

Form – 'A'

Form for seeking prior approval under section 2 of the proposal by the
State Government and other authorities

PART-I

1. Project Details

(i)	Short narrative of the proposal and project /scheme for which the forest land is required	<p><u>Introduction :</u></p> <p>NTPC Limited, the largest power company in India, was set up in 1975 to augment power requirement in the country. It is among the world's largest and most efficient power generation companies. Present installed capacity of NTPC is 43,019 MW (including 5,974 MW through JVs) comprising of 38 NTPC Stations (17 Coal based stations, 7 combined cycle gas/liquid fuel based stations), 7 Joint Venture stations (6 coal based and one gas based) and 7 renewable energy projects. At present with about 18% of the installed capacity in the country, Group-NTPC generated about 27% of the total power generated in the country FY13. It plans to become a 128,000 MW generating company by 2032. NTPC has gone beyond the thermal power generation and has diversified into hydro power, coal mining, power equipment manufacturing, oil & gas exploration, power trading & distribution. NTPC is now in the entire power value chain and is poised to become an Integrated Power Major. NTPC has added 2490 MW in FY 10-11 ,2820 MW in FY 11-12 and 4170 MW in FY 12-13 and 1780 MW in FY 13-14 and has targeted to add 14058MW during the 12th plan. NTPC has set new benchmarks for the power industry both in the area of power plant construction and operation.</p> <p>Recognizing its excellent performance and vast potential, Government of India has identified NTPC as one of the jewels of Public Sector 'Maharatna'- a potential global giant. Inspired by its glorious past and vibrant present, NTPC is well on its way to realize its vision of being "A world class integrated power major, powering India's growth, with increasing global presence". Going forward, in its target to remain the largest generating utility of India, NTPC is in its constant endeavour to maintain and improve its share of India's generating capacity.</p> <p><u>PROPOSAL</u></p> <p>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 (2x 800 MW)</p>
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सुन्दरगढ़ / Sundergarh

and Stage-II (2x800 MW). The plant site is about 330 km from Bhubaneshwar Airport in Odisha and about 300 kms from Raipur Airport in Chhattisgarh. The ministry of power (MOP) has accorded Mega power Project status for the same vide its letter dt. 25th June 2010. (**Encl: Annexure I**).


PART A: 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/25/49 dtd.14.02.14 has recommended for allocation of 95 cusecs of water for the project. Water Resource Department, Govt. of Odisha has accorded permission for in-principal allocation of 95 cusecs of water in favour of M/s NTPC Limited vide letter No.13280/WR dtd 31.05.2014(**Encl: Annexure VI**). 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 approx. length of the MUW Pipeline corridor from from Darlipali STPP, Darlipali to intake location at Chharharama is 40 km. This corridor passes through

- i) 02 revenue villages (Darlipali & Kanaktura) of Sundargarh district
- ii) 18 revenue villages (Chichinda, Kechhobahal, Chandlimal, Rajpur, Goudmal, Katapali, Degaon, Brajarajnagar Unit-2, Brajarajnagar Unit-1, Bundia, Ailapali, Balput, Kirarama, Sarandamal, Dalagaon, Negipali, Telenpali, Banharpali) of Jharsuguda district

The make-up water pump house, 132 KV Switchyard and its facility area are proposed to be constructed at the bank of the Hirakud reservoir, which is about 40 km from main plant site. The proposed pump house on the bank shall be connected with the Hirakud reservoir through an Intake Channel. In order to devise the uninterrupted and sustainable 'Scheme for Drawal of Make-up Water from Hirakud Reservoir'(**Encl: Annexure X**), detailed study has been carried out for location and type of intake based on hydrographic survey carried out in river Mahanadi near Chhadrama village, adjacent to the intake channel of IB Thermal Power Project of Odisha Power Generation Company (OPGC) Ltd.

PART B : 2 nos. dedicated 132 KV transmission lines has been envisaged from Darlipali plant site to Make up water pump house along the pipe line for which necessary approval from Ministry of power, Govt. of India has already been obtained. The transmission lines are proposed along the said pipeline corridor.



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Abstract of Land Schedule


The MUW Pipeline Corridor of Darlipali STPP comes under twenty revenue villages: one coming under Lephripara tahasil of Sundargarh District, one coming under Hemgiri tahasil of Sundargarh District, twelve coming under Jharsuguda tahasil of Jharsuguda District and six coming under Lakhanpur tahasil of Jharsuguda District. The village wise land distribution with the breakup of Forest, Govt and Private land is shown below.

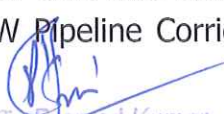
MUW PIPELINE CORRIDOR LAND DISTRIBUTION


District	Tahasil	VILLAGE	PRIVATE	GOVT	FOREST	TOTAL
Sundargarh	Lephripara	Darlipali	7.559	3.373	0.370	11.302
	Hemgiri	Kanaktora	19.691	3.295	4.070	27.056
Jharsuguda	Jharsuguda	Chichinda	4.172	8.062	0.000	12.234
		Kechhobahal	13.904	6.920	3.903	24.727
		Chandlimal	18.121	1.511	7.020	26.652
		Rajpur	20.127	2.141	1.869	24.137
		Goudmal	6.287	0.421	1.189	7.897
		Katapali	11.583	0.122	0.000	11.705
		Degaon	3.720	0.000	0.000	3.720
		Brajarajnagar Unit-2	45.638	14.450	0.000	60.088
		Brajarajnagar Unit-1	6.687	7.498	16.487	30.672
		Bundia	2.147	10.018	16.368	28.533
		Ailapali	2.047	1.360	0.000	3.407
		Balput	0.710	15.269	1.591	17.570
	Lakhanpur	Kirarama	9.837	1.155	4.709	15.701
		Sarandamal	23.419	4.663	0.000	28.082


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				Dalagaon	6.168	2.491	0.000	8.659	
				Negipali	13.600	0.806	0.000	14.406	
				Telenpali	5.960	17.773	0.000	23.733	
				Banharpali	14.665	2.728	3.108	20.501	
				Hirakud Reservoir		80.014			
					236.042	183.62	60.684	480.355	
		2.498 acres of sabik jungle is in village Kanaktura and 0.490 acres of sabik jungle is in village Kirarama. Total forest land to be diverted is (60.684+2.498+0.490) 63.672 acres i.e 25.76 Ha . The Land Schedule of the proposed MUW Pipeline/ 132 kV transmission line is enclosed in Annexure VIII .							
(ii)	Map showing the required forest land, boundary of adjoining forest on a 1:50,000 Scale Map	<p>1. Map showing location of MUW Pipeline Corridor of Darlipali STPP on 1:50000 topo sheet.</p> <p>2. Revenue Maps of project area (Scale 16"=1 mile & 32"=1 mile) enclosed showing project area boundary and forest land to be acquired.</p> <p>i. Revenue map (38 sheets)</p>							
(iii)	Cost of Project	Rs.140 Crores.							
(iv)	Justification for locating the project in forest area	<p>Water Resource Department, Govt. of Odisha has accorded permission for in-principal allocation of 95 cusecs of water in favour of M/s NTPC Limited vide letter No.13280/WR dtd 31.05.2014 from Hirakud Reservoir. The approx. length of the MUW Pipeline corridor from Darlipali STPP, Darlipali, Sundargarh district to intake location at Chharharama, Lakhanpur Tehsil, Jharsuguda district is 40 km.</p> <p>This corridor passes through</p> <p>iii) 02 revenue villages (Darlipali & Kanaktura) of Sundargarh district</p> <p>iv) 18 revenue villages (Chichinda, Kechhobahal, Chandlimal, Rajpur, Goudmal, Katapali, Degaon, Brajarajnagar Unit-2, Brajarajnagar Unit-1, Bundia, Ailapali, Balput, Kirarama, Sarandamal, Dalagaon, Negipali, Telenpali, Banharpali) of</p>							


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		<p>Jharsuguda district which involves Private land, Non Forest Govt. land and Revenue forest land.</p> <p>While deciding the route of the pipeline corridor, utmost care has been taken</p> <ol style="list-style-type: none"> I. To avoid forest land as far as possible. II. To avoid coal bearing areas. III. To avoid Non-Forest land having forest growth or higher vegetative density. IV. To avoid displacement of population <p>But in order to maintain the continuity of the pipeline corridor it is necessary to divert certain forest land which comes in the path. Out of the total land requirement of the project of 194.19 Ha, only 24.88 Ha of Forest land is proposed for diversion purpose which is the barest minimum requirement.</p> <p>The MUW Pipeline Corridor and its surroundings do not form a part of National sanctuary, Wildlife Sanctuary, Biosphere reserve, tiger reserve, elephant corridor etc.no rare or endangered species of flora and fauna are found in and around the Pipeline Corridor.</p> <p>In view of the above it is pertinent to mention that the route finalised after thorough survey is the best possible route and it involves the minimum forest land.</p>
(v)	Cost Benefit Analysis	Cost benefit analysis report attached.
(vi)	Employment likely to be generated	During construction of corridor contract employees from village Darlipali, Kanaktura, Chichinda, Kechhobahal, Chandlimal, Rajpur, Goudmal, Katapali, Degaon, Brajarajnagar Unit-2, Brajarajnagar Unit-1, Bundia, Ailapali, Balput, Kirarama, Sarandamal, Dalagaon, Negipali, Telenpali & Banharpali will be benefitted.
2	Purpose wise break up of land required:	<p>The total land requirement for the project is 194.39 Ha, out of which 169.83 Ha is non-forest land and 25.67Ha is of forest land.The total land is utilized for MUW Pipeline Corridor & 132 KV Transmission Line Corridor.</p> <p style="text-align: center;">  अनंद कुमार / Anand Kumar महानिर्देशक (प्रबंधन) / General Manager (I/C) दरलिपाली सुपर थर्मल पावर प्रोजेक्ट / Darlipali STPP एनटीपीसी लिमिटेड / NTPC LTD. सुंदरगढ़ / Sundargarh </p>

SI No	Description	Forest Land (Ha)				Non Forest Land(Ha)			G. Total Ha)
		RF (Ha)	Rev Forest (Ha)	DLC Forest (Ha)	Total (Ha)	Govt Land (Ha)	Pvt Land (Ha)	Total (Ha)	
1	Pipeline Corridor	0	25.67	0	25.67	74.31	95.52	169.83	194.39
	Total(in Ha)	0	25.67	0	25.67	74.31	95.52	169.83	194.39
	Total (in Acre)	0	63.672	0	63.672	183.628	236.042	419.67	480.355
3.	Details of displacement of people due to the project if any:	No Displacement of people.							
	Rehabilitation plan.	A copy of Odisha R&R policy 2006 is enclosed in Annexure: XI . However applicable R&R scheme as per new LA Act will be implemented.							
4.	Whether clearance under Environment (Protection) Act, 1986 Required (Yes/No)	The clearance under Environment (Protection) Act, 1986 is not required for linear projects. However the Environmental Clearance of the main plant is enclosed in Annexure-IV .							
5.	Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/ or penal compensatory afforestation as well as cost for protection and	<p style="text-align: center;">Required Undertaking is enclosed.</p> <div style="text-align: right;">  प्रमोद कुमार / Pramod Kumar महानिदेशक (प्रशासकीय) / General Manager (I/C) दरिपल्ली सुपर फासिल इन्फ्रास्ट्रक्चर प्रोजेक्ट / Darlipali STPP एनटीपीसी लिमिटेड / NTPC LTD. सुन्दरगढ़ / Sundargarh </div>							

protection and regeneration of safety zone, etc as per the scheme prepared by the State Government (undertaking to be enclosed)	
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6.	Details of Certificate Documents enclosed.	Letter from MoP, GoI, New Delhi granting Mega status:	Annexure I
		Admin. approval of Darlipali STPP :	Annexure II
		Stage-I forest clearance of Darlipali STPP:	Annexure III
		Environmental Clearance of Darlipali STPP:	Annexure IV
		Memorandum of association and article of association:	Annexure V
		Allocation of 95 cusecs water by WRD, GoO :	Annexure VI
		Approval of water drawal scheme for 95 cusecs of water :	Annexure VII
		Land Schedule of the proposed MUW Pipeline/ 132 kV transmission line:	Annexure VIII
		MoP, GoI approval for construction 132 kV line:	Annexure IX
		Scheme for Drawal of Make-up Water from HirakudReservoir:	Annexure X
		Odisha R & R Policy 2006:	Annexure XI

Date:-

Place:-

Signature 
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