officer, Deptt. of Power New Delhi.

New Delhi, Dated this 23rd day of October 1975.

ARTICLES OF ASSOCIATION  
OF  
NTPC LIMITED

INTERPRETATION

1. In the interpretation of the Memorandum of Association and these Articles the following expressions shall have the following meanings unless repugnant to the subject or context.
- Interpretation  
clause
- "The Act" or "the said Act" means "The Companies Act, 1956" as amended upto date or other Act or Acts for the time being in force in India containing the provisions of the Legislature in relation to Companies.
- The Act or the  
said Act
- "Beneficial Owner" means the beneficial owner as defined in clause (a) of sub-section (1) of Section 2 of the Depositories Act, 1996.
- Beneficial Owner
- "The Board" or the "Board of Directors" means a meeting of the Directors duly called and constituted or as the case may be. Directors assembled at a Board, or the requisite number of Directors entitled to pass a circular resolution in accordance with the Act.
- The Board or  
Board of Directors
- "Capital" means the Capital for the time being raised or authorised to be raised for the purpose of the Company.
- Capital
- "Chairman" means the Chairman of the Board of Directors for the time being of the Company.
- Chairman
- "The Company" or "this Company" means "NTPC Limited".
- The Company or  
this Company
- "Dematerialisation" is the process by which shareholder/debenture holder can get physical share/debenture certificates converted into electronic balances in his account maintained with the participant of a Depository.
- Dematerialisation
- "Depository" shall mean a company formed and registered under the Companies Act, 1956 and which has been granted a certificate of registration to act as a depository under the Securities & Exchange Board of India Act, 1992.
- Depository

<sup>1</sup> Amended vide Special Resolution passed at AGM held on 23.09.2005.

<sup>2</sup> Inserted vide special Resolution passed at EGM held on 20.03.2002

<sup>3</sup> Inserted vide special Resolution passed at EGM held on 07.07.2004

personally in a general meeting of the Company.

"The President" means the President of India.

The President

<sup>2</sup>"Register of Members/Register of Debenture holders" means the Register of Members/Register of Debenture holders to be kept pursuant to provisions of the Act and also, the Register and Index of beneficial owners maintained by the Depository(ies) under Section 11 of the Depositories Act, 1996.

Register

"Registrar" means the Registrar of Companies of the State in which the Registered Office of the Company is situated.

Registrar

"Registered Owner" means a Depository whose name is entered as such in the records of the Company.

Registered Owner

<sup>3</sup>"Rematerialisation" is the process of conversion of electronic holdings back into the physical form and issue of fresh share/debenture certificate(s) in favour of the share/debenture holder(s).

Rematerialisation

"These Presents" or "Regulations" means these Articles of Association as originally framed or altered from time to time and include the Memorandum where the context so requires.

These presents or Regulations

"Seal" means the Common Seal for the time being of the Company.

Seal

<sup>1</sup>"SEBI" means the Securities & Exchange Board of India.

SEBI

<sup>2</sup>Security means shares in or debentures of the company, American/Global Depository Receipts, euro bonds and other foreign currency instruments and such other securities as may be specified by SEBI from time to time.

Security

Words importing the singular number include the plural number.

Singular number

"Shares" means the shares or stock into which the capital is divided and the interest corresponding with such shares or stock.

Shares

<sup>1</sup>Inserted vide special Resolution passed at EGM held on 20.3.2002

<sup>2</sup>Amended vide special Resolution at EGM held on 07.07.2004

<sup>3</sup>Inserted vide Special Resolution at EGM held on 07.07.2004

subject to the provisions of section 77A of the Act with the sanction of the Company in the General Meeting to give to any person or persons the option or right to call for any shares either at par or premium during such time and for such consideration as the Directors think fit, and may issue and allot shares in the capital of the Company on payment in full or part of any property sold and transferred or for any services rendered to the Company in the conduct of its business and any shares which may so be allotted may be issued as fully paid-up shares and if so issued shall be deemed to be fully paid shares. Provided that option or right to call of shares shall not be given to any person or persons without the sanction of the Company in the General Meeting.

### CERTIFICATES

72. Subject to the requirements of Listing Agreement and the bye laws of the Stock Exchanges, every member shall be entitled, without payment, to one or more certificates in marketable lots, for all the shares of each class or denomination registered in his name, or if the Directors so approve (upon paying such fees as the Directors may from time to time determine) to several certificates, each for one or more of such shares and the Company shall complete and have ready for delivery such certificates within three months from the date of allotment unless the conditions of issue thereof otherwise provide, or within one month of the receipt of application of registration of transfer, transmission, sub-division, consolidation or renewal of any of its shares, as the case may be. Every certificate of shares shall be under the seal of the Company and shall specify the number and distinctive numbers of shares in respect of which it is issued and amount paid-up thereon and shall be in such form as the directors may prescribe or approve, provided that in respect of a share or shares held jointly by several persons, the Company shall not be bound to issue more than one certificate and delivery of a certificate of shares to one of several right holders shall be sufficient delivery to all such holders.

Right of Members  
or Debenture  
holders to Certificate

<sup>1</sup>Provided that in case of securities held by the Member/  
Bond/Debenture holder in dematerialised form, no Share/  
Bond/Debenture Certificate(s) shall be issued.

<sup>1</sup>Inserted vide special Resolution passed at EGM held on 20.3.2002.

<sup>2</sup>Substituted vide special resolution passed at EGM held on 07.07.2004.

beyond the sums actually called for, and upon the amount so paid or satisfied in advance, or so much thereof as from time to time exceeds the amount of the calls then made upon the shares in respect of which such advance has been made, the Company may pay interest at such rate, as may be decided by Directors provided that money paid in advance of calls shall not confer a right to participate in profits or dividend. The Directors may at any time repay the amount so advanced.

The members shall not be entitled to any voting rights in respect of the moneys so paid by him until the same would but for such payment, become presently payable.

The provisions of these Articles shall mutatis mutandis apply to the calls on debentures of the Company.

#### LIEN

11. (a)<sup>1</sup> The Company shall have a first and paramount lien upon all the shares/debentures (other than fully paid-up shares / debentures and in case of partly paid shares / debentures the company's lien shall be restricted to moneys called or payable at a fixed time in respect of such shares) registered in the name of each member (whether solely or jointly with others) and upon the proceeds of sale thereof for all moneys (whether presently payable or not) called or payable at a fixed time in respect of such shares/debentures and no equitable interest in any share shall be created except upon the footing and condition that this Article will have full effect. Any such lien shall extend to all dividends, bonuses and interest from time to time declared / accrued in respect of such shares / debentures. Unless otherwise agreed the registration of a transfer of shares / debentures shall operate as a waiver of the company's lien, if any, on such shares/debentures. The Directors may at any time declare any shares / debentures wholly or in part to be exempt from the provisions of this clause.

Company Lien  
on all shares  
or debentures

<sup>1</sup>Substituted vide special resolution passed at EGM 07.07.2004.

## FORFEITURE

6000

Forfeiture of  
Shares/  
Debentures

12.1 (i) If a member or debenture-holder fails to pay any call or the allotment money which was deferred or kept as term deposit as a condition of subscription or instalment of a call on the day appointed for payment thereof, the Board may, at any time thereafter during such time as any part of the call or allotment money or instalment remains unpaid serve a notice on him requiring payment of so much call or instalment as is unpaid; together with any interest which may have accrued.

(ii) The notice aforesaid shall :

(a) name a further day (not being earlier than the expiry of fourteen days from the date of service of the notice) on or before which the payment required by the notice is to be made; and

(b) state that, in the event of non-payment on or before the day so named, the shares or debentures in respect of which the call was made will be liable to be forfeited.

(c) If the requirements of any such notice as aforesaid are not complied with any share or debenture in respect of which the notice has been given, may at any time thereafter, before the payment required by the notice has been made, be forfeited by a resolution of the Board to that effect.

(iii) A forfeited share or debenture may be sold or otherwise disposed of on such terms and in such manner as the Board thinks fit.

(iv) At any time before a sale or disposal as aforesaid, the Board may cancel the forfeiture on such terms as it thinks fit.

<sup>1</sup>Inserted vide special resolution passed at EGM held on 20.6.199

the same had been payable by virtue of a call duly made and notified.

62

- 15.<sup>1</sup> (i) The Board may accept from any <sup>3</sup>[shareholder/] debenture-holder on such terms and conditions as shall be agreed a surrender of all or any of his <sup>3</sup>[shares]/debentures.

Surrender of Debentures

- 15A.<sup>2</sup> The Company shall cause to be kept at its Registered Office or at such other place as may be decided by the Board of Directors, the Register and Index of Members/ Debenture Holders in accordance with section 150 and 151 and other applicable provisions of the Companies Act, 1956 and the Depositories Act, 1996 with the details of Shares/Debentures held in physical and dematerialised form in any medium as may be permitted by law including in any form of electronic medium.

Register and Index of Members

The Register and Index of Beneficial Owner maintained by a Depository under section 11 of the Depositories Act, 1996 shall also deemed to be the Register and Index of Members/Debentureholders for the purpose of the Companies Act, 1956 and any amendment or re-enactment thereof. The Company shall have power to keep in any State or Country outside India, a Register of Members/ Debenture holders for the resident in that State or Country.

#### TRANSFER AND TRANSMISSION

- 16.<sup>2,3</sup> (a) Subject to the provisions of the Listing Agreements between the Company and the Stock Exchanges, in the event that the proper documents have been lodged, the Company shall register the transfer of securities in the name of the transferee except:

Transfer & Transmission of Shares/ Debentures

when the transferee is, in exceptional circumstances, not approved by the Directors in accordance with the provisions contained herein;

when any statutory prohibition or any attachment or prohibitory order of a competent authority restrains the Company from transferring the securities out of the name of the transferor;

<sup>1</sup>Inserted vide Special Resolution passed at EGM held on 20.06.1994.

<sup>2</sup>Added vide Special Resolution passed at EGM held on 20.3.2002.

<sup>3</sup>Added vide Special Resolution passed at EGM held on 07.07.2004

<sup>4</sup>Substituted vide Special Resolution passed at EGM held on 07.07.2004



17. The Company shall keep the Register of Transfer of Shares [and Transfer of Debentures]<sup>1</sup> and there-in enter the particulars of several transfers or transmission of any share <sup>1</sup>[or debentures.]

Register of  
transfers

18. The instrument of transfer of any share [or debenture]<sup>1</sup> in the Company shall be executed both by the transferor and transferee, and the transferor shall be deemed to remain holder of the share or debenture until the name of the transferee is entered in the register of members or debenture holders in respect thereof.

Execution of  
transfers

19. Nothing contained in Article 9 shall prejudice any power of company to register as shareholder <sup>1</sup>[or debentureholder] any person to whom the right to any share <sup>1</sup>[or debentures] in the company has been transmitted by operation of law.

Transmission of  
Shares etc.

#### 19A <sup>2</sup>NOMINATION

Nomination

(i) Every Share/Bond/Debentureholder and a Depositor under the Company's Public Deposit Scheme (Depositor) of the Company may at any time, nominate in the perscribed manner, a person to whom his Shares/Bonds/Debentures or deposits in the company shall vest in the event of his death.

(ii) Where the Shares or Bonds or Debentures or Deposits in the Company are held by more than one person jointly, the joint holder may together nominate, in the perscribed manner, a person to whom all the rights in the shares or bonds or debentures or deposits in the company, as the case may be, shall vest in the event of death of all the joint holders.

(iii) Notwithstanding anything contained in any other law for the time being in force or in disposition, whether testamentary or otherwise, in respect of such Shares/ Bonds/ Debentures or Deposits in the Company, where a nomination made in the perscribed manner purport to confer on any person the right to vest the Shares/Bonds/Debentures or Deposits in the Company, the nominee shall on the death of the Share/Bond /Debentureholder or a Depositor, as the case may be, on the death of the joint holders become entitled to all the rights in such Shares/Bonds/ Debentures or deposits, as the case may be, all the

<sup>1</sup>Added vide special resolution passed at AGM held on 03.9.1985

<sup>2</sup>Added vide special resolution passed at EGM held on 20.03.2002

## INCREASE, REDUCTION AND ALTERATION OF CAPITAL

- 20.<sup>1</sup> Subject to the provisions of the Act the Company in General Meeting, may increase the share capital by such sum to be divided into shares of such amount as the resolution shall prescribe.

66  
Increase of capital

- 20A.<sup>2</sup> Any debentures, debenture-stock or other securities may be issued at a discount, premium or otherwise and may be issued on condition that they shall be convertible into shares of any denomination and with any privileges and conditions as to redemption, surrender, drawing, allotment of shares, attending (but not voting) at the General Meeting, appointment of Directors and otherwise Debentures with the right to conversion into or allotment of shares shall be issued only with the consent of the Company in the General Meeting by a Special Resolution.

Terms of Issue of  
Debentures

- 21.<sup>1</sup> New shares shall be issued upon such terms and conditions and with such rights and privileges annexed thereto as the general meeting resolving upon the creation whereof shall direct. Provided that no shares (not being preference share) shall be issued carrying voting rights or rights in the company as to dividend, capital or otherwise, which are disproportionate to the rights attaching to the holders of other shares (not being preference shares).

On what condition  
new shares may  
be issued

- 21A.<sup>2</sup> 1. Where at the time after the expiry of two years from the formation of the Company or at any time after the expiry of one year from the allotment of shares in the Company made for the first time after its formation, whichever is earlier, it is proposed to increase the subscribed capital of the Company by allotment of further shares either out of the unissued capital or out of the increased share capital then :

Further Issue of  
Shares

(a) Such further shares shall be offered to the persons who at the date of the offer, are holders of the equity shares of the Company, in proportion as near as circumstances admit, to the capital paid-up on that shares at the date.

(b) Such offer shall be made by a notice specifying the number of shares offered and limiting a time not being less than

<sup>1</sup>Amended vide special resolution at EGM held on 07.07.2004

<sup>2</sup>Added vide special resolution at EGM held on 07.07.2004

made by the Board of Directors in this behalf, that the proposal is most beneficial to the Company.

68

3. Nothing in sub-clause (c) of (1) hereof shall be deemed :

(a) To extend the time within which the offer should be accepted; or

(b) To authorise any person to exercise the right of renunciation for a second time on the ground that the person in whose favour the renunciation was first made has declined to take the shares comprised in the renunciation.

4. Nothing in this Article shall apply to the increase of the subscribed capital of the Company caused by the exercise of an option attached to the debenture issued or loans raised by the Company:

(i) To convert such debentures or loans into shares in the Company; or

(ii) To subscribe for shares in the Company (whether such option is conferred in these Articles or otherwise).

Provided that the terms of issue of such debentures or the terms of such loans include a term providing for such option and such term :

(a) either has been approved by the Central Government before the issue of the debentures or the raising of the loans or is in conformity the rules, if any, made by that Government in this behalf; and

(b) in the case of debentures or loans or other than debentures issued to or loans obtained from Government in this behalf, has also been approved by a special resolution passed by the Company in General Meeting before the issue of the debentures or raising of the loan

a Depository, if permitted by law, in respect of any security and the Company shall, in the manner and within the time prescribed provided by the Depositories Act, 1996 issue to the beneficial owner the required Certificates of Securities.

0 70

If a person opts to hold his security with a depository, then notwithstanding anything to the contrary contained in the Act or in these Articles, the Company shall intimate such Depository the details of allotment of the security and on receipt of the information, the Depository shall enter in its record the name of the allottee as the beneficial owner of the security.

- (c) All securities held by a Depository shall be dematerialised and shall be in fungible form. Nothing contained in Sections 153 of the Act shall apply to a Depository in respect of securities held by it on behalf of the beneficial owners.

Securities in  
Depositories to  
be in fungible form

- (d) (i) Notwithstanding anything to the contrary contained in the Act or in these Articles, a Depository shall be deemed to be the registered owner for the purposes of effecting transfer of ownership of security on behalf of the beneficial owner.

Rights of  
Depositories and  
beneficial owners

- (ii) Save as otherwise provided in (i) above, the Depository as the registered owner of the securities shall not have any voting rights or any other rights in respect of the securities held by it.

- (iii) Every person holding securities of the company and whose name is entered as the beneficial owner in the records of the Depository shall be deemed to be a member/debentureholder, as the case may be, of the Company. The beneficial owner of securities shall be entitled to all the rights and benefits and be subject to all the liabilities in respect of his securities which are held by a Depository.

agreeing to procure subscription (whether absolute or conditional) for any shares or debenture in the company, but so that the commission shall not exceed in the case of shares five percent of the price at which the shares are issued and in case of debentures two and a half percent of the price at which the debentures are issued. Such commission may be satisfied by payment of cash or allotment of fully or partly paid shares/debentures or partly in one way and partly in the other.

00 72

- 27.<sup>2</sup> The Company may pay a reasonable and lawful sum of brokerage.

Payment of  
brokerage

### BORROWING POWERS

- 28.<sup>3</sup> Subject to the provisions of Section 58A, 292 and 293 of the Act, and Government Guidelines issued from time to time, the Board may by means of resolution passed at meetings of the Board from time to time, accept deposits or borrow and/or secure the payment of any sum or sums of money for the purpose of the Company.

Power to Borrow

- 29.<sup>3</sup> Subject to section 79 and 117 of the Act, any bonds may be issued at a discount, premium or otherwise and with any special privileges as to redemption, surrender, drawings and allotments of shares.

Issue at discount  
etc. or with  
special privileges

30. At least Twentyone clear days notice in writing, specifying the place, day and hour of General Meetings, with a statement of the business to be transacted at the meeting shall be served on every member in the manner provided by the Act but with the consent, in writing, of all the members entitled to receive notice of same, any General Meeting may be convened by such shorter notice and in such manner as those members may think fit.

Notice of General  
meeting

31. The accidental omission to give notice to or the non-receipt thereof by any member shall not invalidate any resolution passed at any such meeting.

Omission to give  
notice not to invali-  
date a resolution  
passed

32. <sup>1</sup>[Five members present in person] or by duly authorised representative shall be quorum for a General Meeting of the Company.

Quorum

33. The Chairman of the Board of Directors or in his absence the Vice-Chairman shall be entitled to take the chair at every General Meeting but if neither the Chairman nor the

Chairman of  
General Meeting

<sup>1</sup>Substituted vide special resolution of AGM 30.09.1985

<sup>2</sup>Added vide special resolution of EGM held on 17.09.1993

<sup>3</sup>Substituted vide special resolution of EGM held on 29.09.1998

NTPC Limited<sup>1</sup>

I.....a member of.....  
do hereby appoint.....of.....  
(or failing him).....of.....  
as my proxy to attend and vote for me and on my  
behalf at the Annual/Extraordinary General Meeting of the  
Company to be held on the day.....of.....  
and at any adjournment thereof.

As witness my hand this.....day of.....

Signed by the said.....

38. Save as herein otherwise provided, the Directors shall be entitled to treat the person whose name appears on the register of members as the holder of any share as the absolute owner thereof and accordingly shall not (except as ordered by a court of Competent jurisdiction or as by law required) be bound to recognize any benami trust or equitable, contingent or other claim to or interest in such share on the part of any person whether or not it shall have express or implied notice thereof.
- Company not bound to recognise any interests in shares other than that of the registered holders

BOARD OF DIRECTORS

- 39.<sup>2</sup> The business of the company shall be managed by the Board of Directors subject to the compliance of conditions stipulated in Department of Public Enterprises Office memorandum No. DPE/11 (2)/97-Fin dated 22nd July, 1997 as modified from time to time.
- Board of Directors

- 40.<sup>3</sup> The President shall from time to time determine the number of Directors of the company which shall be not less than 4 and not more than twenty (20). These Directors may be either whole time functional Directors or part time Directors.
- Number of Directors.

41. (i) (a) The Chairman shall be appointed by the President. All other members of the Board of Directors including Vice-Chairman shall be appointed by the President in consultation with the Chairman of the company. No such consultation will be necessary in case of appointment of Directors representing the Government.
- Appointment of Board of Directors

<sup>1</sup> Amended vide Special Resolution passed at AGM held on 23.09.2005.

<sup>2</sup> Substituted vide special resolution of EGM held on 29.05.1998.

<sup>3</sup> Amended vide special resolution of EGM held on 07.07.2004

fill the vacancy, the meeting shall stand adjourned till the same day in the next week, at the same time and place, or if that day is a public holiday, at the same time and place, and if at the adjourned meeting also, the place of retiring Director is not filled up and that meeting also has not expressly resolved not to fill the vacancy, the retiring Director shall be deemed to have been re-appointed at the adjourned meeting, unless;

- (I) at that meeting or at the previous meeting, a resolution for the re-appointment of such Director has been put to the meeting and lost;
  - (II) the retiring Director has, by a notice in writing addressed to the Company or its Board of Directors, expressed his unwillingness to be so re-appointed;
  - (III) he is not qualified or is disqualified for appointment;
  - (IV) a resolution, whether Special or Ordinary, is required for his appointment by virtue of any provisions of the Act.
  - (V) the proviso to sub-section (2) of section 263 is applicable to the case.
- (iv)<sup>1</sup> A Director representing the Government Department shall retire on his ceasing to be an official of that Department.
- (v) The President may from time to time or any time remove any part-time Director, from office at his absolute discretion, Chairman and whole-time Directors may be removed from office in accordance with the terms of appointment or if no such terms are specified, on the expiry of 3 months notice issued in writing by the President or with immediate effect on payment of the pay in lieu of the notice period.
- (vi)<sup>1</sup> President shall have the right to fill any vacancy of the office of the Directors including Chairman & Managing Director appointed by him, caused by

<sup>1</sup>Amended vide special resolution of EGM held on 07.07.2004.

- (i) The Company's revenue budget in case there is an element of deficit which is proposed to be met by obtaining funds from the Government.
- (ii) Winding up of the Company.
- (iii) Sale, lease, disposal or otherwise of the whole or substantially the whole of the undertaking of the company.
- (iv) The Annual and Five year Plans for Development.
- (v) Any other matter which in the opinion of the Chairman and Managing Director be of such importance as to be reserved for the approval of the President.

45<sup>1</sup>. Notwithstanding anything contained in all these Articles, the President may from time to time issue such directives or instructions as may be considered necessary in regard to conduct of business and affairs of the company and in like manner may vary and annul any such directive or instruction. The Directors shall give immediate effect to the directives or instructions so issued. In particular, the President will have the powers :

Powers of President  
to issue directives

- (i) To give directives to the Company as to the exercise and performance of its functions in matters involving national security or substantial public interest.
- (ii) To call for such returns, accounts and other information with respect to the property and activities of the company as may be required from time to time.
- (iii) To determine in consultation with the Board annual, short and long term financial and economic objectives of the company.

Provided that all directives issued by the President shall be in writing addressed to the Chairman. The Board shall except where the President considers that the interest of national security requires otherwise, incorporate the contents of directives issued by the President in the annual report of

<sup>1</sup>Substituted vide Special Resolution of EGM held on 29.05.1998.



meeting or in a subsequent meeting of the Board held within a period of three months.

00 80

- |     |   |   |
|-----|---|---|
| 52. | The meetings and proceedings of any such committee consisting of two or more members shall be governed by the provisions of the Act for regulating the meetings and proceedings of the Directors, so far as the same are applicable thereto and are not superseded by any regulations made by the Directors under the last preceding Article.   | Meetings of Committees how to be governed |
| 53. | A Committee may elect a Chairman at its meeting; if no such Chairman is elected, or if at any meeting the Chairman is not present within 15 minutes after the time appointed for holding the same, the members present may choose one of their members to be Chairman of the meeting.   | Chairman of meetings of Committees        |
| 54. | The Board of Directors may pay all the expenditure incurred in setting up and registering the Company.  | General powers of the Board               |
| 55. | Subject to the provisions of the Act and without prejudice to the general power conferred by these Articles, the Directors shall have the following powers, that is to say powers :   | Specific powers given to Directors        |
| (1) | To make, vary and repeal from time to time bye-laws for the regulation of the business of the Company, its officers and servants;   | To make bye-laws                          |
| (2) | To pay and charge to the capital account of the Company any interest lawfully payable thereat under the provision of the Act;   | To pay and charge interest etc.           |
| (3) | To purchase, take on lease or otherwise acquire for the Company property rights or privileges which the Company is authorised to acquire at such price and generally on such terms and conditions as they think fit.  | To acquire property                       |
| (4) | To pay for any property or rights acquired by or services rendered to the Company, either wholly etc. or partially in cash or in shares, bonds, debentures, debenture stock or in shares that may be issued either as fully paid up or with such amount credited as paid up thereon as may be agreed upon; and any such bonds, debentures, debenture stock or other securities may be either specifically charged upon all or any | To pay for property in debentures         |

for repairing, replacement, improving, extending and maintaining any part of the properties of the Company and for such other purposes [including the purposes referred to in the sub-clause (9)] as the Directors may, in their absolute discretion think conducive to the interest of the Company and to invest the several sums so set aside or so much thereof as required to be invested upon such investments (subject to the restriction imposed by the Act) as the Directors may think fit; and from time to time to deal with and vary such investments and dispose of and apply and expend all or any part thereof for the benefit of the company, in such manner and for such purposes as the Directors (subject to such restrictions as aforesaid) in their absolute discretion think conducive to the interest of the Company notwithstanding that the matters to which the Directors apply or upon which they expend the same, or any part thereof, may be matters to or upon which the capital moneys of the Company might rightly be applied or expended and to divide the Reserve Fund into such special funds as the Directors may think fit and to employ the assets constituting all or any of the above funds, including the Depreciation Fund, in the business of the Company or in the purchase or repayment of Redeemable Preference Shares and that without being bound to keep the same separate from the other assets, and without being bound to pay or allow interest on the same, with power, however, to the Directors at their discretion to pay or allow to credit such fund interest at such rate as the Director may think proper, not exceeding six percent per annum;

- (11) To create such posts, other than those to which appointment is made by the President, as they may consider necessary for the efficient conduct of the Company's affairs and to determine the scale of pay and other term thereof.

To create posts

- (12) To appoint and at their discretion remove or suspend such Managers, Secretaries, Officers, Clerks, Agents and Servants from permanent, temporary or special service, as they may from time to time, think fit and to determine their powers and duties and fix their salaries or emoluments and

To appoint officers

<sup>1</sup>Substituted vide special resolution of EGM held on 29.05.1998

means of any machine, equipment or other mechanical means such as engraving in metal or lithography, but not by means of a rubber stamp, provided that the Director(s) shall be responsible for the safe custody of such machine equipment or other metal used for the purpose].

00 84

#### DIVISION OF PROFITS AND DIVIDEND

- 57.1 (i) The profits of the Company available for payment of dividend subject to any special rights relating thereto created or authorised to be created by these presents and subject to the provisions of the Act and these presents as to the reserve fund and amortisation of capital shall be divisible among the members in proportion to the amount of capital paid-up by them respectively. Provided always that (subject as aforesaid) any capital paid-up on a share during the period in respect of which a dividend is declared shall only entitle the holder of such share to an apportioned amount of such dividend as from the date of payment. Division of profits
- (ii) No dividend shall be declared or paid by the company for any financial year except out of profits of the company for that year arrived after providing for the depreciation in accordance with the provisions of sub-section (2) of section 205 of the act or out of profits of the company for any previous financial year or years arrived after providing for the depreciation in accordance with applicable laws and remaining undistributed or out of both or out of moneys provided by the government for the payment of dividend in pursuance of a guarantee given by the government. No dividend shall carry interest against the company.
- (iii) For the purpose of the last preceding article, the declaration of the directors as to the amount of the profits of the company shall be conclusive.
- (iv) Subject to the provisions of section 205 of the act as amended, no dividend shall be payable except in cash.
- (v) A transfer of shares shall not pass the right to any dividend declared thereon after transfer and before the registration of the transfer.

<sup>1</sup>Substituted vide special resolution of EGM held on 07.07.2022

## AUDIT

00 86

61<sup>1</sup> Once at least in every financial year the accounts of the Company shall be examined and a report on the true and fair view of the state of affairs in case of the Balance Sheet and of the profit or loss in case of Profit & Loss Account as per Section 227 of the Act shall be given by one or more auditors.

Accounts to be audited annually

62<sup>1</sup> The Auditor/ Auditors of the Company shall be appointed or re-appointed by the Comptroller and Auditor General of India in accordance with the provisions of Section 619 of the Act.

Appointment of Auditors

A. K. RASTOGI  
Secretary

63. The Comptroller and Auditor General of India shall have power :

Powers of the  
Comptroller and  
Auditor General

(i) To direct the manner in which the Company's account shall be audited by the Auditor/Auditors appointed in pursuance of Article 62 hereof and to give such auditor/auditors instructions in regard to any matter relating to the performance of his/their functions as such :

(ii) To conduct a supplementary or test audit of the company's accounts by such person or persons as he may deem fit on his behalf and for the purpose of such audit to require information or additional information to be furnished to any person or persons and in such form as the Comptroller and Auditor General may, by general or special order, direct;

(iii) The auditor/auditors aforesaid shall submit a copy of his/their audit report to the Comptroller and Auditor General of India who shall have the right to comment upon or supplement the audit report in such manner as he may think fit;

(iv) Any such comment upon, or supplement to the Audit Report shall be placed before the Annual General Meeting of the Company in the same manner as the Audit Report.

64. The Auditors of the Company shall be entitled to receive notice of and to attend any General Meeting of the Company at which any accounts which have been examined or reported on by them are to be laid before the Company and may make any statement or explanation they desire with respect to the accounts.

Auditor's right to attend Meetings

<sup>1</sup> Substituted vide Special Resolution passed at AGM held on 17.09.2

## INDEMNITY AND RESPONSIBILITY

88

69. (i) Subject to the provision of Section 201 (i) of the Companies Act, every Director, Manager, Auditor, secretary or other officer or employee of the Company shall be indemnified by the Company against and it shall be duty of the Directors out of the funds of the Company to pay all costs, losses and expenses (including travelling expenses) which any such Director, Manager, officer or employee may incur or become liable to by reason of any contract entered into or act or deed done by him or them as such Director, Manager, Officer or servant or in any other way in the discharge of his duties and the amount for which such indemnity is provided shall immediately attach as a lien on the property of the Company and have priority as between the Members over all other claims.

Director's and other's right to indemnity

(ii) Subject as aforesaid every Director, Manager or Officer of the Company shall be indemnified against any liability incurred by him or them in defending any proceedings whether civil or criminal in which judgement is given in his or their favour or in which he is or they are acquitted or in connection with any application under Section 633 of the act in which relief is given to him or them by the Court.

70. Subject to the provision of Section 201 of the Act, no Director, Manager or other officer of the Company shall be liable for the acts, receipts, neglects or defaults of any other Director or officer, or for joining in any receipt or other act for the sake of conformity or for any loss or expense happening to the Company through insufficiency or deficiency of title to any property acquired by order of the Directors for or on behalf of the Company or for the insufficiency or deficiency of any security in or upon which any of the moneys of the company shall be invested, or for any loss or damage arising from the bankruptcy, insolvency or tortious act of any person, company or corporation, with whom any moneys, securities or effects shall be entrusted or deposited or for any loss occasioned by an error of judgement or oversight on his or their part, or for any other loss or damage or misfortune whatever which shall happen in the execution of the duties of his or their office or in relation thereto unless the same happens through his own dishonesty.

Not responsible for acts of others

Government of Odisha  
Department of Water Resources

No. 13280 /WR., Date: 31-5-14  
\*\*\*\*\*  
Ir-II-WRC-47/14

From  
Er. Janaki Ballav Mohapatra,  
EIC-cum-Special Secretary to Government.

To  
The General Manager,  
M/s National Thermal Power Corporation Ltd. (NTPC),  
(A Government of India Undertaking)  
Darlipali Super Thermal Power Project,  
3<sup>rd</sup> & 4<sup>th</sup> Floors, Amba Towers, Hospital Road,  
Sundargarh-770001.

Sub: Allocation of water in favour of M/s NTPC for their proposed 3200 MW Power Plant at Darlipali in the District of Sundargarh.

Sir,

I am directed to invite reference to the Letter No. 493 Dated 14.02.2014 of CMD, IPICOL on the subject mentioned above and say that Government in Water Resources Department have been pleased to accord permission for in-principle allocation of 95 cusecs of water in favour of M/s National Thermal Power Corporation Ltd. (NTPC) from Hirakud Reservoir for their proposed 3200 MW Power Plant at Darlipali in Sundargarh District with the condition that M/s NTPC will contribute towards 'Water Conservation Fund' to be created by Government in due course. The detailed Head of Account in which the amount be deposited shall be intimated soon after decision of Government.

This is in supersession of this Department Letter No. 355/WR dated 06.01.2010.

Yours faithfully,

  
EIC-cum-Special Secretary to Government

Memo No. 13281 /WR Dtd. 31-5-14

Copy forwarded to the EIC, WR/CE & BM, UMB, Burla/SE, Hirakud/CE, EE & E/CE, OWPO/Chief Engineer, Water Services for information and necessary action.

  
EIC-cum-Special Secretary to Government

Memo No. 13282 /WR Dtd. 31-5-14

Copy forwarded to Department of Energy/ CMD, IPICOL/ CMD, IDCO for information and necessary action.

  
EIC-cum-Special Secretary to Government

**Office of the Chief Engineer and Basin Manager,  
Upper Mahanadi Basin, Burla**

No. CE& BM/UMB/W/M/377/07 (10)- 3888

Dt. 21.06.2014

To,  
The General Manager,  
NTPC Ltd. Darlipali Super Thermal Power Project,  
Sundergarh.

Sub-Approval of scheme for drawal of 95.00 Cusecs water from Hirakud Reservoir by NTPC Ltd.,  
Darlipali Super Thermal Power Project, Sundergarh

Ref: 1) NTPC Ltd letter nil dt. 13.03.2014 & 06.06.2014.

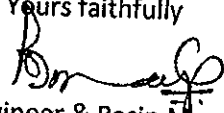
2) DOWR Lr.. No.-13280 dt. 31.05.14

Sir,

With reference to the letter and subject cited above, the scheme for drawal of 95 cusecs of water from Hirakud Reservoir by M/S NTPC Ltd., Darlipali Super Thermal Power Project, Sundergarh is here by approved with the following conditions.

- 1) The legal status of land should remain unchanged
- 2) The surface right of the land in which the leading channel is constructed belongs to the Water Resources Department.
- 3) The excavated earth of the leading channel must be removed away from the reservoir area to prevent further entry into the reservoir.
- 4) The agency is to cut and cover the pipeline if any, passing through Hirakud Reservoir area as far as possible to the natural surface of the ground.
- 5) Excavated muck is to be dressed on the same pipe line and surplus material should be disposed off beyond reservoir area, not obstructing the flow of water to the Hirakud Reservoir.
- 6) All the dumped earth inside Hirakud Reservoir must be removed and disposed away from the reservoir.
- 7) The natural flow of water into the Hirakud Reservoir must not be disrupted by any sort of construction.
- 8) The intake well and pump house are to be constructed over the land above RL 632ft. owned by / leased in favour of the company.
- 9) The design and safety of structures is the sole responsibility of the company.
- 10) The officers of Water Resources Department can inspect the scheme anytime during and after construction.
- 11) The company will not disturb the ecology in any way.
- 12) Terms and conditions of the detailed water allocation order to be issued by the Government in Department of Water Resources, Odisha will be binding on NTPC.

Yours faithfully

  
Chief Engineer & Basin Manager  
Upper Mahanadi Basin, Burla

21.6.14

**Memo. No. 3889**

**Dt. 21.06.2014**

Copy submitted to the Engineer-In- Chief Cum Special Secretary to Govt. Department of Water Resources, Odisha, Rajiv Bhawan, Bhubaneswar for favour of kind information and necessary action.

Chief Engineer & Basin Manager.

**Memo. No. 3890**

**Dt. 21.06.2014**

Copy to the Chief Engineer, Water Services, O/O the Engineer-in-Chief, Water Resources, Odisha, Bhubaneswar for information and necessary action.

Chief Engineer & Basin Manager.

**Memo. No. 3891**

**Dt. 21.06.2014**

Copy submitted to the Superintending Engineer, Hirakud Dam Circle, Burla / Executive Engineer, Main Dam Division, Burla for information and necessary action.

Chief Engineer & Basin Manager.



# LAND SCHEDULE

# ABSTARCT OF LAND SCHEDULES

Sl no	Name of the Village	Chainage (From Km)	Chainage (To Km)	Pvt. Plot No.	Pvt. Area(Acre)	Govt. Plot No.	Govt. Area(Acre)	Forest Plot No.	Forest Area(Acre)	Total Plot No.	Total Area(Acre)
1	Darlipali	0.000	1.150	25	7.559	11	3.373	1	0.370	37	11.302
2	Kanaktora	1.150	3.375	85	19.691	10	3.295	9	4.070	104	27.056
3	Chichinda	3.375	4.300	14	4.172	15	8.062	0	0.000	29	12.234
4	Kechhobahal	4.300	6.390	45	13.904	24	6.920	1	3.903	70	24.727
5	Chandlimal	6.390	8.570	79	18.121	5	1.189	10	7.020	94	26.330
6	Rajpur	8.570	8.900	71	20.127	8	2.141	6	1.869	85	24.137
7		9.535	11.190								
8	Goudmal	8.900	9.535	19	6.287	4	0.421	1	1.189	24	7.897
9	Katapali	11.190	12.130	62	11.583	1	0.122	0	0.000	63	11.705
10	Degaon	12.130	12.435	5	3.720	0	0.000	0	0.000	5	3.720
11	Brajarajnagar Unit-2	12.435	17.770	334	45.638	63	14.450	0	0.000	397	60.088
12	Brajarajnagar Unit-1	17.770	20.545	12	6.687	20	7.498	10	16.487	42	30.672
13	Bundia	21.900	23.525	5	1.931	4	6.547	3	16.280	12	24.758
14		23.800	24.160								
15	Ailapali	23.525	23.800	20	4.009	4	1.473	3	0.896	27	6.378
16	Balput	24.160	24.600								
17		24.600	26.100	15	2.767	6	13.402	1	1.591	22	17.760
18	Kirarama	26.100	27.490	35	9.837	6	1.155	1	4.709	42	15.701
19	Sarandamal	27.490	29.830	112	23.419	26	4.663	0	0.000	138	28.082
20	Dalagaon	29.830	30.560	28	6.168	6	2.491	0	0.000	34	8.659
21	Negipali	30.560	31.700	45	13.600	10	0.806	0	0.000	55	14.406
22	Telenpali	31.700	33.200	28	5.960	8	17.773	0	0.000	36	23.733
23		34.690	36.450								
24	Banharpali	36.560	37.000								
25		37.245	37.680	44	14.665	8	2.728	6	3.108	58	20.501

Sl no	Name of the Village	Chainage (From Km)	Chainage (To Km)	Pvt. Plot No.	Pvt. Area(Acre)	Govt. Plot No.	Govt. Area(Acre)	Forest Plot No.	Forest Area(Acre)	Total Plot No.	Total Area(Acre)
26	Hirakud Resorvoir	17.420	17.560				80.014				80.014
27		18.460	18.900								
28	20.520	21.330									
29	33.220	34.690									
30	35.200	35.500									
31	Hirakud Resorvoir	35.600	35.820								
32		35.900	36.070								
33		36.450	36.550								
34		37.000	37.240								
35		37.700	39.161								
TOTAL				1083	239.845	239	178.523	52	61.492	1374	479.860



No.11 /3/2014-PG (Darlipalli STPP (2x800MW-NTPC)

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

Shram Shakti Bhawan, Rafi Marg, New Delhi – 110001

Telefax No. 23730264

\*\*\*\*\*

New Delhi dated the 28<sup>th</sup> March, 2014.

To,

Shri P Purkayastha  
GM (CP)  
NTPC Limited  
NTPC Bhawan, SCOPE Complex  
7, Institutional Area, Lodhi Road  
New Delhi-110003

Copy to  
HCB/CP/PP/11  
Copy to  
2(PW)/RIP/IR/11  
ED/CP/ED/PP/11/ED/PP/11

**Sub: Prior Approval of the Government under Section 68 of the Electricity Act, 2003 for construction of two nos. dedicated 132 kV Single Circuit Transmission Lines for Make- up water system of Darlipalli STPP (2x800MW).**

Sir,

I am directed to refer to NTPC Limited letter no. 01/CP/GPA/MOP/652/Darlipalli dated 10.02.2014 on the above subject and to convey the prior approval of the Central Government under sub section (1) of Section 68 of the Electricity Act, 2003 for construction of two 132 kV dedicated transmission lines from Darlipalli STPP (2X800 MW) situated in Sundergarh district of Odisha to Make Up Water Pump House located at a distance of about 42 km from project site for the scope of work as under:

- (ii) Darlipalli STPP (2x800 MW) – Make Up Water Pump House 132 kV 2x S/c lines using Panther Conductor (approx. 40 km)
2. The approval is subject to compliance of (a) the requirement of the relevant provisions of the Electricity Act, 2003, as amended from time to time and the rules and regulations framed there-under and (b) the rules governing the overhead lines as specified in the Indian Electricity Rules, 1956, till they are substituted by corresponding rules framed under the Electricity Act, 2003.
3. The approval is also subject to the following conditions:
  - i. The implementing agency will commence construction of the project within 3 years, unless this term is extended by the Ministry of Power.
  - ii. Ministry of Power may withdraw the approval before the expiry of the period of 3 years after giving a one-month notice.

Continued..

*Shri P Purkayastha*

- iii. The implementing agency shall abide by the provisions of Works of Licensee Rules, 2006 notified by the Government of India, Ministry of Power in the Gazette of India, extra ordinary Part-II, Section 3(i) dated 18-04-2006 (vide GSR 217 (E) dated 18-04-2006).
- iv. NTPC Limited should comply with all the conditions spelt out in the Gazette notification no.25/25/2004-R&R dated 08.06.2005 wherein it is mentioned that "A generating company or a person setting up a captive generating plant shall not be required to obtain license under the Act for establishing or maintaining a dedicated transmission line if such company or person complies with the following
- a) Grid code and standards of grid connectivity;
  - b) Technical standards for construction of electrical lines;
  - c) System of operation of such a dedicated transmission line as per the norms of system operation of the concerned State Load Despatch Centre (SLDC) or Regional Load Despatch Centre (RLDC);
  - d) Directions of concerned SLDC or RLDC regarding operation of the dedicated transmission line."

Yours faithfully,

  
(Girish Kumar)

Section Officer (PG)  
Telefax- 23730264

Copy to

1. Shri Ravinder Gupta, Director, CEA w.r.t. CEA letter no. 68/ER/2013-SP&PA/602 dated 06.03.2014
2. Shri D. Guha, Under Secretary, Thermal-II, Ministry of Power wrt. to File No. 5/6/2013-Th-II (part) for information.

**NTPC LIMITED**  
(A Government of India Enterprise)




**DARLIPALI SUPER THERMAL POWER PROJECT**  
**STAGE - I (2 x 800 MW) + STAGE - II (2 X 800 MW)**



**SCHEME FOR DRAVAL OF MAKE-UP WATER**  
**FROM HIRAKUD RESERVOIR**

**May, 2014**


  
प्रमोद कुमार / Pramod Kumar  
महा प्रबंधक (प्रवर्ग) / General Manager (IIC)  
दरलपली सुपर थर्मल पावर प्रोजेक्ट / Darlipah STPP  
एनटीपीसी लिमिटेड / NTPC LTD.  
सुंदरगढ़ / Sundergarh

## PREFACE

Darlipali Super Thermal Power Project has been conceived as a coal based power plant of 3200 MW ultimate capacity near village Darlipali in District Sundergarh, Odisha. The project is envisaged to be implemented in two stages i.e. Stage-I (2x800 MW) and Stage-II (2x800 MW). The plant site is about 330 km from Bhubaneswar Airport in Odisha and about 300 kms from Raipur Airport in Chhattisgarh. The Vicinity map of the proposed plant at Darlipali is given at **Annexure-I**.

The make-up water requirement for both the stages is about 95 cusecs (84.84 MCM), which shall be drawn from Hirakud reservoir on River Mahanadi. Industrial Promotion and Investment Corporation of Odisha Limited (A Govt. of Odisha Undertaking), vide letter No. SW/PP/NTPC/Darlipali/25/493 dtd. 14.02.14 has recommended for allocation of 95 cusecs of water for the project (Copy placed at **Annexure-II**). In lieu of allowing drawal of water from Hirakud Reservoir, Water Resource Department, Govt. of Odisha shall construct anicuts/ weirs on the river Mahanadi, IB & its tributaries on deposit work basis (funded by NTPC) in phased manner.

The make-up water pump house and its facility area are proposed to be constructed at the bank of the Hirakud reservoir,

  
राजेश कुमार / Rajesh Kumar  
प्रबंधक (आ.प्र.) / General Manager (I/C)  
दरलिपाली सुपर थर्मल पावर प्रोजेक्ट / Darlipali STPP  
एन.टी.पी.सी. / NTPC LTD.  
सुंदरगढ़ / Sundergarh

which is about 40 km from main plant site. Location of pump house on the bank of the reservoir is placed at **Annexure-III**. The proposed pump house on the bank shall be connected with the reservoir through an Intake Channel extending close to minimum draw down level (MDDL) of the Hirakud reservoir.

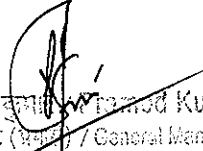
In order to devise the uninterrupted and sustainable 'Scheme for Drawal of Make-up Water from Hirakud Reservoir', detailed study has been carried out for location and type of intake based on hydrographic survey carried out in river Mahanadi near Chharharama village adjacent to the intake channel of IB Thermal Power Project of Odisha Power Generation Company (OPGC) Ltd.

The proposed "**Scheme for Drawal of Make-up Water from Hirakud Reservoir**" is being put up for the perusal of Water Resource Department, Govt. of Odisha.

## 2.0 **Salient Features of Hirakud Reservoir**

The Salient features of Hirakud reservoir from where the water is proposed to be drawn are as follows:-

Full Reservoir Level (FRL)	: RL. 192.024 m
HFL/ Maximum level of reservoir	: RL. 192.024 m
Top level of Hirakud Dam	: RL. 195.68 m
Gross storage capacity	: 7189 MCM

  
प्रमोद कुमार / Pramod Kumar  
महा प्रबंधक (प्रभार) / General Manager (i/c)  
दरिपली सुद संतप्त परियोजना / Daripali STPP  
एनटीपीसी लिमिटेड / NTPC LTD.  
सुन्दरगढ़ / Sundargarh



Live Storage capacity : 5375 MCM

(With MDDL as RL. 179.83 m)


Dead Storage capacity : 1814 MCM

3.0 **Location & Type of Proposed Intake Arrangement for Drawal of Make-up Water**

Detailed hydrographic & topographic surveys have been carried out to find out the suitable location for locating the pump house in the water spread of Hirakud reservoir. Based on the outcome of the studies, it is proposed to locate the pump house on bank of river Mahanadi near Chharharama village adjacent to the intake channel of Ib thermal power project of OPGC Ltd.

The pump house on the bank shall be connected with reservoir through Intake Channel extending close to minimum draw down level of Hirakud reservoir. The crest level of the weir at the start of Intake Channel (inside the reservoir) shall be at RL 179.83m. The pump floor of make-up water pump house has been proposed at RL 195.68m, which is the top level of Hirakud dam.

The land adjacent to the make-up water pump house shall be developed at RL 195.68m for electrical facilities. The developed land shall have adequate protection measures and fencing all around.

  
प्रमोद कुमार / Pramod Kumar  
महा प्रबंधक (प्रभारी) / General Manager (I/C)  
दिल्लीवाली बुक शॉप का प्रभारी / Delhiwali STPF  
एनटीपीसी लिमिटेड / NTPC LTD.  
सुन्दरगढ़ / Sundergarh

The tentative layout of make-up water pump house and facilities area is shown in **Annexure-IV** (four sheets).

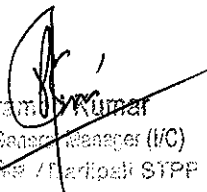
Makeup water from pump house upto plant shall be delivered by 2 number of pipeline. Each pipe shall be design for delivering 50% of makeup water requirement for stage-I. Various types of supports arrangements of makeup water pipes are attached as **Annexure-V**.

#### 4.0 Water Drawal Schedule

The month wise water drawal schedule for drawing 95 cusecs (84.84 MCM) of water for the ultimate stage of 3200 MW shall be as below:-

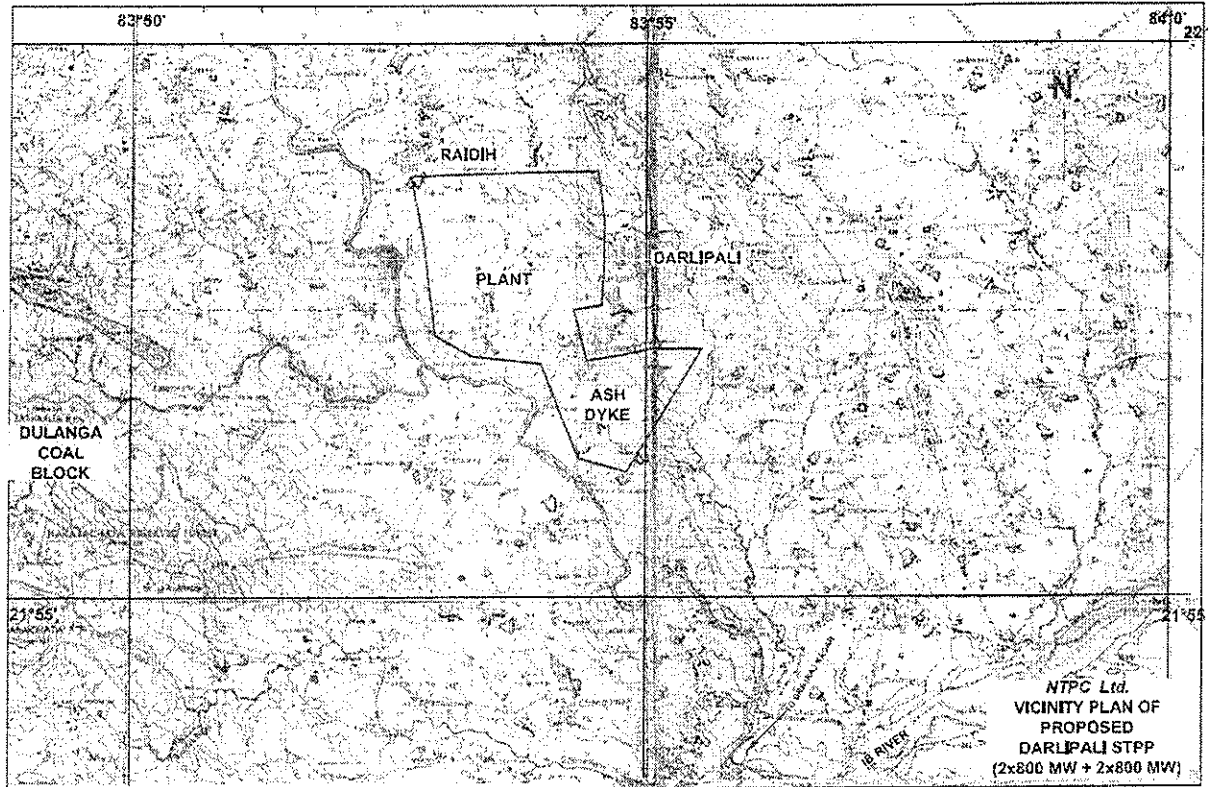
Sl. No.	Months	Water drawal per month in MCM
1	January	7.206
2	February	6.507
3	March	7.206
4	April	6.973
5	May	7.206
6	June	6.973
7	July	7.206
8	August	7.206
9	September	6.973
10	October	7.206
11	November	6.973
12	December	7.206
<b>Total Quantity to be drawn = 84.84 MCM</b>		


.....

  
 प्रमोद कुमार / Pramod Kumar  
 महा प्रबंधक (पानी) / General Manager (I/C)  
 तटस्थता एवं पानी का संचालन / Tardipati STPP  
 राजस्थान हाइड्रो एल्युमिनियम लिमिटेड / RAILCO LTD.  
 बुंदेलखंड / Bundelkhand

Annexure - I

VICINITY MAP OF DARLIPALI STPP



  
प्रसाद कुमार / Prasad Kumar  
महा प्रबंधक (प्रकृति) / Mahaprabandhak (Prakriti) in (P/C)  
दरिपली सुपर थर्मल पावर प्रोजेक्ट / Darlipali STPP  
एनटीपीसी लिमिटेड / NTPC LTD.  
सुन्दरगढ़ / Sundergarh

# INDUSTRIAL PROMOTION AND INVESTMENT CORPORATION OF ODISHA LIMITED

Government of Odisha (Secretariat)  
 A-12, P.O. 2004 Certified State Level Agency  
 Plot A, H. No. 1, Jharkhand, Bhubaneswar (OAR) - 751 002, Odisha, INDIA  
 Phone: 0674 2542601-03, 2542605-08 (EPABOX), Fax: 0674 2543790  
 E-mail: [www.ipicolodisha.com](mailto:ipicol@vsnl.com) / [www.ipicolodisha.org](mailto:www.ipicolodisha.org)  
 E-mail: [ipicol@vsnl.com](mailto:ipicol@vsnl.com) or [info@ipicolodisha.org](mailto:info@ipicolodisha.org)

IPICOL

No. SW/PP/NTPC/Darlipali/25

Dt. 14.12.2014

To  
 The Principal Secretary to Government,  
 Department of Water Resources,  
 Govt. of Odisha, Bhubaneswar.

Subj: Proposal for allocation of water in favour of NTPC Limited for the proposed Darlipali super thermal power project at Darlipali, Dist.- Sundergarh.

Sir,  
 The High Level Clearance Authority (HLCA) in its meeting held on 27.01.2010 approved in principle the proposal of M/s NTPC Limited to establish a 3200MW Thermal Power plant at Darlipali in Sundergarh district subject to certain conditions. As per decisions, M/s NTPC Ltd. is to abide by the conditions imposed by Water Resources Department ( Cr. No. 355 dt.06.01.2010) to fund towards construction of IB barrage & Sapal barrage and submit detail Project Report.

The Chief Engineer, Water Services vide letter no 8283 dated 24-09-13 has intimated that the company has applied in Form 'J' for allocation of 120 cusec of water for the project. The 60<sup>th</sup> Water Allocation Committee Meeting held on 07.06.2013 has recommended for allocation of 120 cusec water from Hirakud Reservoir subject to the conditions imposed in previous allocation order and certification on the requirement of water of 120 cusec for 3200 MW from IPICOL or from respective department.

Hence, IPICOL has been requested to furnish necessary recommendation in favour of NTPC on the required quantum of water for their proposed Darlipali super thermal power project (3x2x800MW) by adopting latest technology and present status of the industry for taking further action in this matter.

As per the CEA Report on 'Minimisation of Water Requirement in Coal Based Thermal Power Stations', in case WCSS system is used for fly ash disposal, the plant consumptive water requirement shall be 3m<sup>3</sup>/h per MW right from first year of plant operation. The same can be used for assessing water requirement for supercritical plants having 660/ 800 MW size unit and sub-critical plants having unit size less than 500 MW up to 250 MW. Accordingly, the required quantum of plant consumptive water for the proposed Darlipali super thermal power project (4x800MW) by adopting latest technology is assessed to be 9600 m<sup>3</sup>/h (96 cusec approx.).



प्रवीर कुमार / Praveer Kumar  
 महा प्रबंधक (प्रवर्तन) / General Manager (I/C)  
 दारिपली सुपर थर्मल पावर प्रोजेक्ट / Darlipali STPP  
 एनटीपीसी लिमिटेड / NTPC LTD.  
 सुंदरगढ़ / Sundergarh



In view of above, it is recommended that allocation of 45 cusecs of industrial water in favour of M/s NTPC Limited for their proposed 3200 MW Bantipali super thermal power project at Bantipali Dist. Sundergarh may be considered as per the prevailing guidelines of the Government and conditions imposed by HUCA.

A copy of letter dated 10.02.2014 received from M/s NTPC Limited regarding present status of the industry is also enclosed herewith for kind information.

Thanking you.

Yours faithfully,

Enc: as above

G. Nathi Vetharan

Chairman-cum-Managing Director

Memo No. 494(8) / Dt. 14.02.2014

Copy forwarded to the P.A. cum Additional Secretary to Govt., Energy Department, Government of Odisha/ E.I.C. cum Special Secretary to Govt, Water Resources Department/ Chief Engineer, water Services, Sacha Sadan, Bhubaneswar for kind information and necessary action.

Dy. General Manager

Memo No. 495 / Dt. 14.02.2014

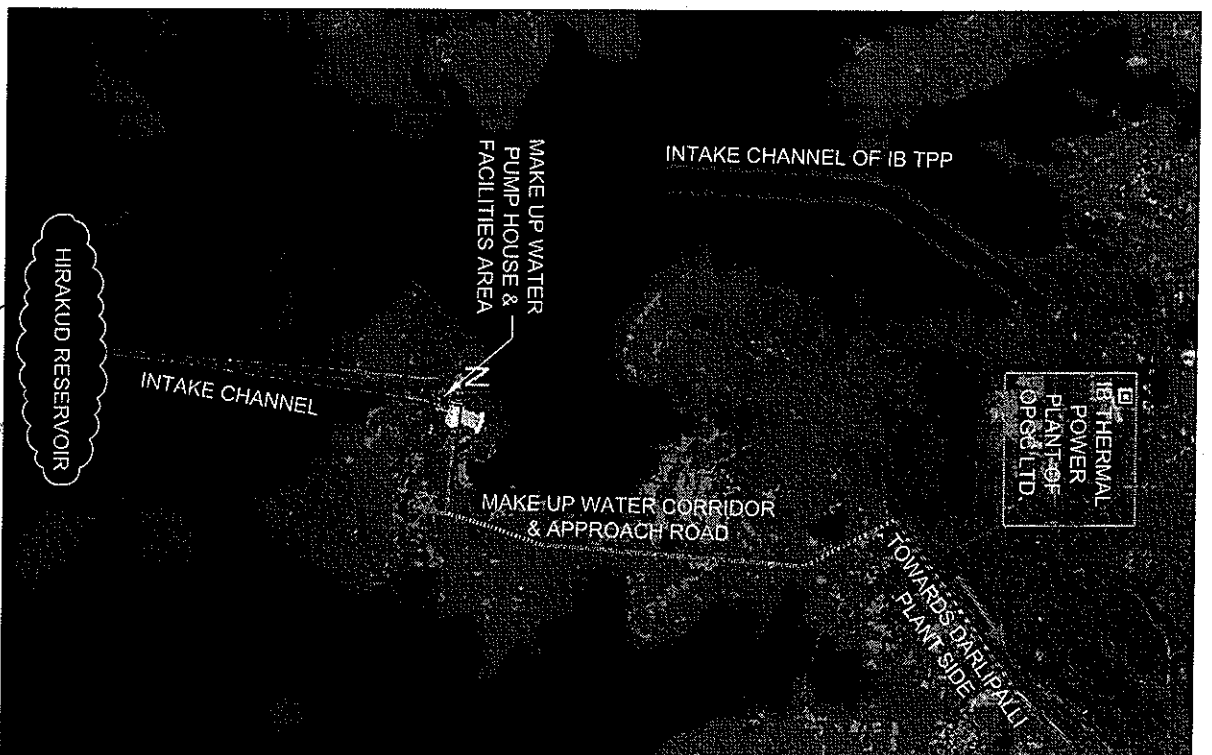
Copy forwarded to M/s NTPC Limited, 3<sup>rd</sup> & 4<sup>th</sup> floor, Anna Tower, Hospital Road, Sundergarh-770001, Odisha for information and necessary action.

Dy. General Manager

प्रमोद कुमार / P. Mohod Kumar  
महा प्रबंधक (प्रवर्त) / General Manager (IIC)  
बन्तिपाली सुपर थर्मल पावर प्रोजेक्ट / Bantipali STPP  
एनटीपीसी लिमिटेड / NTPC LTD.  
सुंदरगढ़ / Sundergarh

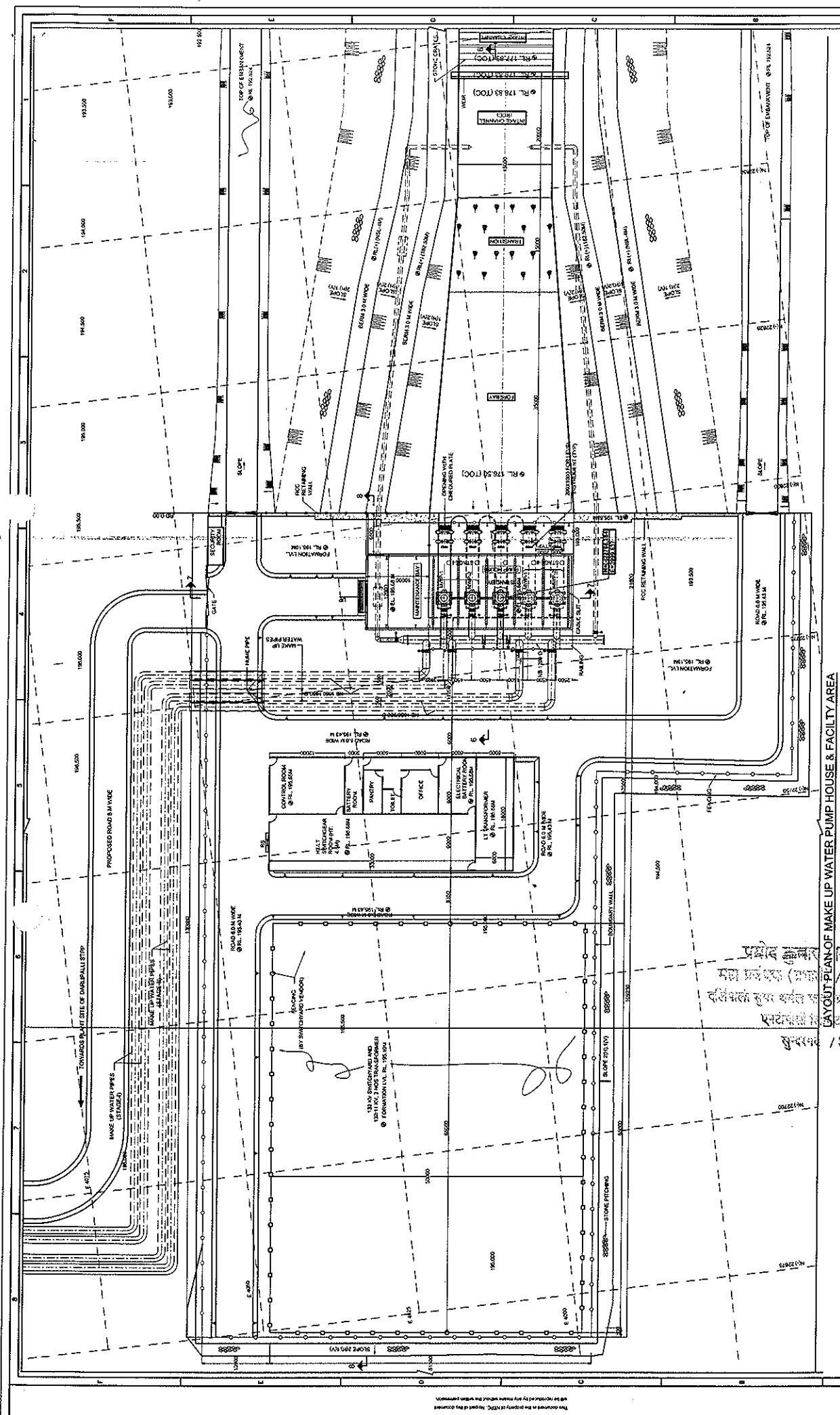


LOCATION OF PUMP HOUSE



DETAIL - A


## **Annexure-IV**




**NOTES :**

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS, NORTHING & EASTING ARE IN METERS.
2. DIMENSIONS OF ELECTRICAL FACILITY BUILDINGS ARE CLEAR INTERNAL DIMENSIONS.

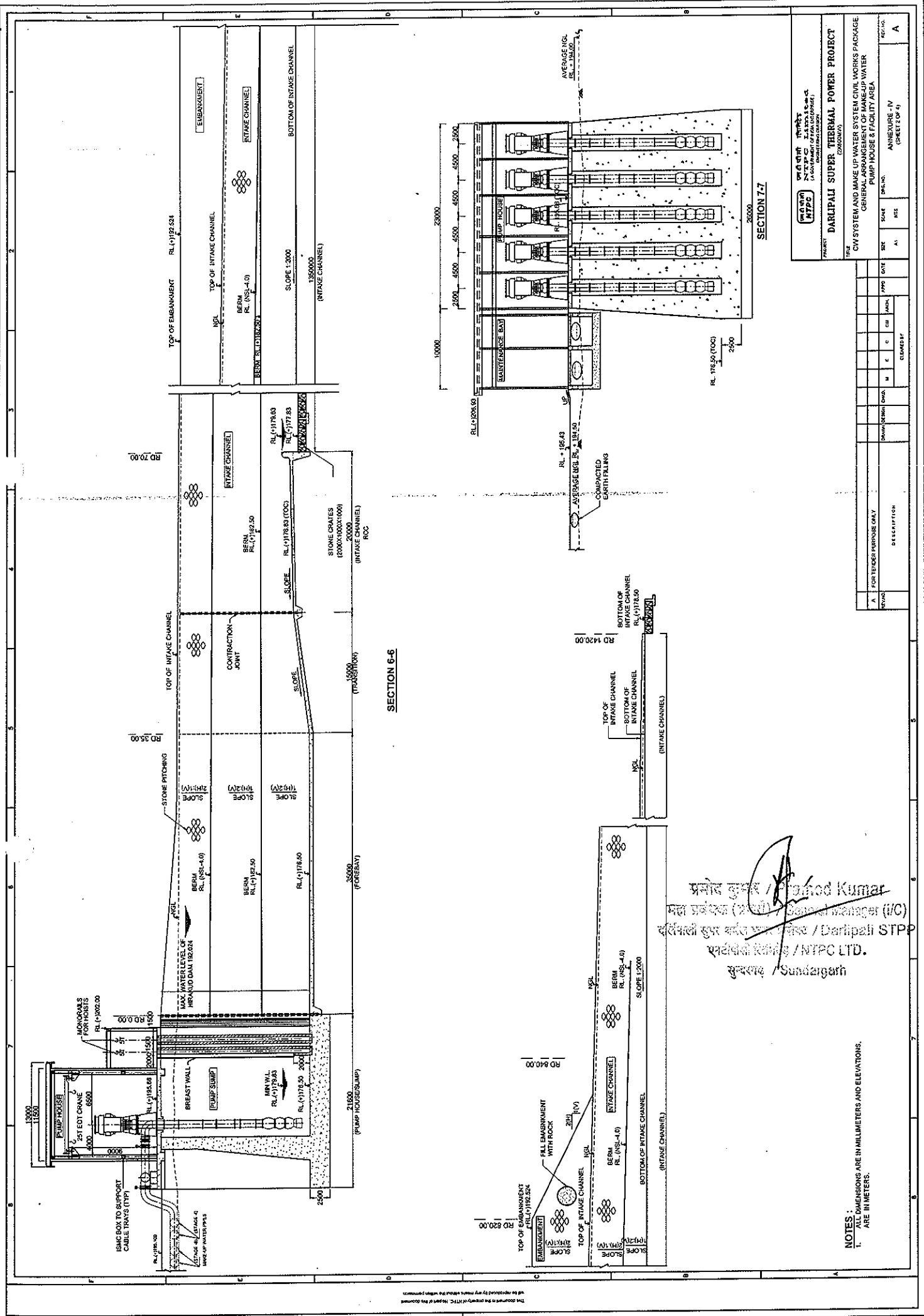
**LEGEND :**  
**⊗ PROPOSED LEVEL**

प्रमोद कुमार महा प्रबंधक (प्रशासन) दक्षिणपूर्व गुप्त रक्षा परामर्शक निदेशक सुंदरगढ़	 Pramod Kumar / General Manager (IC) प्रमोद / Dalipeli STPP डीप / NTPCLTD. सुंदरगढ़ / Sundargarh
---	--

LAYOUT PLAN OF MAKE UP WATER PUMP HOUSE & FACILITY AREA

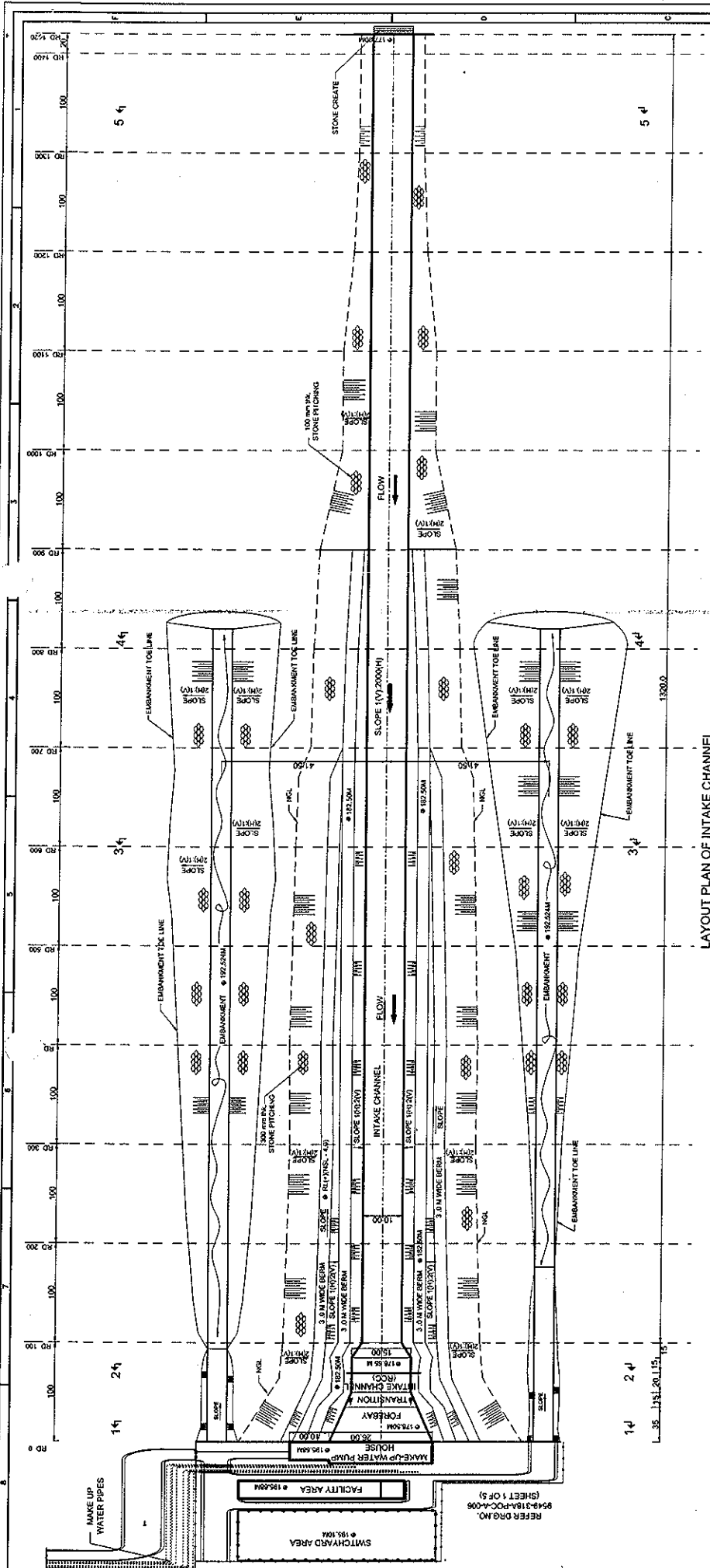
REVISED DESCRIPTION	DOWN	UP	CHD	M	E	C	DM	JACK	APPRO	DATE	SIZE	SCALE	ORIENT	REVISION	A	SHEET 1 OF 4	ANNEXURE - IV	PROJECT	DARPAI SUPER THERMAL POWER PROJECT (GUNTUR)	 ANDHRA PRADESH WATER DEVELOPMENT CORPORATION (A GOVT. ENTERPRISE OF ANDHRA PRADESH)
FOR TENDER PURPOSE ONLY																				
GW SYSTEM AND MAKE UP WATER SYSTEM CIVIL WORKS PACKAGE GENERAL REQUIREMENTS FOR MAKEUP WATER PUMP HOUSE & FACILITY AREA																				



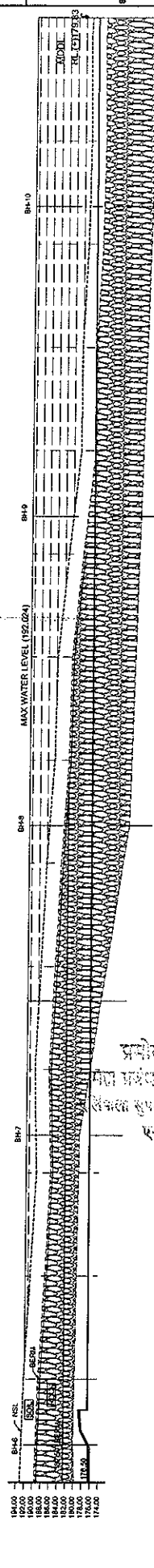


NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS, ARE IN METERS.

प्रमोद कुमार / Pramod Kumar  
महा प्रबंधक (ग्रामीण) / General Manager (IC)  
दरिपाली सुपर थर्मल पावर प्रोजेक्ट / Darlipali STPP  
एनटीपीसी लिमिटेड / NTPC LTD.  
सुंदरगढ़ / Sundargarh



LAYOUT PLAN OF INTAKE CHANNEL



L-SECTION

NOTES :

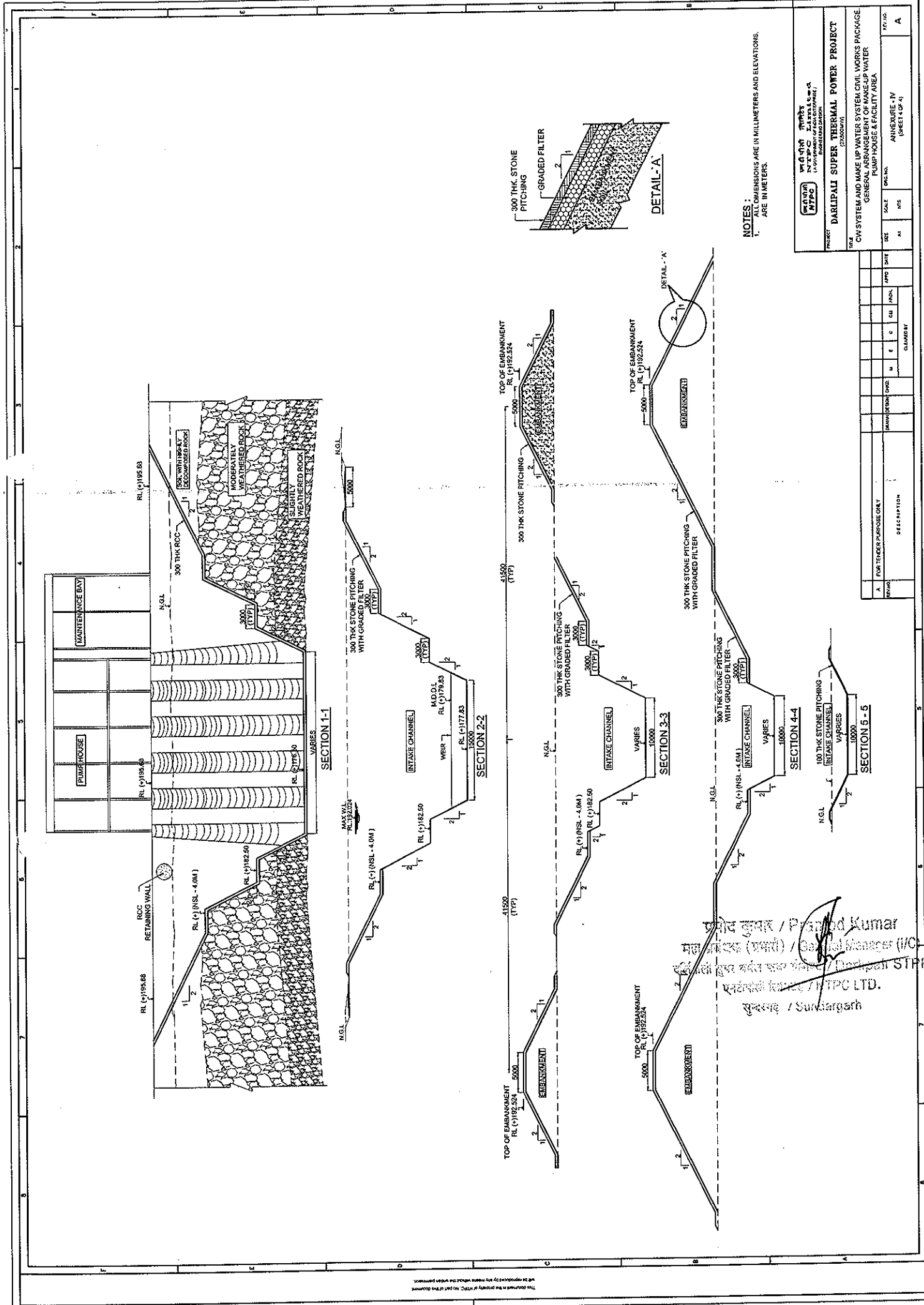
1. ALL DIMENSIONS AND ELEVATIONS ARE IN METERS.
2. THE LEVELS SHOWN INSIDE THE RESERVOIR ARE SPOT LEVEL.

		<b>PROJECT</b> DARLIPALI SUPER THERMAL POWER PROJECT (EXPANSION)	
<b>FILE</b> CW SYSTEM AND MAKE UP WATER SYSTEM CIVIL WORKS PACKAGE GENERAL LAYOUT AND ELEVATION OF MAKE-UP WATER PUMP HOUSE & FACILITY AREA		<b>SCALE</b> 1:1000	
DATE	17.05.2015	DATE	17.05.2015
BY	NTS	BY	NTS
CHECKED BY	NTS	CHECKED BY	NTS
APPROVED BY	NTS	APPROVED BY	NTS
SHEET NO. 1001 SHEET 2 OF 4		SHEET NO. 1002 SHEET 3 OF 4	

SCALE - 1:1000

NO.	DESCRIPTION	DATE	BY	CHECKED BY	APPROVED BY
1	FOR TENDER PURPOSE ONLY				

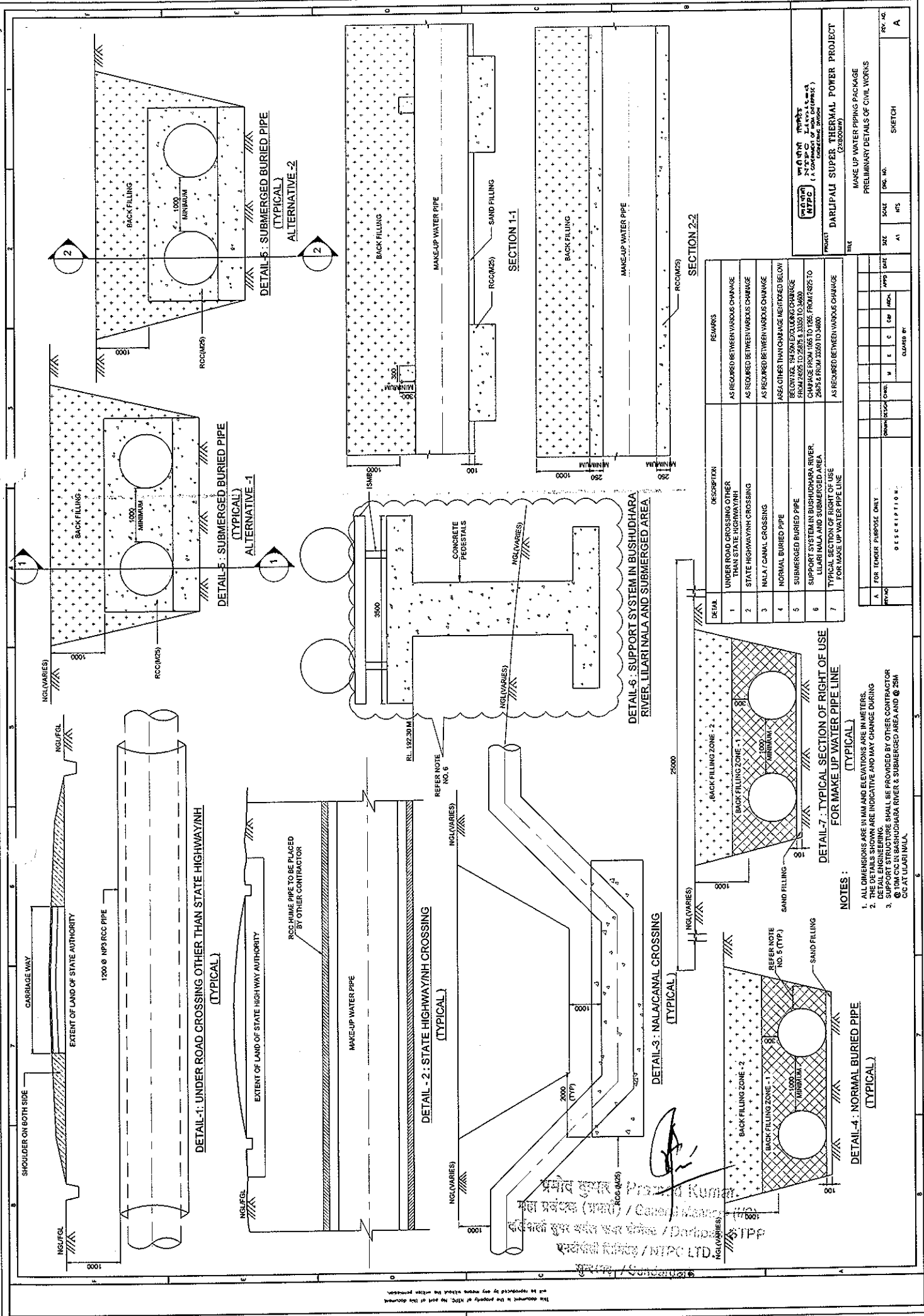
प्रो. / प्रमो. कुमार  
 प्रो. / प्रमो. कुमार / General Manager (WC)  
 प्रो. / प्रमो. कुमार / Darlipali STP  
 प्रो. / प्रमो. कुमार / NTPC LTD.  
 प्रो. / प्रमो. कुमार / Sundargarh



		<b>DARIPALI SUPER THERMAL POWER PROJECT</b> (25500 MW)	
PROJECT CIVIL SYSTEM AND MAKE UP WATER SYSTEM CIVIL WORKS PACKAGE GENERAL ARRANGEMENT OF MAKE UP WATER PUMP HOUSE & FACILITY AREA		SHEET NO. 4 OF 4	
SCALE	DATE	REV.	BY
1:1	10/10/2024	1	A
DRAWN BY SUDHAKAR / SUDHAKAR		CHECKED BY ANANDU / ANANDU	

NO.	REVISION	DATE	BY	CHKD.	APPD.	DESCRIPTION
1						

प्रमोद कुमार / Pramod Kumar  
 माल / माल (प्रमोद) / General Manager (I/C)  
 दारपाली सुपर थर्मल पावर प्रोजेक्ट / Daripali STPP  
 एन.टी.पी. लि. / NTPC LTD.  
 सुदुर्गा / Sudurgarh



प्रमोद कुमार / Pradeep Kumar  
 रमेश प्रबोदक (प्रवाह) / Ramesh Prabodak  
 दीर्घकालीन सुपर अर्थर फन चेतने / Dhirgkalin Supear Arthar Phan Chetane  
 एनपीसी लिमिटेड / NTPC LTD  
 गुरुग्राम / Gurugram

**PROJECT**  
 DARLIPALI SUPER THERMAL POWER PROJECT  
 (2380MW)

**FILE**  
 MAKE UP WATER PIPING PACKAGE  
 PRELIMINARY DETAILS OF CIVIL WORKS

**REV. NO.**  
 A

**SCALE**  
 A1

**DATE**  
 15/05/2014

**SKETCH**  
 A

No. 18040-R & REH.-1/2006-R.

GOVERNMENT OF ORISSA

REVENUE DEPARTMENT

RESOLUTION

The 14th May 2006

**ORISSA RESETTLEMENT AND REHABILITATION POLICY, 2006**

In order to ensure sustained development through a participatory and transparent process, Government have framed a comprehensive Resettlement and Rehabilitation Policy. Basic objectives of the policy are :-

1. to avoid displacement wherever possible and minimize it exercising available options otherwise;
2. to recognize voices of displaced communities emphasizing the needs of the indigenous communities and vulnerable sections;
3. to ensure environmental sustainability through participatory and transparent process; and
4. to help guiding the process of developing institutional mechanism for implementation, monitoring, conflict resolution and grievance redressal.

With the above objectives in view, Government has been pleased to lay down the following policy guidelines.

**Orissa Resettlement and Rehabilitation Policy, 2006**

**Preamble :**

Government of Orissa has been pursuing various development initiatives to improve the quality of lives. Ensuring social justice being one of the major cornerstones of development, the Government always proactively tries to make sure people's participation in development process. In spite of Government's intention to bring development to the people, development interventions do at times create undesirable consequences. Displacement due to large development projects is one such phenomenon. Government of Orissa has been responding to this problem through various projects specific Resettlement & Rehabilitation Policies and Plans. The current intervention of Policy formulation has actually taken note of the lessons learnt through these past policies, which essentially reflects Government's genuine spirit of learning and retrospection. The present Policy draws its strength from experiences from the implementation of past policies, best practices in other states and Orissa Government's Industrial Policy Resolution, 2001. Consultation with various direct and indirect stakeholders including civil society of the state has been conducted and the views of the academicians, and specialists in the field of resettlement and rehabilitation have been considered as a part of democratic response of the Government in Policy formulation. Limitations of the past policies have been acknowledged and analyzed and a flexible frame work has been attempted, which nonetheless demonstrates the dynamism of the Government. Unlike many other policies, there is a strong focus on the modalities of implementation of this Policy that makes it a vibrant instrument to promote sustainable development in the state.

- (e) "District Compensation Advisory Committee (D.C.A.C.)" means the Committee constituted by Government under relevant provisions of this Policy.
- (f) "Family" means the person and his or her spouse, minor sons, unmarried daughters, minor brothers or unmarried sisters, father, mother and other members residing with him or her and dependent on him or her for his / her livelihoods.

NOTE :-Each of the following categories will be treated as a separate family for the purpose of extending rehabilitation benefits under this Policy :

- (i) A major son irrespective of his marital status
- (ii) Unmarried daughter / sister more than 30 years of age
- (iii) Physically and mentally challenged person irrespective of age and sex; (duly certified by the authorized Medical Board). For this purpose, the blind/ the deaf/the orthopaedically handicapped/mentally challenged person suffering from more than 40 per cent permanent disability will only be considered as separate family.
- (iv) Minor orphan, who has lost both his/her parents
- (v) A widow or a woman divorcee.
- (g) "Government" means the Government of Orissa in Revenue Department
- (h) "Land Acquisition Officer (L.A.O.)" means an Officer appointed by the Government by an order to perform duties as such under Land Acquisition Act, 1894, for the project and shall include a Special Land Acquisition Officer.
- (i) "Non-Government Organization (N.G.O.)" means any organization duly registered under the Society Registration Act, 1860 and functioning for public cause outside the Government.
- (j) "Original Family" means the family, which at the time of Notification under provisions of relevant Act(s) is living together in a single household with a common kitchen.
- (k) "Periphery" means the district(s) in which the project is geographically situated
- (l) "Project" means the construction, extension or improvement of any work such as Reservoir, Dam, Canal, Highway, Industrial Plant, Factory, Mining, National Park, Sanctuary, etc. as notified by the Government from time to time and includes its offices and establishment within the State.
- (m) "Project area" for the purpose of extending R. & R. benefits means the land, which is acquired / alienated / purchased for establishment of any project.
- (n) "Project Director, Resettlement & Rehabilitation (P.D., R.R.)" means an Officer appointed by the Government by an order to perform such duties under R. & R. Policy of the State, for the project.
- (o) "Rehabilitation & Periphery Development Advisory Committee (R.P.D.A.C.)" means the Committee constituted by the Government under relevant provisions of this Policy by Government to look after rehabilitation and periphery development matters.
- (p) "State Level Compensation Advisory Committee" means a Committee constituted by Government under the relevant provisions of this Policy.

## 5. Project Types

For the purpose of R. & R. benefits under this Policy, Development Projects are classified into the following types:

- A. Industrial Projects,
- B. Mining Projects,
- C. Irrigation Projects, National Parks and Sanctuaries;
- D. Urban Projects and Linear Projects like roads and railways, power lines; and
- E. Any other Projects

## 6. Land Acquisition and Payment of Compensation/Award

Procedure prescribed by Government shall be followed in acquiring land and other property and for payment of compensation / award. All compensation money due to the "displaced families" shall be paid through account payee cheques.

As regards "public property" like School Building, Club House, Hospital, Panchayat Ghar, electrical installation, place(s) of worship, value of such property affected shall be deposited with the concerned District Collector. Either Project or District Administration shall take up construction at the place as would be determined in consultation with representatives of displaced persons.

The Project proponent may opt for direct purchase of land on the basis of negotiated price after issue of notification requiring acquisition of land under relevant Act (s). If acquisition of land through direct purchase fails, other provisions of the relevant Act may be invoked.

Land not utilized by the Project within the prescribed time limit and for the required purposes shall be resumed.

## 7. Resettlement and Rehabilitation Plan

Based on the list approved by Government and option of displaced families, Resettlement and Rehabilitation Plan shall be prepared by the Collector for resettlement and rehabilitation after due consultation with displaced communities in the manner determined by the Government. Such plan should address the specific needs of the women, vulnerable groups and indigenous communities. The same will be placed before the R.P.D.A.C. for approval.

While preparing the plan, the following aspects should be taken into consideration :

- (i) Site for the resettlement habitat shall be selected by the R.P.D.A.C. in consultation with the displaced families.
- (ii) No physical displacement shall be made before the completion of resettlement work as approved by the R.P.D.A.C. The certificate of completion of resettlement work will be issued by the Collector.
- (iii) Gram Sabha shall be consulted
- (iv) Where there is multiple displacement additional compensation amounting to 50 per cent of the normal compensation payable, shall be paid to each displaced family over and above the normal compensation in form of *ex gratia*.

- (v) Families losing all agricultural land but not homestead land.

The Project Authority will make special efforts to facilitate skill upgradation of the nominated member of each displaced/other family to make him/her 'employable' in their project.

1. In case of nominees of displaced/other families eligible for employment otherwise, the upper age limit shall be relaxed by five years.
2. Project Authorities should notify their employment capacity sufficiently in advance.
3. As far as practicable, the objective shall be to provide one member from each displaced/other family as mentioned above with employment in the project. However, where the same cannot be provided because of reason to be explained in writing, cash compensation as mentioned below shall be provided to the displaced/other families. Displaced/other families, who do not opt for employment/self-employment as mentioned in sub-para. (a) and (b), shall be provided by the Project Authority with one time cash assistance in lieu of employment at the scale indicated below :

Categories of families referred to in clauses (i) to (v) of Para. 2 (f) shall not be considered separately for employment in the project. However, they will be paid one time cash compensation in lieu of employment :

Provided that if any industry is willing to offer employment to more than one member of a family, it may do so in lieu of one time cash assistance.

Displaced/other families who are eligible to be considered for employment and families defined under clauses (i) to (v) shall be provided with one time cash assistance in lieu of employment/self-employment in the scale indicated below :

Sl. No.	Families under category as per sub-para. (a) above	Amount of one time cash assistance (Rs. in lakhs)
(i)	Displaced Families coming under category (i)	5.00
(ii)	Displaced Families coming under category (ii)	3.00
(iii)	Displaced Families coming under category (iii)	2.00
(iv)	Families coming under categories (iv) and (v)	1.00

- (b) Training for Self-employment :—Project Authority under the guidance of the Collector concerned will make adequate arrangement to provide vocational training to at least one member of each displaced/other family so as to equip him/her to start his/her own small enterprise and refine his/her skills to take advantage of new job opportunities. For those engaged in traditional occupations/ handicrafts/ handlooms, suitable training shall be organized at the cost of Project Authority to upgrade their existing skills.
- (c) Convertible Preference Share :—At the option of the displaced family and, subject to the provisions of relevant law(s) in force for the time being, the Project Authority may issue Convertible Preference Share(s) or Secured Bond (s) up to a maximum of 50% out of one time cash assistance as mentioned in sub-para. (a) above.



and (b) below, shall be provided by the Project authority with one time cash assistance in lieu of employment at the scale indicated below :

Sl. No.	Families under category as per sub-para. (a) above	Amount of one time cash assistance (Rs. in lakhs)
(i)	Displaced Families coming under category (i)	5.00
(ii)	Displaced Families coming under category (ii)	3.00
(iii)	Families coming under category (iii)	2.00
(iv)	Families coming under categories (iv) (v) and (vi)	1.00

- (b) Training for Self-employment :—Project authority under the guidance of the Collector concerned will make adequate arrangement to provide vocational training to at least one member of each displaced/other family so as to equip him/her to start his/her own small enterprise and refine his/her skills to take advantage of new job opportunities. For those engaged in traditional occupations/ handicrafts/ handlooms, suitable training shall be organized at the cost of Project authority to upgrade their existing skills.
- (c) Convertible Preference Share :—At the option of the displaced family, the Project Authority may issue convertible preference share up to a maximum of 50% out of the one time cash assistance as mentioned in sub para (a) above.
- (d) Provision for Homestead Land :—Subject to availability, each displaced family will be given at least 1/10th of an acre of land free of cost in a resettlement habitat for homestead purpose.
- (e) Assistance for Self-relocation :—Each of the displaced family who opts for self-relocation elsewhere other than the resettlement habitat shall be given a one time cash grant of Rs. 50,000 in lieu of homestead land.
- (f) House Building Assistance :—Besides, Project authority shall construct house for each displaced families in the resettlement habitat or provide house building assistance of Rs. 1,50,000 to each of the displaced family settling in the resettlement habitat or opting for self-relocation elsewhere.
- (g) Shops and Service Units :—Project authorities will also construct shops and service units at feasible locations at their own cost which will be allotted in consultation with Collector to project displaced families opting for self-employment. While allotting such units, preference will be given to physically challenged persons and members of displaced S.C. & S.T. families.

### III. Type C : \*1[Irrigation Projects] / National Parks and Sanctuary

Rehabilitation Package for Displaced Family (DF) \*2[and Affected Family]

- (a) Homestead Land :—@ 0.10 acre in rehabilitation habitat or cash equivalent @ Rs. 50,000 to each displaced family opting for self-relocation elsewhere.
- (b) House Building Assistance :—Rs. 1,50,000 to each displaced family which includes cattle shed. This will be admissible to all displaced families whether settling in a resettlement habitat or elsewhere.

\*1 Substituted, replacing the words "Water Resources" vide Rev. & D.M. Department Resolution No. 21392/R. & D.M., dated 4-6-2007 & E.O.G. No. 990, dated 6-6-2007.

\*2 Inserted *Ibid*

R.P.D.A.C. decides that provision of such employment is not possible, one-time cash assistance as decided by the Government will be paid by the Project Authority.

#### **V. Type E : Any other Projects**

Government may issue separate Policy guidelines for any other projects not covered above specifying R. & R. packages to be extended to displaced families.

#### **9. Benefit to Landless & Homesteadless encroachers common to all categories**

- (a) An encroacher family, who is landless as defined in the Orissa Prevention of Land Encroachment Act, 1972, and is in possession of the encroached land at least for a period of ten years continuously prior to the date of notification under relevant law(s) declaring intention of land acquisition, will get *ex gratia* equal to compensation admissible under the Land Acquisition Act, 1894 for a similar category of land to the extent of land under his/her physical possession up to a maximum of one standard acre, if the encroachment is unobjectionable. While determining the extent of land for such compensation, the rayati land held by him/her is to be taken into account.
- (b) An encroacher family, who is homesteadless as defined in the Orissa Prevention of Land Encroachment Act, 1972, and is in possession of the encroached land at least for a period of ten years continuously prior to the date of notification under relevant law(s) declaring intention of land acquisition, will get *ex gratia*, equal to compensation for the similar category of homestead land against the encroached homestead land up to a maximum of 1 /10th of an acre in rural areas or 1 /25th of an acre in urban areas, if the encroachment is unobjectionable. While determining the extent of land for such compensation, the homestead land held by him/her is to be taken into account. The *ex gratia* will be in addition to the actual cost of structures thereon. If the encroachment is found to be objectionable(s), he will be entitled to the cost of structure only.

#### **10. Other Assistance common to all categories of Projects**

- (a) Maintenance Allowance :-In order to ensure timely vacation, an allowance of Rs. 2,000 per month per displaced family shall be provided on vacation of land/house for a period of one year from the date of vacation as determined by the Collector concerned.
- (b) Assistance for Temporary Shed :-An assistance of Rs.10,000 shall be provided to each displaced family.
- (c) Transportation Allowance :-Transportation allowance of Rs. 2,000 or free transportation to the resettlement habitat or their new place of inhabitation shall be provided to each displaced family by the Project Authority :

Provided that State Government in Revenue Department shall review and may revise the rate, if necessary, once every two years basing on the index point.

#### **11. Additional provisions for Assistance**

Notwithstanding anything contained elsewhere in the Policy, the Government or the Project Authority may extend any additional benefits and provisions to the displaced families keeping in view the specific nature of displacement \*[and to the affected families in irrigation project area keeping in view the gravity of damage.]

### **17. State Level Council on Resettlement and Rehabilitation (S.L.C.R.R.)**

At the State level, there will be a Council headed by the Chief Minister to advise, review and monitor implementation of Resettlement and Rehabilitation Policy. The Council may comprise of Ministers, select representatives of the people, leading social activists, academicians and experts of national and international repute and senior officials of the Government.

### **18. L.A. and R. & R. Structure**

#### **(a) State Level**

A Directorate of R. & R. will be constituted to discharge and oversee the implementation of the R. & R. Policy. Detailed structure and functions of this Directorate will be notified by the Government.

#### **(b) District/Project Level**

- (i) Depending on magnitude of the R. & R. works at the project level, there may be a Project Director, Resettlement and Rehabilitation (P.D., R.R.), who shall be assisted by such other officers as Government may decide. The P.D., R.R. shall be the Chief Co-ordinating Officer between all the line departments in the matter of resettlement and rehabilitation. He will be responsible for implementation of the Policy and timely execution of R. & R. works under the overall supervision and guidance of the Collector and the Directorate of R. & R.
- (ii) Where R. & R. work is of lesser magnitude, the same can be undertaken by the L.A.O. of the Collectorate.

### **19. Budgetary Provision and Allotment**

Wherever required, adequate budget provision will be kept towards land acquisition and R. & R. establishments to ensure effective implementation of R. & R. Policy. The Directorate of R. & R. should submit such budgetary estimate/ works by 1st January of every year. Government will ensure timely release of allotment to the concerned authorities.

### **20. Grievance Redressal Mechanism**

An effective Grievance Redressal Mechanism will be set up at District and Directorate level to deal with grievance of the project displaced people relating to land acquisition, resettlement and rehabilitation. Besides, all the project authorities shall be asked to set up an effective Grievance Redressal Mechanism relating to their project.

Effective participation of the displaced communities will be ensured in the process.

### **21. Assessment of Policy Implementation**

Government may from time to time undertake assessment of the implementation of this Policy through appropriate agencies.