

**IN THE HON'BLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI**

LA NO. 110 OF 2025

IN

EXECUTION APPLICATION NO. 29 OF 2024

IN

APPEAL NO. 79 OF 2014

IN THE MATTER OF:

Debadityo Sinha & Ors

Appellants

Vs

Union of India & Ors.

Respondents

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Dated:

Filed by:

Place:

Ravinder Gupta
Counsel for Ministry of MoEF & CC
(Respondent No. 3)
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IN THE HON'BLE NATIONAL GREEN TRIBUNAL,
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I.A NO. 110 OF 2025

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IN THE MATTER OF:

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REPLY AFFIDAVIT ON BEHALF OF RESPONDENT NO. 3, UNION OF INDIA MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE]

I, Dr. Preeti Tripathi, aged about 39 years, W/o Punkaj K. Pandey currently working as Scientist-'D' in the Ministry of Environment, Forest & Climate



[Handwritten signature]

Change, Regional Office, Lucknow do hereby solemnly affirm and state on oath as follows:

MOST RESPECTFULLY SHOWETH:

1. That, I am working as Scientist-'D' in the Ministry of Environment, Forest & Climate Change, Government of India and as such I am well conversant with the facts and circumstances of the case and I have been authorized to file the affidavit on behalf of Respondent No. 3 herein i.e. Ministry of Environment, Forest & Climate Change (hereinafter referred to as 'MoEF&CC').
2. That I have read and understood the content of the instant matter under reply and I deny each and every averment made therein except those which are admitted expressly by the deponent. The averments which are not denied may be deemed to have been denied by the deponent.
3. It is submitted that the instant Execution Application No. 29 of 2024 has been filed alleging non-compliance of final order dated 21.12.2016 passed by the Hon'ble Tribunal in Appeal No 79 of 2014 and has contended that



the project proponent is undertaken illegal construction activities at the site by clearing the vegetation and forest using massive earthwork and levelling the land.

Thereafter, an IA No 110 of 2025 was filed in the aforesaid Execution Application seeking an immediate stay of the alleged construction activities (which includes illegal construction of 10 ft. boundary wall along the project boundaries (approx. 1200 acres) and a large gate, construction of labour camps, blasting operations for hill cutting for levelling the land, tree felling and clearing of vegetation and forest in and around the project area using massive earth work and construction of more than 2 kms of approach road for transporting vehicles, heavy machinery and equipments) by Mirzapur Energy (U.P.) Pvt. Ltd for setting up a Super Critical Coal based Thermal Power Plant at Village Dadri Khurd, Tehsil Mirzapur, Uttar Pradesh. It has been prayed to stay the construction activities and direct demolition of structures constructed at the project site and restoration of the area to its original form.



4. That the Ministry had earlier issued an Environment Clearance (hereinafter referred to as 'EC') vide letter no. J-13012/12/2011-IA. II (T) dated 21.08.2014 to the project in question. However, this Hon'ble Tribunal vide judgement dated 21.12.2016 in the matter Appeal No 79 of 2014 titled as Debadityo Sinha vs. Mirzapur Energy (UP) Pvt. Ltd. & Others quashed the EC dated 21.08.2014 and the project could not be implemented further with construction activity.

CURRENT STATUS OF THE PROJECT

5. That the Project proponent applied afresh for the project in question located at the same project site, vide proposal number IA/UP/THE/467671/2024, on 08.05.2024 to the MoEF&CC for undertaking a detailed EIA study as per the EIA Notification, 2006 for grant of Terms of Reference (hereinafter referred to as 'ToR') to 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by M/s Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL).



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6. That the project/activity is covered under category A of item 1(d) 'Thermal Power Plants' of the Schedule to the Environmental Impact Assessment (EIA) Notification, 2006, as amended as the power generation capacity of proposed expansion is beyond threshold capacity of 500MW i.e. 2×800 MW (1600 MW) and requires appraisal at Central level.
7. That the instant proposal was considered in the 10th EAC (Thermal) meeting held on 10.06.2024. In this regard, it is worthwhile to mention that as per the salient features of the project presented by Project proponent, there are no national parks, wildlife sanctuaries, biosphere reserves, Tiger/Elephant Reserves, wildlife corridors etc. within 10 km distance from the project site except reserved forests, temples and BHU (South Campus) exist within the study area from the project site. The EAC during deliberations noted the following:
- i. It was observed that, as per the KML file, construction work has not been started yet.



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- ii. The Committee also deliberated on the land use and observed that previous EC was granted over an area of 354.1 Ha (875 acres as per EC dated 21.08.2014) but now the proposal is for 365.19 Ha.
- iii. The Project proponent reported an area of 0.62 Ha (forest land) inside the plant boundary but at the same time applied for Forest Clearance over an area of 4.0123 Ha vide proposal No FP/UP/OTHERS/470227/2024 dated 22.04.2024. Further, it was submitted by the Project proponent that application was submitted for the same area (0.62 Ha) but after joint inspection of DFO (Forest Office) & SDM (Revenue) was held on 03.04.2024 confirming that the above area is a non-forest land. In addition to this, it was also informed by the Project proponent that there is a forest involvement in water pipeline (5.8162 ha) and approach road (2.5419ha). In this regard, vide Proposal no. FP/UP/THE/14236/2015, Stage I Forest Clearance has already been applied and the same is under due consideration with

MoEF&CC.



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- iv. Further, the Project Proponent was suggested by the EAC to obtain a letter from concerned forest department clearly mentioning the extent of forest land involved within and outside (other activities related to plant) plant area. The EAC also suggested that while preparing the EIA/EMP report, Project Proponent shall explore the possibility of optimizing forest land requirement to the extent possible and submit a detailed note on the same at the time of EC presentation. In case of any increase in forest land PP shall obtain the amendment in ToR.
- v. The EAC was also of the view that the vide order dated Project Proponent, while preparing the EIA/EMP Report and conducting Public consultation, shall take into account the deficiency pointed out by the Hon'ble NGT vide judgment dated 21.12.2016 in Appeal No. 79 of 2014.

Copy of Minutes of meeting dated 10.06.2024 is annexed as **Annexure-1**.



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8. That based on the information submitted and as presented during the meeting, the EAC recommended the proposal for grant of Specific & Standard ToR for preparation of EIA/EMP report with Public Consultation (Public Hearing and Written submission) to the project in question. In accordance with the provisions contained in the EIA Notification, 2006 and based on the recommendation by the EAC (Thermal Power) in its 10th minutes of meeting held on 10.06.2024, the Ministry granted ToR to the Project proponent for the project in question on 29.07.2024. It is pertinent to mention here that in the ToR accorded on 29.07.2024, following specific ToRs have been prescribed with respect to the Forest land:

"...1.19 PP shall obtain a letter from concerned forest department clearly mentioning the extent of forestland involved within and outside (other activities related to plant) plant area.

1.20 While preparing the EIA/EMP report, PP shall explore the possibility of optimizing forestland requirement to the extent possible and submit a



detailed note on the same at the time of EC presentation. In case of any increase in forestland, PP shall obtain the amendment in ToR.

3.10 PP while preparing the EIA/EMP Report and conducting Public consultation shall take into account, the deficiency pointed out by the Hon'ble NGT Judgment 21.12.2016..."

Copy of the ToR dated 29.07.2024 is annexed as **Anneuxre-2**.

9. It is further submitted that since the subject matter of land falls exclusively within the legislative and administrative jurisdiction of the Government of Uttar Pradesh, therefore, any decisions, actions, or regulatory measures concerning the land in question are to be undertaken by the State Government. The Ministry has no role in matters pertaining to land ownership, allotment, or management, and any grievances or legal issues regarding the same must be addressed by the competent State authorities.

10. Further, in this regard, it is pertinent to mention the Office Memorandum dated 29.03.2022 issued by the MoEF&CC which explicitly clarifies that



the following activities can be undertaken for securing the land prior to grant of Environmental Clearance:

- "i. Fencing of the project site by boundary wall using civil construction, barbed wire or precast/prefabricated components.*
- ii. Construction of temporary sheds using pre-fabricated / modular structure, for site office/guards and storing material and machinery.*
- iii. Provision of temporary electricity and water supply for site office/guards only".*

Copy of the OM dated 29.03.2022 is annexed as **Annexure-3**.

CURRENT CONSTRUCTION STATUS REPORT OF THE PROJECT

11. It is submitted that in order to ascertain the factual position at the project site, the Ministry vide letter dated 21.02.2025, requested its Regional office at Lucknow (hereinafter referred to as 'RO Lucknow') to conduct a project site inspection and provide current construction status report of the project.



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The RO Lucknow inspected the project site on 25.02.2025 and the following was observed:

“

- *During the inspection, it has been found that the majority of project land is barren & undulated in nature. A very limited number of trees/shrubs etc. has been found on site.*
- *During the inspection of the project, it has been found that the PP had already constructed the boundary wall all around the project by using ready-made (precast boundary pillars/wall) and by using MS profile sheet (in some undulated patches) up to 7 to 10 feet height with main gate (by using MS pipe/rods etc) and one security room very close to main gate. One abundant well has also been found during the site inspection. PP has also been constructed with one rainwater storage pond with a 30,000 m³ capacity for the collection of rainwater in the*

south-southwest direction of the site. In addition to the above, PP has



placed several rectangular MS portable site cabins fitted with Split Air conditioners etc. One MS portable toilet has also been made available on-site. Several fresh industrial cables with wooden/plastic drums and other related materials etc have also been available on site. The digging work of cabling laying in some patches has also been seen. Besides, ready-made electricity poles with wires in working condition have also been seen going to near village through project land. High tension wires have also been passed through project land.

- It has also been found that the project land is not connected with the main road; only one connectivity has been found through forest land (around 1.5 to 2 km), which has been used by PP by paying fee as forest accessed to the local forest department (Madhihan Range) of Rs 5000/= on 16.08.2024 and Rs 11650/= on 30.12.2024. (A copy of the bill is attached in Annexure II)
- Status of the forest diversion proposal for 8.3581 ha is pending with this Regional Office; chronological status is attached as Annexure I."



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The copy of the letter to RO Lucknow dated 21.02.2025 and Site inspection report dated 28.02.2025 is annexed as **Annexure-4** and **Annexure-5**.

12.It is submitted that the present reply affidavit may kindly be taken on record and the Hon'ble Tribunal may pass appropriate Order(s), direction(s) as deemed fit and proper under the facts and circumstances of the present case. It is further submitted that this answering Respondent shall abide with any directions passed by this Hon'ble Tribunal.

13.It is also significant to mention that the submissions made, vide affidavit dated 21.10.2024, in the suo-moto matter OA No 883 of 2024 titled as 'News Item titled "Experts flag large-scale clearing of vegetation in Mirzapur forest" appearing in The Hindustan Times dated 03.07.2024', pending before this Hon'ble Tribunal are also adopted for the tagged matter bearing EA No 29 of 2024 in Appeal No 79 of 2014 connected with the present application.

14.That other/ancillary issues raised in the application under reply do not pertain to the answering respondent. The Answering Respondent seeks



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leave to make additional submissions, if required, during the course of the proceedings.



DEPONENT

VERIFICATION

Verified at Lucknow on ^{1st} 2nd day of March, 2025

I, the above named deponent, do hereby solemnly affirm and state that the contents of above mentioned are true and correct to the best of my knowledge and based on record and I have not suppressed any material fact.

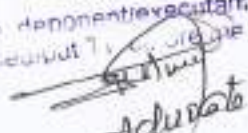


DEPONENT



ATTESTED

Advocate Notary
7, Model House, Lucknow

I identify the deponent/executor/attendant who has signed but I do not verify the signature

Advocate



Government of India
Ministry of Environment, Forest and Climate Change
IA Division
(Thermal Projects)



Minutes of AGENDA OF 10TH MEETING OF THE EXPERT APPRAISAL COMMITTEE meeting Thermal Projects held from 10/06/2024 to 10/06/2024

Date: 28/06/2024

MoM ID: EC/MOM/EAC/429613/5/2024

Agenda ID: EC/AGENDA/EAC/429613/5/2024

Meeting Venue: N/A

Meeting Mode: Virtual

Date & Time:

10/06/2024	10:30 AM	05:30 PM
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1. Opening remarks

The 10th Meeting of the EAC (Thermal Power) organized by the Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road, New Delhi was held on 10th June, 2024 through Virtual Mode under the Chairmanship of Dr. Sharad Singh Negi. At the outset, the Chairman welcomed the Expert members & other participants and requested to start the proceeding as per the agenda adopted for this meeting. The list of Members who participated in the meeting is at Annexure I. The Standard/Generic EC & ToR conditions shall be system generated through the PARIVESH Portal. Note - Due to Editor issue, Final Approved Minutes of the EAC is enclosed herewith in PDF as an Annexure]. Please refer this document and treat as approved Minutes of the EAC [Thermal Sector].

2. Confirmation of the minutes of previous meeting

The Minutes of the 9th EAC (Thermal Power) meeting held on 07.05.2024 were confirmed in the meeting.

3. Details of proposals considered by the committee

Day 1 -10/06/2024

3.1. Agenda Item No 1:

3.1.1. Details of the proposal

Expansion of Coal Based Thermal Power Plant from 1x350 MW to 2X350 MW" at Village- Sahajbahal, Tehsil: Lakhanpur, Dist: Jharsuguda, State: Odisha by M/s Ind-Barath Energy (Utkal) Ltd (IBEUL) (subsidiary of JSW Energy Ltd.) by IND BARATH ENERGY UTKAL LIMITED located at JHARSUGUDA,ODISHA

Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity

S. No.	Type	Quantity After Expansion	Disposal Plan
1	Used oil	50 KL / Year	It shall be stored in Drums and sent to authorized Recyclers.
2	Waste containing oil	4 KL / Year	It shall be stored in Drums and sent to authorized Recyclers.
3	Petroleum oil tank sludge	100 KL / every 10 Years	Sent to TSDF
4	Discarded containers	1000 nos./ Year	It shall be stored in room and sent to authorized Recyclers.
5	Oil and grease skimming residues	2 KL / Year	Sent to TSDF
Non-Hazardous waste			
1	Fly Ash	5290 MTPD	It shall be sent to Cement Manufacturer.
2	Bottom Ash	1324 MTPD	It shall be disposed in Ash Ponds.

Period
From 01.12.2022 to 28.02.2023

AAQ parameters at 8 locations (min. & Max.)

- PM10 = 40 to 89 $\mu\text{g}/\text{m}^3$
- PM2.5 = 20 to 54 $\mu\text{g}/\text{m}^3$
- SO2 =



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mg/lit & to
tal Alkalini
ty (as CaC
O₃): 84 to



124 mg/lit;
Calcium (as Ca): 24 to 38 mg/lit;
Magnesium (as Mg): 8.3 to 12.9 mg/lit;
Oil and grease: <2 (mg/lit);
Sulphate (as SO₄): 13 to 17 mg/lit;
Nitrate (as NO₃): 5.7 to 6.5 mg/lit;
Chloride (as Cl): 45 to 53 mg/lit;
Iron (as Fe): 0.07 to 0.11 mg/lit;
BOD 2.4 to 2.7 mg/lit;
Heavy metals like Copper (as Cu)- <0.01, Lead (as Pb)- <0.01, Cadmium (as Cd)-<0.01, Chromium (as Cr)- <0.05, Arsenic (as As)- <0.025 and Mercury (as Hg) - <0.001

Ground Water at sampl es
pH: 7.06 to 7.37; Total Dissolved Solids: 356 to 1192 mg/lit; total Hardness (as CaCO₃): 204 to 580 mg/lit;



at 10 Total Alkalinity(asCaCO₃): 160 to 365 mg/lit; Calcium (as Ca): 48 to 146 mg/lit; Magnesium (as Mg): 20.5 mg/lit; Sulphate (as SO₄): 25 to 76 mg/lit; Nitrate (as NO₃): 6.4 to 13.7 mg/lit; Chloride (as Cl): 30 to 372 mg/lit; Iron (as Fe): -0.1 to 0.23 mg/lit; Heavy metals like Copper (as Cu)- < 0.01, Lead (as Pb)- <0.01, Cadmium (as Cd)- < 0.003, Chromium (as Cr)-<0.05, Arsenic (as As)-<0.01 and Mercury (as Hg) :<0.001

Noise levels Leq (Day & Night)

The Leq values for day time was observed to be 51.2 to 61.2 dB (A) in commercial area, while during night time 41.8 to



Night at 8 location	o 57.9 dB (A).
Soil Quality at 7 Locations	Bulk density: 1.35 to 1.53 gm/cm ³ ; pH range 7.11 to 8.02; Electrical conductivity (EC): 167 to 412 μ hos/cm; calcium content: 1160 to 1780 mg/kg; sodium: 255 to 331 mg/kg; potassium: 140 to 183 mg/kg; Nitrogen: 192 to 258 mg/kg; Phosphorous: 11.3 to 15.6 mg/kg; Cation Exchange Capacity (CEC): 9.2 to 12.8 meq/100gm; Magnesium: 8.4 to 16.8 mg/kg; Organic Matter: 0.94 to 1.32
Flora & Fauna	Schedule-I species observed in the study area: Jangle



un a	cat, Porcupine, Sloth bear
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S. No.	Item Description	Cost in Lakhs. Rs.	Recurring cost in Lakh
1	Electrostatic Precipitator & other Air pollution control equipment & Mitigation measure	870	10
2	Chimney	250	2.0
3	Cooling Towers incl. Civil Works	150	10
4	Ash Handling	800	10
5	Ash Disposal Area	1320	15
6	Ash Water Recirculation Incl. ETP	180	5.0
7	Dust extraction & suppression System	25	5
8	DM plant waste treatment systems	150	5
9	Sewerage collection, treatment & disposal	120	3
10	Green Belt, Afforestation & Landscaping	734	100
11	CER	185	37
12	Wildlife Conservation plan	60	-
Total		4844*	202

* In addition to the item tabulated, FGD (~Rs. 300 cr.) & ZLD (~ Rs. 50 cr.) are being implemented towards Air Water pollution control measures, respectively.

3.1.3. Deliberations by the committee in previous meetings

N/A

3.1.4. Deliberations by the EAC in current meetings

10.1.4 The EAC after detailed deliberation on the information submitted and as presented during the meeting *deferred* the proposal seeking the following additional information:

3.1.5. Recommendation of EAC



3.2. Agenda Item No 2:

3.2.1. Details of the proposal

(3x660 MW) Neyveli Uttar Pradesh Power Limited, Ghatampur Thermal Power Project by NEYVELI UTTAR PRADESH POWER LIMITED located at KANPUR NAGAR, UTTAR PRADESH			
Proposal For		Amendment in EC	
Proposal No	File No	Submission Date	Activity (Schedule Item)
IA/UP/THE/445314/2023	J-13012/113/2011-IA.II (T)	04/10/2023	Thermal Power Plants (1(d))

3.2.2. Project Salient Features

Agenda Item No. 10.2

S. No	EC condition	Amendment requested	Justification
	<p>EC Specific Conditions sub-clause v)</p> <p>As committed, a minimum amount of 0.4% & 0.08% of the capital cost of the project shall be earmarked as capital cost during the construction phase of the project and recurring cost per annum till the operation of the plant respectively for CSR activities.</p>	The specific conditions under sub-clause v), vi) & vii) of Environmental Clearance may kindly be deleted	
	<p>EC Specific Conditions sub-clause vi)</p> <p>CSR schemes identified based on need based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken.</p>		
	EC Specific Conditions sub-clause vii)		



For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.		
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3.2.3. Deliberations by the committee in previous meetings

Date of EAC 1 :01/11/2023

Deliberations of EAC 1 :

The EAC during deliberations noted the following:

The proposal is for amendment in Environmental Clearance for 3x660 MW Ghatampur Thermal Power Station at Tehsil Ghatampur, District Kanpur Nagar, Uttar Pradesh by M/s Neyveli Uttar Pradesh Power Ltd.

The project/activity is covered under category A of item 1(d) 'Thermal Power Plants' of the Schedule to the Environmental Impact Assessment Notification, 2006 and requires appraisal at Central level by the sectoral EAC in the Ministry.

The EAC noted the PP could not provide the specific information on the status of work done under Corporate Environment Responsibility (CER) till date. It was also observed that green plantation carried out in the plant boundary is not up to the mark. It need to be improved. It was noted that there are 16 primary and secondary school in 8 gram panchayats within 10km radius of the project area in which no significant contribution has been made, only small scale work like painting in some schools has been done by the PP.

2.7.4 The EAC after detailed deliberation on the information submitted and as presented during the meeting deferred the proposal for want of additional information:

1. A detailed and time bound action plan for green plantation with 90% survival rate along with allocated budget duly approved by the forest department shall be submitted.
2. Submit latest certified compliance report of existing EC certified by IRO, MoEF&CC.
3. Latest social survey shall be carried out within 10 km of project cover area through reputed government institute in terms of current requirement of health centres, deployment of ambulances, upgrading school facilities such as development of school infrastructure/arrangements for smart classes and basic requirements of public like drinking water facility, setting up of skill development centres for local youth etc. Accordingly, time bound action plan for implementation of such activities shall be prepared and submitted.
4. Submit latest certified compliance report of existing EC.
5. Detailed plan for reducing the pollution during the fly ash transportation along with budget allocated for the same shall be submitted.
6. Detailed information of the ash pond area in terms of the latest notification of Ministry/ CPCB shall be submitted. A detailed note w.r.t. compliance of MoEF&CC notifications dated 31.12.2021 and 30.12.2022 defining the eligibility of thermal power plants for having additional ash pond shall be submitted by the IRO in its compliance report.
7. PP shall submit undertaking in affidavit form that 100 % fly ash utilization shall be carried out throughout the operation of the plant.

The proposal is therefore deferred on the above lines.

3.2.4. Deliberations by the EAC in current meetings

Reply: NUPPL Greenbelt development plan with Plantation survival report duly approved by the Forest Department has been submitted. Plantation survival rate: 85-87%. Greenbelt development Status:

Plantation Target	194 ha
Plantation Completed (upto FY 2023-24)	133.25 ha
Plantation under progress (FY 2024-25)	53.6 ha
Balance Plantation	7.15 ha

CER Activities under proposal for peripheral villages

Sr. no.	Proposed Activities	Proposed Budget (in lakhs)	Approved budget (In lakhs)	Current status	Expected completion period
1	Construction and maintenance of bitumen Road connecting Village Bandh and National Highway	-	70	Board approval obtained, estimation provided by PWD, MoU signing under progress	By Oct 2024
2	Purchase of one ALS Ambulance for villagers in peripheral villages	-	36	Board approval obtained, Tendering approval to be obtained	By Aug 2024
3	Organising of medical health camp in peripheral villages	30	-	Approval to be obtained	By March 2025, shall be organized every month
4	Purchase of one Electric bus for Skill training of villagers in peripheral villages	-	139.99	Activity approved, first time tender cancelled, Retendering under progress	By Aug 2024
5	Organizing Skill development training program for villagers in peripheral villages	-	83.75	MoU to be signed for first batch of 50 women participant for tailoring course	By December 2024
6	Providing smart classroom facility in government schools of peripheral v	-	40.00	Approval note under progress for tendering throu	By July 2024

	villages			gh GeM	
7	Renovation of government school building and installation of RO plants in Ashwarmau, Rampur, Sidhaul, Lahurimau, bagaria	-	260	Board approval obtained, approval under progress for tendering for Ashwarmau Junior school, estimation under preparation for other villages	By March 2025
8	Construction of new classroom building at govt secondary school in bandh village, Ghatampur Tehsil Kanpur Nagar	-		Estimation under progress	By Sept 2024
9	Construction of community Hall in peripheral villages	-	323.52	Construction work under progress, Construction completed in 2 villages	By Oct 2024
10	Construction & repair of the road in peripheral villages	-	1732	CC road construction under progress	By Oct 2024
11	Installations of 180 Solar based streetlights in peripheral villages	23.4	-	Budget estimation under progress for approval	By Oct 2024
12	Construction of 300m rural road for connecting gaushala to Sidhaul village of Ghatampur Tehsil, Kanpur Nagar	15	-	Budget estimation under progress for approval	By Dec 2024
	Total Amount (In Lakhs)	68.4	2685.26		

Quote:

As per MoEF&CC Notification 5.0. 6169(E) dated 30.12.2022.

"(6) Any new as well as operational thermal power plant may be permitted operational ash pond or dyke for temporary storage of ash within an area of 0.1 hectare per Mega Watt (MW). Technical specifications of operational as well as stabilised and reclaimed ash ponds or dykes shall be as per the guidelines of the Central Pollution Control Board (CPCB) made in consultation with the Central Electricity Authority (CEA) and these guidelines shall also lay down a procedure for annual certification of the operational as well as stabilised and reclaimed ash pond or dyke on its safety, environment pollution, available volume, mode of disposal, water consumption or conservation in disposal, ash water recycling and green belt, etc. and shall be put in place within three months from the date of publication of this notification:

Provided that up to two operational ash ponds or dykes for thermal power plants commissioned before 31st December, 2021, having installed capacity less than or equal to 1600 MW, and up to four operational ash ponds or dykes for thermal power plants having installed capacity more than 1600 MW, having multiple lagoons, within the specified area from the existing ash ponds or dykes, may be designated with clear demarcation along with coordinates, and shall inform to Central Pollution Control Board (CPCB) and concerned State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) by 31st March, 2023:

Provided further that one ash pond or dyke shall be permitted in case of new thermal power plants or expansion of existing thermal power plants commissioned on or after 31st December, 2021, which shall inform the details of demarcation along with coordinates to Central Pollution Control Board (CPCB) and concerned State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) within 3 months from the date of commissioning of thermal power plant or by 31st March, 2023, whichever is later:

Provided also that coal and lignite based thermal power plants shall not be allowed to further establish or designate any new operational ash pond or dyke:

Provided also that specification of 0.1 hectare per Mega Watt (MW) of an operational ash pond or dyke shall not be applicable for the thermal power plants commissioned before 03rd November, 2009."

Unquote:

From the above, it is noted that design and selection of Ash Pond for the project has been carried out in line with applicable MoEF&CC notifications.

3.2.5. Recommendation of EAC

Deferred for ADS

3.3. Agenda Item No 3:

3.3.1. Details of the proposal

2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL), by MIRZAPUR THERMAL ENERGY (UP) PRIVATE LIMITED located at MIRZAPUR, UTTAR PRADESH

Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity (Schedule Item)
IA/UP/THE/467671/2024	J-13012/12/2011-IA.II (T)	08/05/2024	Thermal Power Plants (1(d))

3.3.2. Project Salient Features

Agenda Item No. 10.3

2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL) - Terms of Reference – reg.

Category of the project	A
Capacity	1600 (2 X 800) MW
Attracts the General Conditions (Yes/No)	No
Additional information (if any)	-

Location of TPP

Village :

Taluk :

District :

State :

Co-ordinates of all four corners:

Average height of

(a) TPP site,

(b) ash pond site etc above MSL(m)

Dadri Khurd

Mirzapur Sardar

Mirzapur

Uttar Pradesh

a) TPP site;

b) Ash pond site;

c) township etc.

Coordinates of TPP site including Ash pond and township

S.NO.	Latitude	Longitude
1	24°59'43.10"N	82°41'1.32"E
2	24°59'15.67"N	82°40'48.65"E
3	24°59'16.22"N	82°40'32.70"E
4	24°59'0.36"N	82°40'31.30"E
5	24°58'59.94"N	82°40'21.69"E
6	24°58'43.86"N	82°40'21.29"E
7	24°58'44.48"N	82°40'0.15"E
8	24°58'34.88"N	82°39'59.91"E
9	24°58'34.59"N	82°40'10.54"E
10	24°58'27.30"N	82°40'8.78"E
11	24°58'14.57"N	82°39'55.42"E
12	24°58'6.36"N	82°39'44.21"E
13	24°58'23.71"N	82°39'48.52"E
14	24°58'25.44"N	82°39'50.05"E
15	24°58'33.97"N	82°39'46.94"E
16	24°58'37.62"N	82°39'47.94"E
17	24°58'39.68"N	82°39'45.63"E
18	24°58'48.52"N	82°39'44.25"E
19	24°59'0.89"N	82°39'49.86"E
20	24°59'12.52"N	82°39'57.77"E
21	24°59'36.31"N	82°39'57.84"E
22	24°59'42.80"N	82°39'55.48"E
23	24°59'48.80"N	82°40'4.67"E
24	24°59'53.60"N	82°40'2.03"E
25	24°59'56.49"N	82°40'9.78"E
26	25° 0'1.35"N	82°40'14.57"E
27	25° 0'6.56"N	82°40'17.38"E



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28	25° 0'4.58"N	82°40'23.19"E
29	25° 0'9.45"N	82°40'25.50"E
30	25° 0'10.07"N	82°40'24.11"E
31	25° 0'14.85"N	82°40'26.43"E
32	25° 0'14.09"N	82°40'28.29"E
33	25° 0'15.05"N	82°40'28.98"E
34	25° 0'9.57"N	82°40'42.06"E
35	25° 0'10.76"N	82°40'42.96"E
36	25° 0'4.33"N	82°40'49.13"E
37	25° 0'0.20"N	82°40'46.22"E
38	24°59'58.98"N	82°40'51.13"E
39	24°59'57.20"N	82°40'50.02"E
40	24°59'54.74"N	82°40'55.39"E
41	24°59'49.00"N	82°40'51.94"E
42	24°59'45.52"N	82°40'55.23"E
43	24°59'43.90"N	82°40'53.55"E

a) 198 m above MSL.

b) 195 m above MSL.

Accredited Consultant and certificate no.	Gaurang Environmental Solutions Pvt. Ltd. NABET Accreditation No.: NABET / EIA / 2023/SA0 203
Inter- state issue involved	No
Seismic zone	Zone-III as per IS 1893.
Land Requirement: a) TPP Site b) Ash Pond c) Township d) Railway Siding & Others e) Raw Water Reservoir f) Green Belt g) others Total (if expansion state additional land requirement)	365.19 ha. 85.80 ha 49.37 ha 11.57 ha 64.14 33.18 ha 120.51 ha 0.62 Total: No additional land is required.
Status of Land Acquisition:	The land required for proposed project is already under possession except Govt. & Forest like area (Jhari)
Status of the project: If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion. If under operation phase, date of commissioning (COD) of each unit. Whether the plant was under shutdown since commissioning, details and	Proposed project is at planning stage and no construction activities have been commenced at the site.

d reasons.		
Break-Up of land-use of TPP site: a) Total land required for project components b) Private land c) Government land Forest Land		Total Project Land: 365.19 ha Private Land: 364.57 ha Forest Land: 0.62 ha (Application was submitted for same area but after the Joint inspection of DFO (Forest Office) & SDM (Revenue) was held on 03.04.2024 confirming that the above area is Non-Forest Land. This area will be used for plantation / green belt purposes only.)
Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof:		No, the district doesn't fall under CPA.
CRZ Clearance		Not Applicable
Whether the project is in the Critically Polluted Area (CPA)/Severely Polluted Area (SPA) or within 10 km of CPA. If so, the details thereof:		No, the district doesn't fall under CPA/SPA.
Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Reserve Forest/Protected Forest Land	Yes	Mirzapur RF is Adjacent to Plant Boundary. Danti RF is Adjacent to Plant Boundary. No National Park, Sanctuary, Elephant/Tiger Reserve, or migratory routes/wildlife corridor exists within 15 km of the power station. Temples and BHU (South Campus) are existing within 15 km from project site.
National Park	No	
Wildlife Sanctuary	No	
Archaeological sites monuments/historical temples etc	No	
Names & distance of National parks, Wildlife sanctuaries, Biosphere reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary.	No	
Availability of Schedule-I species in study area	No	-
Additional information (if any)	-	-
If expansion, the details of ECs (including amendments and extension of validity) of existing Units etc.		Ministry of Environment, Forest & Climate Change (MoEFCC) had granted Environmental Clearance for 1320 (2x660) MW vide F. No: J-13012/12/2011-IA II(T) dated 21.08.2014 and name chan



Chronology of the Project	ged to Welspun Energy UP Pvt. Ltd. (WEUPPL) to Mirzapur Thermal Energy UP Pvt. Ltd. (MTE UPPL) Vide Letter No. F. No: J-13012/12/2011-I A II(T) dated 20.12.2019.
Amendments granted, if Yes details	Not applicable
Expansion / Green Field (new): (IPP / Merchant / Captive):	Green Field (De Novo) 1600 (2x800) MW (IPP), EC is already obtained (2x660), TPP construction is yet to be started.
If expansion, the date of latest monitoring done by the Regional Office (R.O) of MoE F&CC for compliance of the conditions stipulated in the environmental and CRZ clearances of the previous phases.	Proposed project is green field (De Novo) project. CRZ clearance is not applicable.
Specific webpage address where all EC related documents (including monitoring and compliance related reports/documents) of the specific project under consideration are/ will be available. Also contact details of P P's officer responsible for updating this webpage/information.	https://www.adanipower.com/ & https://parivesh.nic.in/
Cost of the Project (As per EC and revised): Cost of the proposed activity in the amendment:	Rs.18,300 Cr.
Employment Potential for entire project/plant and employment potential for the proposed amendment (specify number of persons and quantitative information).	Approx. 450 employees (250 Nos Direct and 200 Nos Indirect) during the construction phase (60 Months) and 300 employees (275 Nos. Direct and 25 Nos. Indirect) during operational phase (25 years) are expected excluding Labour.
Benefits of the project (specify quantitative information)	The proposed project will improve the power supply position in the state as well as in India, which is vital for economic growth as well as improving the quality of life. <ul style="list-style-type: none"> Infrastructure development. Direct & indirect employment opportunity Revenue generation to central & state government. Trickledown effect of enhance profitability to the local populace. Skill development and capacity building like vocational training, income generation programmes and entrepreneurship development programmes



	<ul style="list-style-type: none"> Awareness programme and community activities, like health camps, medical aides, family welfare camps, sanitization/ cleanliness awareness programme, immunization camp, sports & cultural activities, plantation, etc. Awareness about water borne diseases and pandemic diseases etc. will be done to local villages. The project will also attract the high-income groups to invest in the region and thus bring about economic growth of the region.
Status of other statutory clearances	PP has already applied for Forest clearance/approval for Land Diversion of 8.3581 Ha. [FP/UP/TH/14236/2015] & 4.0123Ha. [FP/UP/OTHERS/470227/2024].
R&R details	Not applicable
Capacity & Unit Configurations:	1600 MW, Configured as 2 x 800 MW
Fuel to be used:	Coal and Auxiliary Fuel
Quantity of Fuel required per Annum:	Coal - 6.4 Million MTPA Auxiliary Fuel- 15000 KL per annum
Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)	Coal for the Proposed project will be Domestic coal from commercial Coal Mines of NCL / SECL / CCL & Commercial Coal Mines. (Design Coal GCV of 3200-4300 KCal/kg.). Auxiliary liquid fuels, viz. LDO/HSD requirement per annum is about 15000 kilo liters.
Details of mode of transportation of coal from coal source to the plant premises along with distances	Coal shall be received from Mine to TPP through BG Rail Wagons. Total distance from the source to Rail: about 250 - 550 km.
Fly Ash Disposal System Proposed	<p>Fly ash will be collected in dry form for utilization, while bottom ash will be collected in wet form. There would be provision for dry disposal of fly ash from storage silos to closed tankers for utilization in cement industries, abandoned mine reclamation, road construction, aggregate replacement in concrete, for manufacturing bricks, etc. as per Fly Ash Notification, 31st December' 2021 and amendments.</p> <p>Provision would be kept for HCSD disposal of both bottom and fly ash to ash pond in case of exigency. In this case, both bottom ash and fly ash will be disposed through HCSD system to the proposed ash dyke.</p>



a) Ash Pond / Dyke: (Area, Location & Co-ordinates) Average height of area above MSL (m)		Area-49.37 ha 25° 0'1.67"N 82°40'33.12"E 195 m above MSL.
b) Space left in ash dyke area		Area- 49.37 ha
Quantity of a) Fly Ash to be generated b) Bottom Ash to be generated:		10,035 TPD 8028 TPD 2007 TPD
Fly Ash utilization percentage with details in last 5 years		No fly ash generated in last five years as this is a green field (De Novo) project
Stack Height (m) & Type of Flue		120 (m) (new) Bi Flue
Source of Water:	Ganga river The water will be drawn from River Ganga to Upper Khajuri Dam and from Upper Khajuri Dam to plant site through pipeline of about 32.6 km in length.	
Quantity of water requirement:	28 MCM/ Annum	
Distance of source of water from Plant:	32.6 Km (from Ganga river)	
Whether barrage/ weir/ intake well/ jack well/ others proposed:	Yes Intake well is proposed for the project.	
Mode of conveyance of water:	Pipeline	
Status of water linkage:	WRD permission. The water drawl permission of 36 MCM/year is obtained from WRD Uttar Pradesh Vide letter no. 3613/11-27-C.0-4-174/11 dated 09.10.2011.	
(If source is Sea water) Desalination Plant Capacity	NA	
Mode / Management of Brine:	NA	
Cooling system	Induced draft cooling system	
Any litigation/ Court Case pertaining to the project	Regulatory & Non-regulatory Court Cases are under hearing & Consideration and reserved for judgment. In December' 2016, NGT judgement set aside the EC of the 1320 MW TPP at Mirzapur and vide their judgment in May'2017, that Project proponent is at liberty to approach the MoEF&CC or any other competent authority for processing of the applications for grant of EC upon making up for rectifying the defects and deficiencies pointed out in the judgment. However, the authorities concerned	



	ned are at liberty to process the same in accordance with law while strictly adhering to the content of the judgment.
Is the proposal under any investigation? If so, details thereof.	No
Any violation case pertaining to the project on following: i. The Environment Protection Act, 1986 ii. The Forest (Conservation) Act, 1980. iii. The Wild Life (Protection) Act, 1972	No
Additional information (if any)	-

- ix. The estimated project cost is Rs. 18,300 Cr. Total capital cost earmarked towards environmental pollution control measures is Rs. 3012.39 Cr. and the Recurring cost (operation and maintenance) will be about Rs 3.0 Cr per annum considering EMP.
- x. Total Employment will be 275 persons as direct & 25 persons as indirect. Industry proposes to allocate Rs. 48.5 Cr. towards CER (as per Ministry's OM dated 30.09.2020).
- xi. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site except Reserved forests, temples and BHU (South Campus) exist within the study area from the project site. Upper Khajuri Dam is at a distance of 6.0 km in the WEST direction and few other water bodies exist within the study area from the project site
- xii. Effluent of 1080 KLD quantity will be treated through STP & ETP. The plant will be based on a Zero Liquid discharge system.
- xiii. Power requirement after will be 7.5 and will be met from self-generation, i.e. AUX consumption. The existing unit has no DG sets, additionally, no DG sets are used as standby during power failure. Stack (height-movable DG sets) will be provided as per CPCB norms for the proposed DG sets.
- xiv. The existing unit has no boiler. Additionally, a 585 TPH coal-fired boiler will be installed. Electrostatic precipitator (ESP), NO_x Control system and Flue gas desulphurisation system (FGD) with a stack height of 120 m will be installed for controlling particulate emissions within the statutory limit of 30 mg/Nm³ for proposed boilers.
- xv. Details of Solid waste/ Hazardous waste generation and its management are given below.

- xvi. **Ash Pond area:** As per MoEF&CC Notification S.O. 5481(E) dated 31.12.2021 and amendments stipulated ash pond area for thermal power plant 0.1 hectare per Mega Watt (MW). The proposed power plant has total ash pond area 49.37 ha i.e. 13.51% of the total project area 365.19 ha which is well within the norms.

xvii. **Water Requirement:** Water consumption for thermal power plants as per MoEF&CC vide Notification S.O. 3305 (E) dated 07.12.2015 for all existing CT based plants reduce specific water consumption upto maximum of 3.5 m³/MWh and as per MoEF&CC stipulated norms vide Notification GSR 593 (E) dated 28.06.2018 water allocated to the thermal power plant is 3 m³/MWhr for new plants installed after the 1st January, 2017. The total water requirement for the project is 3200 m³/h, (2m³/MWh) which will be well within the stipulated norms of Notification dated 07.12.2015/28.06.2018.

xix. **Details of Coal Linkage:** Coal for the Proposed project will be Domestic coal from commercial Coal Mines of NCL / SECL / CCL & Commercial Coal Mines.

xx. Status of Litigation Pending against the proposal, if any.

				In December' 2016, NGT judgement set aside the EC of the 1320 MW TPP at Mirza pur and vide their judgment in May'2017, that Project proponent is at liberty to approach the MoEF&CC or any other competent authority for processing of the applications for grant of EC upon making up for rectifying the defects and deficiencies pointed out in the judgment. However, the authorities concerned are at liberty to process the same in accordance with law while strictly adhering to the content of the judgment.

3.3.3. Deliberations by the committee in previous meetings

N/A

3.3.4. Deliberations by the EAC in current meetings

The proposed Land area for the project is 365.19 Ha. Land as per Government of Uttar Pradesh land records and land use details are as under:

Sl. No.	Type of Land	Area (in ha)	Remarks
i.	Industrial Land (Private Land converted for industrial use.) Currently the land is barren and under possession.	333.19	Land use map prepared using satellite imagery and GIS is enclosed as Annexure – I. Copy of order & summary of land documents is enclosed as Annexure – II.

			Based on the Land allotment and Land converted for industrial purpose by order of District Magistrate, Sadar Mirzapur, Govt. of U.P. Order dated: 05.11.2012.
ii.	Govt. Land	31.38	Application for land allotment was submitted on dated 22.03.2024 & 22.05.2024. Copy of receipt the application is enclosed Annexure - III.
iii.	Forest like area	0.62	The application was submitted for diversion of forest area (forest-like area) but after the Joint inspection of DFO (Forest Office) & SDM (Revenue) held on 03.04.2024, it was confirmed that the above area is Non-Forest Land. Copy of Joint inspection report enclosed Annexure - IV. However, as per the directions of Hon'ble committee members, this area will be used for plantation / green belt purposes only

The Committee observed that PP has reported an area of 0.62 Ha (forest land) inside the plant boundary but at the same time applied for FC over an area of 4.0123 vide proposal No FP/UP/OTHERS/470227/2024 dated 22/04/2024. Further, PP submitted that application was submitted for the same area (0.62 Ha) but after joint inspection of DFO (Forest Office) & SDM (Revenue) was held on 3.04.2024 confirming that the above area is non-forest land. In addition to this PP also reported in PFR that there is a forest involvement in water pipeline (5.8162 ha) and approach road (2.5419 ha). Stage I Forest Clearance has already been applied for this vide Proposal no. FP/UP/THE/14236/2015 and the same is under due consideration with MoEF&CC. The Committee is of the view that although PP has submitted a copy of joint inspection report but for more clarity PP shall obtain a letter in this regard from concerned forest department clearly mentioning the extent of forest land involved within and outside (other activities related to plant) plant area. The EAC also suggested that while preparing the EIA/EMP report, PP shall explore the possibility of optimizing forest land requirement to the extent possible and submit a detailed note on the same at the time of EC presentation. In case of any increase in forest land PP shall obtain the amendment in ToR.

3.3.5. Recommendation of EAC

Recommended

3.3.6. Details of Terms of Reference

3.3.6.1. Specific

[A] Environmental Management and Biodiversity Conservation

1.	A Cumulative Environmental Impact Assessment study of all the existing and proposed projects in the 15-km radius of the proposed project shall be conducted and the same shall be included in the EIA/EMP report. Details of industrial units present in 15 Km radius of the power plant shall be submitted.
2.	Radioactivity studies along with coal analysis to be provided (sulphur, ash percentage and heavy metals including Pb, Cr, As and Hg). Details of auxiliary fuel, if any including its quantity, quality, storage, etc should also be given.
3.	A comparative chart shall be prepared with changes observed from the previous baseline study and present baseline study.
4.	PP should submit the detailed plan in tabular format (year-wise for the life of the project) for concurrent afforestation and green belt development in and around the project site. The PP should submit the number of saplings to be planted, names of native species, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. In addition to this, PP should show on a surface plan (5-year interval for life of project) of suitable scale the area to be covered under afforestation & green belt clearly mentioning the latitude and longitude of the area to be covered during each 5 years. The capital and recurring expenditure to be incurred needs to be submitted. Plantation plan should be prepared in such a way that 80% of the plantation to be carried out in first 5 years and for the remaining years the proposal for gap filling. The seedling of height not less than 2 meters to be selected and accordingly cost of plantation needs to be decided. In addition to this, plantation in the safety zone at project boundary the plantation should be planned in such a way that it should be completed within 2 years only.
5.	Action plan for development of Three tier plantation programme (33% of total project cover area) along the periphery of the project boundary shall be provided. Plan shall be duly approved by the local forest department.
6.	A detailed plan need to be submitted for undertaking extensive green plantation within 10 km radius of the plant focusing on water reservoir, school, hospital and other institutional area and same need to be incorporated in EIA/EMP report.
7.	<i>Detailed action plan shall be prepared for maintenance of air pollution control equipment for proposed and existing units and shall be incorporated in EIA/EMP report.</i>
8.	<i>Details of Ash management of 5-year plan for 100 % ash utilization for proposed project shall be submitted. MoU signed for ash utilization with companies shall be submitted.</i>
9.	<i>Details of Ash handling system along with the supplementary coal handling system shall be submitted.</i>
10.	<i>Proper protection measures like HDPE lining, appropriate height of bund and adequate distance between the proposed Ash pond and water body (minimum 60 meters) etc. shall be planned to reduce the possibility of mixing leachate with any freshwater body for under-construction ash pond. A high-density Slurry disposal plan shall be prepared. The design of the same should as per CEA/CPCB guidelines.</i>
11.	<i>Pond and ground water quality (10 locations within 2 km radius of the plant boundary) shall be studied and report be submitted along with EIA/EMP. Action plan for Ground water monitoring stations on all hotspots like schools/hospitals within 2 km radius of the plant boundary be</i>



	<i>submitted. Baseline Study for Heavy metals in Groundwater, Surface water and soil to be carried out and incorporated in EIA/EMP report. This is in addition to the regular baseline study of the study area.</i>
1 2.	<i>Details pertaining to water source, treatment and discharge should be provided.</i>
1 3.	<i>Zero Liquid Discharge plan shall be submitted.</i>
1 4.	<i>PP shall submit action plan for using treated Sewage/Domestic wastewater for its operations.</i>
1 5.	<i>Project Proponent to conduct Environmental Cost Benefit Analysis for the project in EIA/EMP Report.</i>
1 6.	<i>An action plan shall be prepared for Water shed development within a 10 km radius of the plant boundary in consultation with a reputed government institution and incorporated in the EIA/EMP report. This should include recharge of ground water in the surrounding area of the plant.</i>
1 7.	<i>PP should clearly bring out that what is the specific diesel consumption ~ (Liters/Tonne of total material handled) and steps to be taken for reduction of the same. The year-wise target for reduction in the specific diesel consumption needs to be submitted. PP shall also explore the possibility of using e-vehicles/LNG/CNG-based machinery and trucks for the operation and transportation of Coal and ash.</i>
1 8.	<i>PP shall submit a plan for diversion of nalla/water body if any involved in the project. PP shall also obtain the permission for such diversion from the concerned authority.</i>
1 9.	<i>PP shall obtain a letter from concerned forest department clearly mentioning the extent of forest land involved within and outside (other activities related to plant) plant area.</i>
2 0.	<i>While preparing the EIA/EMP report, PP shall explore the possibility of optimizing forest land requirement to the extent possible and submit a detailed note on the same at the time of EC presentation. In case of any increase in forest land PP shall obtain the amendment in ToR.</i>
2 1.	<i>List of Schedule-I species needs to be authenticated by the concerned forest department.</i>
2 2.	<i>PP shall submit the firm coal linkage, quality of coal and propose mitigative measures in the EIA/EMP report after referring to the OMs issued by MoEF&CC in this regard.</i>
[B] Disaster Management	
1.	<i>A Disaster Management Plan shall be prepared and incorporated in the EIA/EMP report.</i>
[D] Miscellaneous	
1.	<i>Plot the wind rose diagram using the typical meteorological year (TMY) data for the period considered for the study. The monitoring units shall be deployed in the field based on the coverage area ratio and direction of the wind. A mathematical model shall be developed for the local site rather than using the standard model available in software for both air & water quality modelling.</i>
2.	<i>PP shall align its activities to one/few of the Sustainable Development Goals (SDG) and start</i>



	working on the mission of net zero by 2050. PPs shall update the same to the EAC.
3.	PP shall submit the EIA/EMP report after the plagiarism check using authenticated plagiarism software.
4.	Detailed description of all the court cases including all directions given by the apex and current status of them shall submit.
5.	PP should provide in the EIA Report details of all the statutory clearances, permissions, no objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after grant of EC.
6.	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.
7.	PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should mention the number and designation of persons to be engaged for the implementation of environmental management plan (EMP). The capital and recurring expenditure to be incurred needs to be submitted.
8.	PP should submit the year-wise, activity-wise and time-bound budget earmarked for EMP, occupational health surveillance, and activities proposed to address the issues raised during the Public Hearing. The capital and recurring expenditures to be incurred need to be submitted.
9.	Aerial view video of the project site and transportation route proposed for this project shall be recorded through drone and be submitted.
10.	PP while preparing the EIA/EMP Report and conducting Public consultation shall take into account, the deficiency pointed out by the Hon'ble NGT Judgment 21.12.2016.

[C] Socio-economic Study

1.	The Public Health Delivery Plan including the provisions for drinking water supply for the local population shall be in the EIA/EMP Report. The status of the existing medical facilities in the project area shall be discussed. Possibilities of strengthening of existing medical facilities, construction of new medical infrastructure etc. will be explored after assessing the needs of the labour force and local populace.
2.	Public consultation (Public Hearing and Written submission) shall be conducted as per the provisions of EIA Notification, 2006 (as amended) and OM's issued in this regard by MoEF&CC.
3.	As per the Ministry's OM dated 30.09.2020, to address the concern raised during the Public Hearing, the Project Proponent is required to submit the detailed activities proposed with year-wise budgetary provision (Capital and recurring) for at least 10 years. Activities proposed shall be part of EMP. Tentative no. of project-affected families (if any) shall be identified and accordingly appropriate Rehabilitation & Resettlement plan shall be prepared. The recommendation Socio-economic study may also be considered while planning the activities & budget. In addition to this issues raised during previous PH shall also be taken into account.
4.	Demographic details in 10 km area shall be submitted.

3.3.6.2. Standard

1(d)	Thermal Power Plants
Statutory compliance	
1.	The proposed project shall be given a unique name in consonance with the name submitted to other Government Departments etc. for its better identification and reference.
2.	Vision document specifying prospective long term plan of the project shall be formulated and submitted.
3.	Latest compliance report duly certified by the Regional Office of MoEF&CC for the conditions stipulated in the environmental and CRZ clearances of the previous phase(s) for the expansion projects shall be submitted.
Details of the Project and Site	
1.	The project proponent needs to identify minimum three potential sites based on environmental, ecological and economic considerations, and choose one appropriate site having minimum impacts on ecology and environment. A detailed comparison of the sites in this regard shall be submitted.
2.	Executive summary of the project indicating relevant details along with recent photographs of the proposed site (s) shall be provided. Response to the issues raised during Public Hearing and the written representations (if any), along with a time bound Action Plan and budgetary allocations to address the same, shall be provided in a tabular form, against each action proposed.
3.	Harnessing solar power within the premises of the plant particularly at available roof tops and other available areas shall be formulated and for expansion projects, status of implementation shall also be submitted.
4.	The geographical coordinates (WGS 84) of the proposed site (plant boundary), including location of ash pond along with topo sheet (1:50,000 scale) and IRS satellite map of the area, shall be submitted. Elevation of plant site and ash pond with respect to HFL of water body/nallah/River and high tide level from the sea shall be specified, if the site is located in proximity to them.
5.	Layout plan indicating break-up of plant area, ash pond, green belt, infrastructure, roads etc. shall be provided.
6.	Land requirement for the project shall be optimized and in any case not more than what has been specified by CEA from time to time. Item wise break up of land requirement shall be provided.
7.	Present land use (including land class/kism) as per the revenue records and State Govt. records of the proposed site shall be furnished. Information on land to be acquired including coal transportation system, laying of pipeline, ROW, transmission lines etc. shall be specifically submitted. Status of land acquisition and litigation, if any, should be provided.
8.	If the project involves forest land, details of application, including date of application, area applied for, and application registration number, for diversion under FCA and its status should be provided along with copies of relevant documents.
9.	The land acquisition and R&R scheme with a time bound Action Plan should be formulated and addressed in the EIA report.
10.	Satellite imagery and authenticated topo sheet indicating drainage, cropping pattern, water bodies (wetland, river system, stream, nallahs, ponds etc.), location of nearest habitations (villages), creeks, mangroves, rivers, reservoirs etc. in the study area shall be provided.
11.	Topography of the study area supported by toposheet on 1:50,000 scale of Survey of India, along with a large

1.	scale map preferably of 1:25,000 scale and the specific information whether the site requires any filling shall be provided. In that case, details of filling, quantity of required fill material; its source, transportation etc. shall be submitted.
Ecology biodiversity and Environment	
1.	A detailed study on land use pattern in the study area shall be carried out including identification of common property resources (such as grazing and community land, water resources etc.) available and Action Plan for its protection and management shall be formulated. If acquisition of grazing land is involved, it shall be ensured that an equal area of grazing land be acquired and developed and detailed plan submitted.
2.	Location of any National Park, Sanctuary, Elephant/Tiger Reserve (existing as well as proposed), migratory routes / wildlife corridor, if any, within 10 km of the project site shall be specified and marked on the map duly authenticated by the Chief Wildlife Warden of the State or an officer authorized by him.
3.	A mineralogical map of the proposed site (including soil type) and information (if available) that the site is not located on potentially mineable mineral deposit shall be submitted.
4.	The water requirement shall be optimized (by adopting measures such as dry fly ash and dry bottom ash disposal system, air cooled condenser, concept of zero discharge) and in any case not more than that stipulated by CEA from time to time, to be submitted along with details of source of water and water balance diagram. Details of water balance calculated shall take into account reuse and re- circulation of effluents.
5.	Water body/Nallah (if any) passing across the site should not be disturbed as far as possible. In case any Nallah / drain is proposed to be diverted, it shall be ensured that the diversion does not disturb the natural drainage pattern of the area. Details of proposed diversion shall be furnished duly approved by the concerned Department of the State.
6.	It shall also be ensured that a minimum of 500 m distance of plant boundary is kept from the HFL of river system / streams etc. and the boundary of site should also be located 500 m away from railway track and National Highways.
7.	Hydro-geological study of the area shall be carried out through an institute/ organization of repute to assess the impact on ground and surface water regimes. Specific mitigation measures shall be spelt out and time bound Action Plan for its implementation shall be submitted
8.	Detailed Studies on the impacts of the ecology including fisheries of the River/Estuary/Sea due to the proposed withdrawal of water / discharge of treated wastewater into the River/Sea etc shall be carried out and submitted along with the EIA Report. In case of requirement of marine impact assessment study, the location of intake and outfall shall be clearly specified along with depth of water drawl and discharge into open sea.
9.	Source of water and its sustainability even in lean season shall be provided along with details of ecological impacts arising out of withdrawal of water and taking into account inter-state shares (if any). Information on other competing sources downstream of the proposed project and commitment regarding availability of requisite quantity of water from the Competent Authority shall be provided along with letter / document stating firm allocation of water.
10.	Detailed plan for rainwater harvesting and its proposed utilization in the plant shall be furnished in addition, wherever ground water is drawn, PP shall submit detailed plan of Water charging activity to be undertaken.
11.	Feasibility of near zero discharge concept shall be critically examined and its details submitted.
12.	Optimization of Cycles of Concentration (COC) along with other water conservation measures in the project shall be specified.
13.	Plan for recirculation of ash pond water and its implementation shall be submitted.

1 4.	Detailed plan for conducting monitoring of water quality regularly with proper maintenance of records shall be formulated. Detail of methodology and identification of monitoring points (between the plant and drainage in the direction of flow of surface / ground water) shall be submitted. It shall be ensured that parameter to be monitored also include heavy metals. A provision for long-term monitoring of ground water table using Piezometer shall be incorporated in EIA, particularly from the study area.
1 5.	Hazards Characterization: Past incidents of hazard events within 10km radius of project area with detailed analysis of causes and probability of reoccurrence
Environmental Baseline study and mitigation measures	
1.	One complete season (critical season) site specific meteorological and AAQ data (except monsoon season) as per latest MoEF&CC Notification shall be collected along with past three year's meteorological data for that particular season for wind speed analysis and the dates of monitoring shall be recorded. The parameters to be covered for AAQ shall include PM10, PM2.5, SO2, NOx, CO and Hg. The location of the monitoring stations should be so decided so as to take into consideration the upwind direction, pre-dominant downwind direction, other dominant directions, habitation and sensitive receptors. There should be at least one monitoring station each in the upwind and in the pre - dominant downwind direction at a location where maximum ground level concentration is likely to occur.
2.	In case of expansion project, air quality monitoring data of 104 observations a year for relevant parameters at air quality monitoring stations as identified/stipulated shall be submitted to assess for compliance of AAQ Standards (annual average as well as 24 hrs).
3.	A list of industries existing and proposed in the study area shall be furnished.
4.	Cumulative impacts of all sources of emissions including handling and transportation of existing and proposed projects on the environment of the area shall be assessed in detail. Details of the Model used and the input data used for modelling shall also be provided. The air quality contours should be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. The windrose and isopleths should also be shown on the location map. The cumulative study should also include impacts on water, soil and socio-economics.
5.	Radio activity and heavy metal contents of coal to be sourced shall be examined and submitted along with laboratory reports.
6.	Fuel analysis shall be provided. Details of auxiliary fuel, if any, including its quantity, quality, storage etc should also be furnished.
7.	Quantity of fuel required, its source and characteristics and documentary evidence to substantiate confirmed fuel linkage shall be furnished. The Ministry's Notification dated 02.01.2014 regarding ash content in coal shall be complied. For the expansion projects, the compliance of the existing units to the said Notification shall also be submitted
8.	Details of transportation of fuel from the source (including port handling) to the proposed plant and its impact on ambient AAQ shall be suitably assessed and submitted. If transportation entails a long distance it shall be ensured that rail transportation to the site shall be first assessed. Wagon loading at source shall preferably be through silo/conveyor belt.
9.	For proposals based on imported coal, inland transportation and port handling and rail movement shall be examined and details furnished. The approval of the Port and Rail Authorities shall be submitted.
1 0.	Details regarding infrastructure facilities such as sanitation, fuel, restrooms, medical facilities, safety during construction phase etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase should be adequately catered for and details furnished.
Environmental Management Plan	

1.	EMP to mitigate the adverse impacts due to the project along with item - wise cost of its implementation in a time bound manner shall be specified.
2.	A Disaster Management Plan (DMP) along with risk assessment study including fire and explosion issues due to storage and use of fuel should be prepared. It should take into account the maximum inventory of storage at site at any point of time. The risk contours should be plotted on the plant layout map clearly showing which of the proposed activities would be affected in case of an accident taking place. Based on the same, proposed safeguard measures should be provided. Measures to guard against fire hazards should also be invariably provided. Provision for mock drills shall be suitably incorporated to check the efficiency of the plans drawn.
3.	The DMP so formulated shall include measures against likely Fires/Tsunami/Cyclones/Storm Surges/ Earthquakes etc, as applicable. It shall be ensured that DMP consists of both On-site and Off-site plans, complete with details of containing likely disaster and shall specifically mention personnel identified for the task. Smaller version of the plan for different possible disasters shall be prepared both in English and local languages and circulated widely.
4.	Details of fly ash utilization plan as per the latest fly ash Utilization Notification of GOI along with firm agreements / MoU with contracting parties including other usages etc. shall be submitted. The plan shall also include disposal method / mechanism of bottom ash along with monitoring mechanism.
Green belt development	
1.	Detailed scheme for raising green belt of native species of appropriate width (50 to 100 m) and consisting of at least 3 tiers around plant boundary not less than 2000 tree per ha with survival rate of more than 85% shall be submitted. Photographic evidence must be created and submitted periodically including NRSA reports in case of expansion projects. A shrub layer beneath tree layer would serve as an effective sieve for dust and sink for CO ₂ and other gaseous pollutants and hence a stratified green belt should be developed.
2.	Over and above the green belt, as carbon sink, plan for additional plantation shall be drawn by identifying blocks of degraded forests, in close consultation with the District Forests Department. In pursuance to this the project proponent shall formulate time bound Action Plans along with financial allocation and shall submit status of implementation to the Ministry every six months.
Socio-economic activities	
1.	Socio-economic study of the study area comprising of 10 km from the plant site shall be carried out through a reputed institute / agency which shall consist of detail assessment of the impact on livelihood of the local communities.
2.	Action Plan for identification of local employable youth for training in skills, relevant to the project, for eventual employment in the project itself shall be formulated and numbers specified during construction & operation phases of the Project.
3.	If the area has tribal population, it shall be ensured that the rights of tribals are well protected. The project proponent shall accordingly identify tribal issues under various provisions of the law of the land.
4.	A detailed CER plan along with activities wise break up of financial commitment shall be prepared in terms of the provisions OM No. 22-65/2017-IA.III dated 30.09.2020. CER component shall be identified considering need based assessment study and Public Hearing issues. Sustainable income generating measures which can help in upliftment of affected section of society, which is consistent with the traditional skills of the people shall be identified.
5.	While formulating CER schemes it shall be ensured that an in-built monitoring mechanism for the schemes identified are in place and mechanism for conducting annual social audit from the nearest government institute of repute in the region shall be prepared. The project proponent shall also provide Action Plan for the status of implementation of the scheme from time to time and dovetail the same with any Govt. scheme(s). CER details done in the past should be clearly spelt out in case of expansion projects.
6.	R&R plan, as applicable, shall be formulated wherein mechanism for protecting the rights and livelihood of the

people in the region who are likely to be impacted, is taken into consideration. R&R plan shall be formulated after a detailed census of population based on socio economic surveys who were dependant on land falling in the project, as well as, population who were dependant on land not owned by them.

7. Assessment of occupational health and endemic diseases of environmental origin in the study area shall be carried out and Action Plan to mitigate the same shall be prepared.

8. Occupational health and safety measures for the workers including identification of work related health hazards shall be formulated. The company shall engage full time qualified doctors who are trained in occupational health. Health monitoring of the workers shall be conducted at periodic intervals and health records maintained. Awareness programme for workers due to likely adverse impact on their health due to working in non-conductive environment shall be carried out and precautionary measures like use of personal equipments etc. shall be provided. Review of impact of various health measures undertaken at intervals of two to three years shall be conducted with an excellent follow up plan of action wherever required.

Corporate Environment Policy

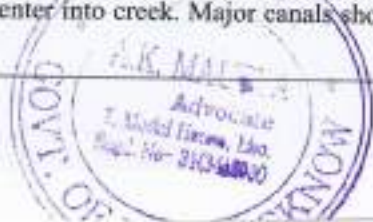
1. Does the company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
2. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
3. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions. Details of this system may be given.
4. Does the company has compliance management system in place wherein compliance status along with compliances / violations of environmental norms are reported to the CMD and the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.

Miscellaneous

1. All the above details should be adequately brought out in the EIA report and in the presentation to the Committee.
2. Details of litigation pending or otherwise with respect to project in any Court, Tribunal etc. shall invariably be furnished.
3. In case any dismantling of old plants are envisaged, the planned land use & land reclamation of dismantled area to be furnished.

Additional TOR for Coastal Based Thermal Power Plants Projects (TPPs)

1. Low lying areas fulfilling the definition wetland as per Ramsar Convention shall be identified and clearly demarcated w.r.t the proposed site.
2. If the site includes or is located close to marshy areas and backwaters, these areas must be excluded from the site and the project boundary should be away from the CRZ line. Authenticated CRZ map from any of the authorized agencies shall be submitted.
3. The soil levelling should be minimum with no or minimal disturbance to the natural drainage of the area. If the minor canals (if any) have to be diverted, the design for diversion should be such that the diverted canals not only drains the plant area but also collect the volume of flood water from the surrounding areas and discharge into marshy areas/major canals that enter into creek. Major canals should not be altered but their embankments should be strengthened and desilted.



4.	Additional soil required for levelling of the sites should as far as possible be generated within the site itself in such a manner that the natural drainage system of the area is protected and improved.
5.	Marshy areas which hold large quantities of flood water to be identified and shall not be disturbed.
6.	No waste should be discharged into Creek, Canal systems, Backwaters, Marshy areas and seas without appropriate treatment. Wherever feasible, the outfall should be first treated in a Guard Pond and then only discharged into deep sea (10 to 15 m depth). Similarly, the Intake should be from deep sea to avoid aggregation of fish and in no case shall be from the estuarine zone. The brine that comes out from Desalinization Plants (if any) should not be discharged into sea without adequate dilution.
7.	Mangrove conservation and regeneration plan shall be formulated and Action Plan with details of time bound implementation shall be specified, if mangroves are present in Study Area.
8.	A common Green Endowment Fund should be created by the project proponents out of EMP budgets. The interest earned out of it should be used for the development and management of green cover of the area.
9.	Impact on fisheries at various socio economic level shall be assessed.
10.	An endowment Fishermen Welfare Fund should be created out of CER grants not only to enhance their quality of life by creation of facilities for Fish Landing Platforms / Fishing Harbour / cold storage, but also to provide relief in case of emergency situations such as missing of fishermen on duty due to rough seas, tropical cyclones and storms etc.
11.	Tsunami Emergency Management Plan shall be prepared wherever applicable and Plan submitted prior to the commencement of construction work.
12.	There should not be any contamination of soil, ground and surface waters (canals & village pond) with sea water in and around the project sites. In other words necessary preventive measures for spillage from pipelines, such as lining of Guard Pond used for the treatment of outfall before discharging into the sea and surface RCC channels along the pipelines of outfall and intake should be adopted. This is just because the areas around the projects boundaries could be fertile agricultural land used for paddy cultivation.

4. Any Other Item(s)

N/A

5. List of Attendees

Sr. No.	Name	Designation	Email ID	Remarks
1	Dr Sharad Singh Negi	Chairman, EAC	sha*****@gmail.com	Present
2	Dr Santoshkumar Hampannavar	Member (EAC)	san*****@yahoo.com	Present
3	Shri K B Biswas	Member (EAC)	bis*****@gmail.com	Present
4	Dr Nazimuddin	Member (EAC)	naz*****@nic.in	Present
5	Shri Mahi Pal Singh	Member (EAC)	mps*****@nic.in	Present
6	Sh Inder Pal Singh Matharu IFS	Member (EAC)	mat*****@gmail.com	Present
7	Sh Lalit Kapur	Member (EAC)	lka*****@yahoo.com	Present
8	Dr Umesh Jagannathrao Kahalekar	Member (EAC)	uka*****@gmail.com	Present

9	Sh Savalge Chandrasekhar	Member (EAC)	sav*****@gmail.com	Present
10	Prof Shyam Shanker Singh	Member (EAC)	sin*****@gmail.com	Absent
11	Dr Vinod Agrawal	Member (EAC)	vin*****@yahoo.com	Present
12	Shri Harmet Sahaney	Member (EAC)	har*****@imd.gov.in	Absent
13	Prof R M Bhattacharjee	Member (EAC)	rmb*****@iitism.ac.in	Absent
14	Amit Vashishtha	Scientist E	ami*****@nic.in	Present



[Handwritten signature]

MINUTES OF THE 10TH MEETING OF THE EXPERT APPRAISAL COMMITTEE (EAC) ON ENVIRONMENTAL IMPACT ASSESSMENT (EIA) OF THERMAL POWER PROJECTS HELD ON 10TH JUNE, 2024.

The 10th Meeting of the EAC (Thermal Power) organized by the Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road, New Delhi was held on 10th June, 2024 through Virtual Mode under the Chairmanship of Dr. Sharad Singh Negi. At the outset, the Chairman welcomed the Expert members & other participants and requested to start the proceeding as per the agenda adopted for this meeting. The list of Members who participated in the meeting is at **Annexure I**. The Standard/Generic EC & ToR conditions shall be system generated through the PARIVESH Portal.

Confirmation of the Minutes of the 9th EAC meeting

The Minutes of the 9th EAC (Thermal Power) meeting held on 07.05.2024 were confirmed in the meeting.

Agenda Item No. 10.1

Expansion of Coal Based Thermal Power Plant from 1x350 MW to 2X350 MW in area of 240 Ha at Village- Sahajbahal, Sub District Banaharapali, District Jharsuguda, Odisha by M/s Ind-Barath Energy (Utkal) Ltd (IBEUL) (subsidiary of JSW Energy Ltd.) – Environmental Clearance (EC) – Reg.

[Proposal No. IA/OR/THE/464737/2024; F. No. J-13012/31/2008-IA. II (T)]

10.1.1 The proposal is for the grant of fresh Environmental Clearance for the project expansion of Coal Based Thermal Power Plant from 1x350 MW to 2X350 MW in area of 240 Ha at Village- Sahajbahal, Sub District Banaharapali, District Jharsuguda, Odisha by M/s Ind-Barath Energy (Utkal) Ltd (IBEUL) (subsidiary of JSW Energy Ltd.)

The project/activity is covered under category A of item 1(d) 'Thermal Power Plants' of EIA Notification 2006 (as amended) as the power generation capacity of the proposed project is beyond the threshold capacity of 500MW i.e. 700 MW (2X350 MW) and requires appraisal at Central level by the sectoral EAC in the Ministry.

10.1.2 The Project Proponent and the accredited Consultant M/s. EQMS GLOBAL PVT LTD, made a detailed presentation on the salient features of the project and informed that:

- i. M/s. Ind-Barath Energy (Utkal) Limited (IBEUL), a subsidiary company of JSW Energy Ltd (JSWEL) proposes to upgrade and expand its existing Thermal Power Plant production capacity from 350 MW to 700 MW with installation of additional

1X350 MW plant in its existing plant facility.

- ii. Earlier, IBEUL had planned to install a 2X350 MW Coal based thermal power plant at Village Sahajbahal, PO: Charpali- Barpali, Via: Bandhbahal, Tehsil: Lakhanpur, Jharsuguda, Odisha in line with MoU with govt. of Odisha and accordingly obtained Environmental clearance from MoEF&CC vide letter No. J-13012/31/2008-IA. II (T) dated 30th November, 2009 for installation of 700 MW (2x350), out of this Unit-I (i.e. 1x 350 MW) was commissioned in year 2016 and was operational as per CTO granted by OSPCB vide CTO no. 8024/IND-I-CON-6430 dated 09.06.2017 valid till 31.03.2018. The construction of unit-II was also completed more than 50%. Meanwhile, the unit became non-operational due to the financial crisis from 2016 and got admitted into corporate insolvency (CRIP) & Bankruptcy. Subsequently, JSW Energy (JSWEL) acquired IBEUL as per approved resolution plan by NCLT in 2018.
- iii. After acquisition, JSWEL started revalidating all statutory permissions in the name of IBEUL and obtained Consent to Operate (CTO) for unit-I from OSPCB vide letter no. 4606/IND-I-CON-6430 dated 30.03.2024. Now, IBEUL/JSW proposes to complete the remaining construction work of UNIT-II (i.e. 1x350 MW) and to start the operation of Unit-II (350 MW-Phase-II). Phase-II Power Project will be a coal based thermal power project within the existing site.
- iv. The project proposal was considered by the Expert Appraisal Committee (Thermal Power Sector) in its 2nd meeting held during 31st October- 1st November, 2023 and recommended for grant of Terms of References (ToRs) for the Project. The ToR has been issued by Ministry vide letter No. J-13012/31/2008-IA. II (T) dated 01.03.2024.
- v. The salient features of the project are as under: -

Category details-

Category of the project	A
Capacity	2x350
Attracts the General Conditions (Yes/No)	No
Additional information (if any)	NA

Project details:

Location of TPP Village	
Taluk:	Sahajbahal, O- Charpali- barpali Lakhanpur
District:	Jharsuguda

State:	Odisha		
Co-ordinates of all four corners:-	Point	Latitude	Longitude
	A	21°40'41.38"N	83°55'17.56"E
	B	21°40'00.11"N	83°54'48.77"E
	C	21°39'35.37"N	83°54'55.54"E
	D	21°39'10.28"N	83°55'17.04"E
	A	21°39'36.72"N	83°55'45.97"E
	B	21°40'23.60"N	83°55'45.24"E
Average height of (a) TPP site, (b) ash pond site etc above MSL (m)	a) TPP site; 218 amsl b) Ash pond site; 206 amsl		
Accredited Consultant and certificate no.	EQMS GLOBAL PVT LTD NABET/EIA/2225/RA0303 dated 18.11.2023 (Valid till 23.11.2025)		
Inter- state issue involved	No		
Seismic zone	Zone III (Moderate risk zone)		

Land Area Breakup:

Land Requirement:	
a) TPP Site	36 Ha
b) Ash Pond	15.26 Ha
c) Township	2.36 Ha
d) Railway Siding & Others	50 Ha
e) Raw Water Reservoir	15 Ha
f) Green Belt	76.66 Ha
g) others	44.72 Ha
Total (if expansion state additional land requirement)	Total: 240 Ha
Status of Land Acquisition:	Acquired
Status of the project:	Prior Environmental clearance was taken from MoEF&CC vide F.No. J-13012/31/2008-IA. II (T) dated 30 th November, 2009. However, out of total 2x350 MW, power plant of capacity 1X350 MW was already commissioned in year 2016 and was operational as per CTO granted by OSPCB vide CTO no. 8024/IND-I-CON-6430 dated 09.06.2017 valid till 31.03.2018. In between the
<p>If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion.</p> <p>If under operation phase, date of commissioning (COD) of each unit. Whether the plant was under shutdown since commissioning, details and reasons.</p>	



	construction of unit-II (350 MW) was also completed more than 50%. Meanwhile, the unit became non-operational due to the financial crisis from 2016 and got admitted into corporate insolvency (CRIP) & Bankruptcy. Subsequently JSW Energy (JSWEL) submitted resolution plan and the same was approved NCLT in 2018
Break-Up of land-use of TPP site:	
a. Total land required for project components b. Private land c. Government land d. Forest Land	Total Land: 240 Ha Private Land: 196.38 Ha Govt. Land: 7.68 Ha Forest Land: 35.98 Ha
Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof:	The proposed expansion of coal-based thermal power plant located at Jharsuguda, Odisha lies within the Ib Valley cluster. As per the current CEPI score of the Ib Valley it comes under the category of severely polluted area. The Severely Polluted Area of Ib Valley-Jharsuguda is spread over an area of about 580 km ² .
CRZ Clearance	NA
Whether the project is in the Critically Polluted Area (CPA)/Severely Polluted Area (SPA) or within 10 km of CPA. If so, the details thereof:	The proposed expansion of coal-based thermal power plant located at Jharsuguda, Odisha lies within the Ib Valley cluster. As per the current CEPI score of the Ib Valley it comes under the category of severely polluted area. The Severely Polluted Area of Ib Valley-Jharsuguda is spread over an area of about 580 km ² .

Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
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Reserve Forest	Forest/Protected Forest	Yes	<ul style="list-style-type: none"> Arhapparha Reserved Forest (4.84 Km, NW) Maulabhanja Reserved Forest (5.26 Km, NE) Reserved forest (6.78 Km, NW) Reserved forest (9.19 Km, NW) Reserved forest (5.19 Km, SW) Reserved forest (7.29 Km, SW)
Land			
National Park		No	
Wildlife Sanctuary		No	
Archaeological sites		No	
monuments/historical temples etc		No	
Names & distance of National parks, Wildlife sanctuaries, Biosphere reserves, Heritage sites, Rivers, Tanks, Reserve Forests etc. located within 10 Km from the plant boundary:		No	Hirakud Reservoir (0.5 km W)
Availability of Schedule-I species in study area			Jungle cat, Porcupine, sloth bear, Rat snake, Russel's Viper and Crocodile are Schedule-I, faunal species reported from the study area. Beside that, because the site is located close to Hirakud reservoir (Important bird area) there are about 23 three avifaunal species are recorded schedule-I.

Project description:

If expansion, the details of ECs (including amendments and extension of validity) of existing Units etc.	<p>Prior EC - F.No. J-13012/31/2008-IA.II (T) dated 30.11. 2009</p> <p>The validity of environment clearance extended upto 31.12.2015.- File no: J-13012/31/2008-IA.II (T) dated 04.02.2015</p> <p>Again the validity of environment clearance extended upto 29.11.2016- File no: J-13012/31/2008-IA.II (T) dated 09.03.2016</p> <p>The validity of environment clearance extended upto 31.12.2017. - File no: J-13012/31/2008-IA.II (T) dated 03.03.2017</p>
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	The validity of environment clearance extended upto 31.12.2018 - File no: J-13012/31/2008-IA.II (T) dated 06.03.2018.
Chronology of the Project	<p>Prior Environmental clearance was taken from MoEF&CC vide F.No. J-13012/31/2008-IA. II (T) dated 30th Nov 2009. However, out of total 2x350 MW, power plant of capacity 1X350 MW was already commissioned in year 2016 and was operational as per CTO granted by OSPCB vide CTO no. 8024/IND-I-CON-6430 dated 09.06.2017 valid till 31.03.2018. In between the construction of unit-II was also completed more than 50%. Meanwhile, the unit became non-operational due to the financial crisis from 2016 and got admitted into corporate insolvency (CRIP) & Bankruptcy. Subsequently JSW Energy (JSWEL) submitted resolution plan and the same was approved NCLT in 2018.</p> <p>After acquisition, JSWEL started re-validating all statutory permissions in the name of IBEUL and obtained Consent to operate for unit-I from OSPCB vide letter no. 4856/IND-I-CON-6430 dated 28.03.2023. Now the CTO for the Unit - I has been renewed vide CTO Letter no. 4606/IND-I-CON-6430 dated 30.03.2024, valid till 29.09.2024.</p> <p>Now, IBEUL/JSW proposes to complete the remaining construction work of UNIT-II (Phase-II) and start operation of Unit-II.</p>
Amendments granted, if Yes details	No
Expansion / Green Field (new):	Expansion
(IPP / Merchant / Captive):	IPP
If expansion, the date of latest monitoring done by the Regional Office (R.O) of MoEF&CC for compliance of the conditions stipulated in the environmental and CRZ	Certified compliance report has been issued by MoEF&CC dated 12.02.2024

e-productivity

e-Proct...

e-Proct...

e-Proct...

e-Proct...

Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)	Quantity and details of Linkage available: Name of Block – Mahanadi coal field The method of obtaining remaining coal: (NLCIL/Talabira II & III OCP Coal/SEAC-05/2023-24/41426 Date of Auction :29-09-2023) Ash content in coal 45(%) Sulphur in coal 0.5(%) Moisture 15(%) GCV in coal 4039Kcal/Kg
Details of mode of transportation of coal from coal source to the plant premises along with distances	Mode of transportation is through Rail/ Road/ (Pipe/closed/open conveyor): Total distance from the source to Rail connectivity from chharla siding to Belpahar open cast mines (BOCM) Indian railway network for sourcing coal from other mines and ash transport to proposed JSW port at Paradeep thru main railway network.
Fly Ash Disposal System Proposed	High & Lean concentration slurry; High Ratio of water and ash – 20:80 Lean Ratio of water and ash – 40:60
a. Ash Pond / Dyke: (Area, Location & Co-ordinates) Average height of area above MSL (m) b. Space left in ash dyke area	JSWIBUL has proposed total area for ash pond 15.27 Ha. (37.74 acres) i.e., within the project boundary Coordinate: 21°39'18.15"N, 83°55'8.80"E Ash Dyke area available is 152729 m ² , Volume of ash pond considering 13 M height: 1985470 m ³
Quantity of: a. Fly Ash to be generated b. Bottom Ash to be generated:	Fly ash -1572420 tonnes/annum Bottom ash – 393470 /annum
Fly Ash utilization percentage with details in last 5 years :	Plant was not in operation in last 5 years.
Stack Height (m) & Type of Flue	275 (m) new Bi Flue stack

Water Requirement:

Source of Water:	Hirakud Reservoir Upstream
Quantity of water requirement:	54600 KLD
Distance of source of water from Plant:	1.50 Km / m (from intake point)

Whether barrage/ weir/ intake well/ jack well/ others proposed:	No
Mode of conveyance of water:	Pipeline
Status of water linkage:	Permission dated 13.12.2023
(If source is Sea water) Desalination Plant Capacity	NA
Mode / Management of Brine:	Not Applicable
Cooling system	Induced Draft

Public hearing: - Public Hearing is exempted, as it is an expansion project where more than 50% construction was already completed under the Prior Environmental clearance taken from MoEF&CC vide F.No. J-13012/31/2008-IA, II (T) dated 30th Nov 2009.

Court case details/violation:

Litigation/ Court Case pertaining to the project	Yes, Two cases are pending at Jharsuguda dist. court
Is the proposal under any investigation? If so, details thereof.	<p>Case-1: Suresh Bag vs IBEUL (C.S. 165/2013 before the Court of the Civil Judge, Senior Division, LR & LTV Jharsuguda along with IA 24/2014).</p> <p>Status: The aforementioned was disposed of by the Learned Judge on 21.01.2014 and order for maintaining status quo over the parcel of land bearing khata No. 191, 26 and 7, Mouza Adhapada, Jharsuguda was passed until the disposal of the suit. No injunctive orders have been passed until the disposal of the suit. No injustice orders have been passed against the IBEUL as regards the other properties which form part of the Scheduled Suit Properties.</p> <p>Case-2: Mahanadi Coal Fields Limited vs IBEUL (C.S. 126/2018 before the Court of the Civil Judge, Senior Division, Jharsuguda)</p> <p>Status: The Plaintiff has claimed for payment of an amount of approximately INR 2 Crores towards outstanding payments for usage of railway sidings and land along its side for stacking, loading and transportation of coal.</p>

	Since the Plaintiffs' claims were not admitted at the time of CIRP, hence the present claims cannot be raised at this stage, post approval of the NCLT resolution plan, would be difficult for the resolution applicant to run the business of the Corporate Debtor. The Supreme Court of India has held that the successful resolution applicant cannot be suddenly faced with undecided claims post the approval of the resolution plan.
Any violation case pertaining to the project on following: i. The Environment Protection Act, 1986 ii. The Forest (Conservation) Act, 1980. iii. The Wildlife (Protection) Act, 1972	Yes Violation against Forest land diversion by erstwhile Ind-barath Energy (Utkal) limited. Later the proposal was considered in FAC meeting held on 30/4/2024. The Committee, after deliberations and discussion with the DDG, Regional Office and Nodal Officer recommended the proposal.
Additional information (if any)	

- vi. The estimated project cost is Rs. 3200 crores (2 x 350 MW). Total capital cost earmarked towards environmental pollution control measures is Rs 4844 lacs and the Recurring cost (operation and maintenance) will be about Rs 202 lacs per annum.
- vii. Total Employment will be 1305 persons (700 persons in construction phase and 525 persons are already working and 80 persons additional for operation) as direct & 1000 persons indirect after expansion. Industry proposes to allocate 2% of total profit of towards CER .
- viii. Effluent of 4676 KLD out of total 5240 KLD (proposed 1x 350 MW) of industrial

wastewater generated quantity will be treated through Effluent treatment system. The plant will be based on Zero Liquid discharge system.

- ix. Power requirement after expansion will be 50 MW including existing 58.00 MVA and will be met from central transmission unit (CTU). Existing unit has 2 no. of DG Sets of capacity 500 KVA each is installed exclusively for backup purposes, DG sets are used as standby during power failure. Stack (height) will be provided as per CPCB norms to the proposed DG sets.
- x. Existing unit has 1180 TPH coal fired boiler. Additionally, 1180 TPH fired boiler will be installed. Multi cyclone separator/ bag filter with a stack of height of 275m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm³ for the proposed boilers.
- xi. Details of Solid waste/ Hazardous waste generation and its management (2X350 MW TPP)

S. No.	Type	Quantity After Expansion	Disposal Plan
1	Used oil	50 KL / Year	It shall be stored in Drums and sent to authorized Recyclers.
2	Waste containing oil	4 KL / Year	It shall be stored in Drums and sent to authorized Recyclers.
3	Petroleum oil tank sludge	100 KL / every 10 Years	Sent to TSDF
4	Discarded containers	1000 nos./ Year	It shall be stored in room and sent to authorized Recyclers.
5	Oil and grease skimming residues	2 KL / Year	Sent to TSDF
Non-Hazardous waste			
1	Fly Ash	5290 MTPD	It shall be sent to Cement Manufacturer.
2	Bottom Ash	1324 MTPD	It shall be disposed in Ash Ponds.

- xii. **Ash Pond area:** As per MoEF&CC Notification S.O. 5481(E) dated 31.12.2021 and amendments stipulated ash pond area for thermal power plant 0.1 hectare per Mega Watt (MW). The proposed power plant has total ash pond area 15.26

Ha out of total project area 240 Ha.

- xiii. **Water Requirement:** The total water requirement for the project is 54600 KL/MWh (2 x 350 MW TPP). The water drawl permission of 68,504.11 KLD (28 cusec) water has been obtained from Odisha state water resource department vide letter no 34659/WR dated 13.12.2023.
- xiv. **Details of Coal Linkage:** Coal shall be procured through e-auction. NLCIL/Talabira II & III OCP Coal/SEAC-05/2023-24/41426 Date of Auction :29-09-2023
- xv. Details of Certified compliance report submitted by RO, MoEF&CC: Certified compliance report vide file no: 101-472/24/EPE issued from MoEF&CC dated 12.02.2024. As per the certified compliance report no non-compliance detected.
- xvi. **Green Belt Development Plan:** Total area available with the Ind Barath Energy (UTKAL) Ltd. (IBEUL) subsidiary of JSW Energy including existing plant is 240 Ha. Out of the total area the greenbelt area about 76.66 Ha. has been earmarked for greenbelt development within the existing plant boundary, which is about 32% of the total plot area. Beside that IBEUL has identified about 18.21 Ha. land (about 7.60% of the plot area) outside the plant premises (nearby plant boundary at Rampela village) for greenbelt development. Thus the total green belt to be provided will be about 94.87 Ha. which is approx. 39.6 % (~40%) of the total plot area. The total approx. 1,84,400 nos. of additional trees in 94.87 Ha. area within the plant premises shall be planted under proposed re-issuance of EC to maintain green area. About 50 to 100 m wide greenbelt shall be developed in accordance with space available.
- xvii. **Baseline Environmental Scenario:**

Period	From 01.12.2022 to 28.02.2023
AAQ parameters at 8 locations (min. & Max.)	<ul style="list-style-type: none"> PM10 = 40 to 89 $\mu\text{g}/\text{m}^3$ PM2.5 = 20 to 54 $\mu\text{g}/\text{m}^3$ SO2 = 5.9 to 11.3 $\mu\text{g}/\text{m}^3$ NOx = 7.7 to 20.8 $\mu\text{g}/\text{m}^3$ CO = 0.16 to 0.28 mg/m^3 NH3 = <20 Pb = <0.5 As = <5.0 Ni = <15
Incremental GLC Level	<ul style="list-style-type: none"> PM = Max. GLC: 19.02 $\mu\text{g}/\text{m}^3$ SO2 = Max GLC: 2.38 $\mu\text{g}/\text{m}^3$ NOx = Max GLC : 2.10 $\mu\text{g}/\text{m}^3$

River samples (3)	water (3)	pH 6.95 to 7.04, Dissolved Oxygen: 6.7 to 7.1 mg/lit; Total Dissolved Solids: 206 to 260 mg/lit; Total Hardness (as CaCO ₃): 94 to 148 mg/lit & total Alkalinity (asCaCO ₃): 84 to 124 mg/lit; Calcium (as Ca): 24 to 38 mg/lit; Magnesium (as Mg) : 8.3 to - 12.9 mg/lit ; Oil and grease: <2 (mg/lit); Sulphate (as SO ₄): 13 to 17 mg/lit , Nitrate (asNO ₃) : 5.7 to 6.5 mg/lit; Chloride (as Cl) : 45 to 53 mg/lit; Iron (as Fe):0.07 to 0.11 mg/lit; BOD 2.4 to 2.7 mg/lit; Heavy metals like Copper (as Cu)- <0.01, Lead (as Pb)- <0.01, Cadmium (as Cd)-<0.01, Chromium (as Cr)- <0.05, Arsenic (as As)- <0.025 and Mercury(as Hg) - <0.001
Ground samples at 10	Water	pH: 7.06 to 7.37; Total Dissolved Solids: 356 to 1192 mg/lit; total Hardness (as CaCO ₃): 204 to 580 mg/lit; Total Alkalinity(asCaCO ₃): 160 to 365 mg/lit; Calcium (as Ca): 48 to 146 mg/lit; Magnesium (as Mg): 20.5 mg/lit; Sulphate (asSO ₄): 25 to 76 mg/lit, Nitrate (as NO ₃): 6.4 to -13.7 mg/lit; Chloride (as Cl): 30 to 372 mg/lit; Iron (as Fe): -0.1 to 0.23 mg/lit; Heavy metals like Copper (as Cu)- < 0.01, Lead (as Pb)- <0.01, Cadmium (as Cd)- <0.003, Chromium (as Cr)-<0.05, Arsenic (as As)-<0.01 and Mercury (as Hg) :<0.001
Noise levels (Day & Night) at 8 locations	Leq	The Leq values for day time was observed to be 51.2 to 61.2 dB (A) in commercial area, while during night time 41.8 to 57.9 dB (A).
Soil Quality at 7 Locations		Bulk density: 1.35 to 1.53 gm/cm ³ ; pH range 7.11 to 8.02; Electrical conductivity (EC): 167 to 412 μ mhos/cm; calcium content: 1160 to 1780 mg/kg; sodium: 255 to 331 mg/kg; potassium: 140 to 183 mg/kg; Nitrogen: 192 to 258 mg/kg; Phosphorous: 11.3 to 15.6 mg/kg; Cation Exchange Capacity (CEC): 9.2 to 12.8 meq/100gm; Magnesium: 8.4 to 16.8 mg/kg; Organic Matter: 0.94 to 1.32
Flora & Fauna		Schedule-I species observed in the study area: Jangle cat, Porcupine, Sloth bear

- xviii. **Budgetary Provisions of Environmental Management Plan:** A cost provision Rs. 4844 Lakh has been kept towards providing environmental measures and details are presented as under:

S. No.	Item Description	Cost in Lakh. Rs.	Recurring cost in Lakh
1	Electrostatic Precipitator & other Air pollution control equipment & Mitigation measure	870	10
2	Chimney	250	2.0
3	Cooling Towers incl. Civil Works	150	10
4	Ash Handling	800	10
5	Ash Disposal Area	1320	15
6	Ash Water Recirculation Incl. ETP	180	5.0
7	Dust extraction & suppression System	25	5
8	DM plant waste treatment systems	150	5
9	Sewerage collection, treatment & disposal	120	3
10	Green Belt, Afforestation & Landscaping	734	100
11	CER	185	37
12	Wildlife Conservation plan	60	-
Total		4844*	202

* In addition to the item tabulated, FGD (~Rs. 300 cr.) & ZLD (~ Rs. 50 cr.) are being implemented towards Air Water pollution control measures, respectively.

10.1.3 The EAC during deliberations noted the following:

- 1) The EAC noted that the proposal is for the grant of fresh Environmental Clearance for the project expansion of expansion of Coal Based Thermal Power Plant from 1x350 MW to 2X350 MW in area of 240 Ha at Village- Sahajbahal, Sub District Banaharapali, District Jharsuguda, Odisha by M/s Ind-Barath Energy (Utkal) Ltd (IBEUL) (subsidiary of JSW Energy Ltd.). The ToR has been issued by Ministry vide letter No. J-13012/31/2008-IA.II (T); dated 01.03.2024 .
- 2) The Public Hearing is exempted in pursuant to notification S.O 1247(E) dated 18.03.2021, as it is an expansion project where more than 50% construction was already completed under the Prior Environmental clearance taken from MoEF&CC vide F.No. J-13012/31/2008-IA. II (T) dated 30th Nov 2009.
- 3) The EAC further noted that the proposed expansion of coal-based thermal power plant located at Jharsuguda, Odisha lies within the Ib Valley cluster. As per the current CEPI score issued by the CPCB of the Ib Valley it comes under the category of **severely polluted area**. The Committee is of the view that PP shall obtain a certificate in this regard from the concerned SPCB.
- 4) The Committee observed that baseline data was collected from 01.12.2022 to 28.02.2023 and is valid as per OM dated 8.06.2022.

- 5) The committee observed that the project involved 35.98 Ha of forest land. PP in the application Form-1 mentioned that application for diversion of forest land was made vide proposal no FP/OR/THE/4785/2010 dated 16.11.2010. The Committee observed that as per site inspection report dated 23.03.2024 of RO, Bhubaneswar, MoEF&CC wherein it has mentioned that previous PP has started construction on forest land without approval of Central Government. In the same report it was also mentioned that there was a PIL (WPC 4167 of 2014) before Hon'ble High Court of Odisha on the issue of construction in Forest land without prior approval of Competent Authority. The Hon'ble Court vide order dated 17.05.2023 inter-alia directed for consideration of forest land diversion proposal and vide order dated 14.08.2023 granted a time period of 6 months to PP to obtain final order for forest diversion. The Committee is of the view that there are other shortcomings in the submission made by PP, therefore the latest status of FC shall be provided with the ADS reply.
- 6) The Committee observed that there are Schedule-1 Species and as per letter dated 18.12.2023 the same is yet to be submitted but PP mentioned that the same has been submitted on 21.02.2024. It is not clear whether the DFO has forwarded the same to PCCF or not and what is the current status of the approval.
- 7) The EAC noted that Water requirement for the Unit-I is 29400 KLD and Unit II is 25200 KLD. The Committee is of the view that PP shall optimize the water requirement and provide the justification that the water requirement is well within the limits stipulated by notifications issued by MoEF&CC in this regard from time to time.
- 8) The Committee is of the view that as the Unit-I was made operational during 2016 whether the existing plant is able to meet the current environmental standard and compliance with respect to Ministry's Notification G.S.R 682(E) dated 5.09.2022.
- 9) EAC noticed inconsistencies in the data presented during the meeting for example in slide No 33 & 114 of the PPT the max value of PM_{10} at project site is mentioned as $89 \mu g/m^3$ but at slide no 121 it is mentioned as $88 \mu g/m^3$. Further, the incremental load is shown as $4.88 \mu g/m^3$ with low grade Coal usage. Whereas (as per slide 114) it was presented that ESP is designed to limit pollution level to $50 \mu g/m^3$. The Committee also observed that as per MoP/CEA Notification dated 27.03.2019, Norms for Coal Consumption specified lowest grade of G15 with average GCV of 2715 K.Cal/kg & Coal Consumption of 6514 Tonne/MW/Annum. In slide number 127, it was indicated that Coal will be of the quality ranging between 2350-4039 K.Cal/kg i.e., G11-G17. Actually average grade to be maintained as to be brought out. If proposed grade of minimum range (G17) is used exclusively, pollution load will vary upward & different technology like FBC



may have to be used for mitigating pollution load. The Committee therefore of the view that average grade of Coal should be informed & measures to be taken for proper blending to achieve the desired level. It has also observed that in the same Slide number 127, Coal quality is shown as Fixed Carbon 20-30% range with 45% Ash & GCV ranging between 3350-4039 K. Cal/Kg. Further, the GCV of Coal in the Basic Information is also mentioned as 4039 k.cal/kg. It is matching with highest quality (G11 range). Therefore, PP shall clarify that pollution load calculated and shown to the EAC is based on which quality of coal. PP shall calculate the pollution based on quality of coal and accordingly provide the mitigative measures.

- 10) The Coal quantity mentioned at 7350 TPD seems to be on high side due to inferior grade proposed.
- 11) The Committee observed that reply to Standard ToR No 4 mentioned at slide number 104 is not sufficient as PP has not provided any response for dry disposal of Bottom Ash. However, it was informed inside 43 in Specific ToR that Wet Ash Slurry will be disposed in Ash Dyke. The Committee therefore of the view that PP shall optimize the water requirement and provide the justification for not adopting dry disposal of ash.

10.1.4 The EAC after detailed deliberation on the information submitted and as presented during the meeting **deferred** the proposal seeking the following additional information:

- 1) PP shall confirm the quality of coal to be used for the power plant both existing and proposed. Based on the quality of coal ascertain the pollution load and provide its mitigative measures with budget provision in EMP.
- 2) PP shall submit incremental GLC value without protection measures and with protection measures including PM10 and PM2.5 values. Additionally, predicted GLC values during operation and construction shall be submitted. A traffic Study for road transportation shall also be submitted.
- 3) During the meeting it was observed that the school is 0.6 km away from the plant boundary, therefore details of all sensitive areas within 5km boundary shall be submitted and a detailed plan proposing the impact on the same with mitigation measures to be provided. Further, possibility of relocating of school shall be studied.
- 4) PP shall optimize the water requirement and reason for adopting wet slurry ash disposal system and not opting dry ash slurry disposal system needs to be provided.

- 5) Coal requirement for the project shall be optimized.
- 6) PP shall provide the annual electricity generation for both the units.
- 7) PP shall provide the documents w.r.t coal linkages in pursuant to Ministry's OM issued from time to time.
- 8) PP shall submit a certificate from the concerned SPCB clarifying the location of the project w.r.t SPA. In case project is falling under SPA, the additional mitigative measures to be taken with budgetary provision needs to be provided. While formulating the reply PP shall also consider the following points:

- i) Transportation of materials by rail/conveyor belt shall be implemented.
- ii) Encourage use of cleaner fuels for trucks, If the roads required to be widened upto nearest railway siding, the same be constructed to avoid traffic congestion.
- iii) Concurrent plantation plan should be prepared in such a way to i) Increase green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible, ii) Greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc. shall be implemented.
- iv) Assessment of carrying capacity of plant & road transportation shall be done as per the State Plan/instructions and the details should be provided.
- v) Reuse/recycle of treated wastewater shall be implemented as feasible with latest technology. Zero liquid discharge concept may be adopted.
- vi) PP to install continuous monitoring station for ambient air quality and also continuous effluent quality in ETP shall be installed. Data so generated shall be linked with respective SPCB and CPCB websites. PP shall provide the details of the same with budgetary provisions.
- vii) A detailed water harvesting plan may be prepared by the project proponent for water augmentation and action plan with budget needs to be provided.
- viii) The project proponent shall install STP for generated domestic wastewater and should meet for discharge standards. PP shall provide the details of the same with budgetary provisions.
- ix) More stringent norms for management of hazardous waste like oil



container, ETP sludge etc shall be adopted. The waste generated should be preferably utilized in co-processing. PP shall provide the quantity of the waste to be generated and steps to be taken for its utilisation/minimisation and handling.

- x) Monitoring of compliance of EC conditions may be submitted with third party audit every year. Therefore, PP shall provide the details of the agency to be involved for the same. This is in addition to regular monitoring by concerned RO.
- 9) PP shall justify the water requirement in light of Notifications/OMs issued by MoEF&CC as applicable. Separate water requirements for stage I and II be submitted.
- 10) The impact of the project on Hirakud reservoir which is an important habitat for aquatic fauna be studied and mitigation measures proposed along with comments of the state wildlife authorities.
- 11) A sub-committee of the EAC shall visit the site to apprise various environmental issues including coal and ash handling mechanisms; CAAQ and pollution control measures; status of plantations etc.

Agenda Item No. 10.2

3x660 MW Ghatampur Thermal Power Station in an area of 998.82 Ha located at Village Rampur, Baigria, Lahrimau, Bandh and Anwarmau, Sub District Ghatampur, District Kanpur Nagar, Uttar Pradesh by M/s Neyveli Uttar Pradesh Power Ltd – Reconsideration for Amendment in Environmental Clearance (EC) - Reg.

[Proposal No. IA/UP/THE/445314/2023; F. No. J-13012/113/2011-IA.II (T)]

10.2.1 The proposal is for grant of amendment in Environmental Clearance to the project Expansion of existing 2980 MW (Stage-I & Stage-II) by adding 1x800 MW (Stage-III) Ultra Super Critical Technology Project in an area of 4369.34 acres (acquired) in Village Sipat, Tehsil Masturi, District Bilaspur, Chhattisgarh by M/s NTPC Ltd.

The project/activity is covered under category A of item 1(d) 'Thermal Power Plants' of the Schedule to the Environmental Impact Assessment (EIA) Notification, 2006, as amended as the power generation capacity of the proposed expansion is beyond the threshold capacity of 500MW i.e. 3x660 MW and requires appraisal at Central level by

the sectoral EAC in the Ministry.

The Ministry of Environment, Forests and Climate Change (MoEF & CC) accorded Environment Clearance (EC) on 17.05.2015 with Project cost as ₹14,375.40 Cr. As per MoEF&CC OM dated. 13.12.2022, EC is valid till 16.06.2025. The PP vide proposal No IA/UP/THE/445314/2023 applied for amendment in specific conditions of EC dated 17.05.2015. The amendment sought and justification provided for the same is as follows:

S. No	EC condition	Amendment requested	Justification
1.	EC Specific Conditions sub-clause v) As committed, a minimum amount of 0.4% & 0.08% of the capital cost of the project shall be earmarked as capital cost during the construction phase of the project and recurring cost per annum till the operation of the plant respectively for CSR activities.	The specific conditions under sub-clause v), vi) & vii) of Environmental Clearance may kindly be deleted	<ul style="list-style-type: none"> MoEF & CC, vide OM dtd.01.05.2018, has issued comprehensive guidelines on CER. These comprehensive guidelines on CER are being followed in subsequent ECs The CSR activities to be undertaken by an industry is under the domain of Ministry of Corporate Affairs under the Companies Act, 2013
2.	EC Specific Conditions sub-clause vi) CSR schemes identified based on need based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken.		<ul style="list-style-type: none"> The stipulation of conditions pertaining to CSR by MOEF&CC will create ambiguity in multiple reporting and duplication. CSR expenditure is subject to Governmental and Ministerial guidelines
3.	EC Specific Conditions sub-clause vii) For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible		<ul style="list-style-type: none"> NUPPL has taken up CSR activities as per the request/ directive received from the District Authorities.

external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.		<ul style="list-style-type: none"> NUPPL is committed to inclusive growth and sustainable development with special focus on the neighborhood communities.
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10.2.3 The EAC during deliberations noted the following:

The proposal was earlier considered by the EAC in its 2nd meeting held on 31/10/2023 to 01/11/2023 wherein the EAC **deferred** the proposal for want of additional information. PP vide its letter dated 23.05.2024 submitted the following information and presented during the meeting:

Query 1: A detailed and time bound action plan for green plantation with 90% survival rate along with allocated budget dully approved by the forest department shall be submitted.

Reply: NUPPL Greenbelt development plan with Plantation survival report duly approved by the Forest Department has been submitted. Plantation survival rate: 85-87%, Greenbelt development Status:

Plantation Target	194 ha
Plantation Completed (upto FY 2023-24)	133.25 ha
Plantation under progress (FY 2024-25)	53.6 ha
Balance Plantation	7.15 ha

Observation of EAC: The Committee observed that PP has also showed the photographs of plantation but the same are not geo-referenced and dated. Further, there is a scope of gap plantation. The Committee therefore of the view that PP shall carry out the gap plantation and other planned plantation activities in this monsoon and submit the photographs (geo-tagged and dated) of the same.

Query 2: Submit latest certified compliance report of existing EC certified by IRO, MoEF&CC.

Reply: Certified Compliance report of existing EC by IRO, MoEF&CC visited on 05.04.2024 has been submitted.

Observation of EAC: The Committee observed that as per CCR there is one partially

complied condition regarding submission of fire NOC. In addition to this RO also mentioned that time bound action required for:

- a) to submit the six-monthly compliance report regularly to this office. Abstract of submission of six monthly compliance reports since grant of EC and uploading on the portal as well as company website be submitted along with Action Taken Report.
- b) The details regarding the total area covered for green belt development within the project premises along with plant species planted, their nos, with photographs should be submitted along with strengthening the green belt by planting more native species plant specially on the boundary of the project and other open green areas. Compliance regarding Miyawaki plantation as per U.P Government notification be submitted along with details.

The Committee is of the view that PP shall comply with the observation of RO and submit an ATR in this regard.

Query 3: Latest social survey shall be carried out within 10 km of project cover area through reputed government institute in terms of current requirement of health Centres, deployment of ambulances, upgrading school facilities such as development of school infrastructure/arrangements for smart classes and basic requirements of public like drinking water facility, setting up of skill development Centres for local youth etc. Accordingly, time bound action plan for implementation of such activities shall be prepared and submitted.

Reply: Socio-Economic survey & need assessment study was carried out by Institute of Public Enterprise (IPE), Hyderabad (Under the aegis of ICSSR, MoE, GoI). Based on the recommendation provided in the report, a time bound action plan has been prepared by NUPPL.

CER Activities under proposal for peripheral villages					
Sr. no.	Proposed Activities	Proposed Budget (in lakhs)	Approved budget (In lakhs)	Current status	Expected completion period
1	Construction and maintenance of bitumen Road connecting Village Bandh and National Highway	-	70	Board approval obtained, estimation provided by PWD, MoU signing under progress	By Oct 2024

2	Purchase of one ALS Ambulance for villagers in peripheral villages	-	36	Board approval obtained, Tendering approval to be obtained	By Aug 2024
3	Organising of medical health camp in peripheral villages	30	-	Approval to be obtained	By March 2025, shall be organized every month
4	Purchase of one Electric bus for Skill training of villagers in peripheral villages	-	139.99	Activity approved, first time tender cancelled, Retendering under progress	By Aug 2024
5	Organizing Skill development training program for villagers in peripheral villages	-	83.75	MoU to be signed for first batch of 50 women participant for tailoring course	By December 2024
6	Providing smart classroom facility in government schools of peripheral villages	-	40.00	Approval note under progress for tendering through GeM	By July 2024
7	Renovation of government school building and installation of RO plants in Ashwarmau, Rampur, Sidhaul, Lahurimau, bagaria	-	260	Board approval obtained, approval under progress for tendering for Ashwarmau Junior school, estimation under preparation for other villages	By March 2025

8	Construction of new classroom building at govt secondary school in bandh village, Ghatampur Tehsil Kanpur Nagar	-		Estimation under progress	By Sept 2024
9	Construction of community Hall in peripheral villages	-	323.52	Construction work under progress, Construction completed in 2 villages	By Oct 2024
10	Construction & repair of the road in peripheral villages	-	1732	CC road construction under progress	By Oct 2024
11	Installations of 180 Solar based street lights in peripheral villages	23.4	-	Budget estimation under progress for approval	By Oct 2024
12	Construction of 300m rural road for connecting gaushala to Sidhaul village of Ghatampur Tehsil, Kanpur Nagar	15	-	Budget estimation under progress for approval	By Dec 2024
	Total Amount (In Lakhs)	68.4	2685.26		

Observation of EAC: The Committee is of the view that PP shall provide the issues raised during PH and action plan submitted by PP for the same at the time of grant of EC and budget proposed to address the same. PP shall also provide the status of action taken so far for the same and amount spent. In case the above, action plan (Socio-Economic survey & need assessment study) includes the issues already mentioned in PH action plan then the same needs to be brought out separately.

Query 4: Submit latest certified compliance report of existing EC.

Reply: Same as Sl. No. 2

Query 5: Detailed plan for reducing the pollution during the fly ash transportation along with budget allocated for the same shall be submitted.

Reply: Detailed plan for reducing the pollution during the fly ash transportation along with budget requirement has been submitted. The budget Allocation of ₹ 19.14 Cr. The fly ash produced at Ghatampur Thermal Power Project (GTPP), NUPPL is to be conveyed through the ash handling system to six numbers of fly ash silos with capacity 2100 Ton each. The fly ash handling and transportation to end users of the fly ash will be as follows:

a. Transportation Plan for Fly ash from GTPP:

- i. Vehicles and machineries with valid documents (such as Registration Certificate, pollution under control, insurance etc) only will be permitted inside GTPP premises after validation.
- ii. Strict adherence will be ensured to safety norms for safety of men and machine during transportation of fly ash from GTPP.
- iii. Inside boundary earmarked road will be used for movement of fly ash bulkers/Lorries for transportation of fly ash from GTPP Silo area strictly adhering to the speed limit.
- iv. Empty bulkers/lorries will reach fly ash weighbridge with consignment note for fly ash transport from GTPP to the cement manufacturer/brick manufacturer location.
- v. Bulker/lorry will be parked in the lorry bay waiting for its turn.
- vi. Unladen weight of the bulker/lorry will be carried out at the weigh bridge and tare weight be recorded.
- vii. The weighed bulker/lorry will move to Silo for fly ash loading through telescopic spout loading system to prevent fly ash spillage during loading.
- viii. CCTV cameras will be installed at weighbridge and fly ash loading area.

b. Pollution control measures during transportation of fly ash:

- i. The loaded bulker/lorry is to be thoroughly sealed to prevent spillage before

taken to weighbridge for gross weight and generation of GST invoice.

- ii. The loaded and weighed bulker/lorry is to be cleaned for any residual fly ash stuck to the body of the vehicle to prevent ash spillage during movement of the loaded bulker/lorry.
- iii. Dust suppression system will be ensured at loading area for prevention of fugitive dust emission.
- iv. Water sprinkling at regular intervals at Loading area of fly ash in carriage
- v. Vehicles, on haulage road to prevent dust emission on movement of vehicles from wheels of vehicles.
- vi. Air borne fly ash due to spillage is to be prevented by avoiding overloading of trucks/tankers, and adequately covering at the top.
- vii. After exit from GTPP premises, end users of fly ash to ensure that bulker/lorry remain thoroughly sealed/covered during transportation outside GTPP premises.
- viii. All environmental/statutory norms in force and conditions prescribed from time to time will be adhered

c. Budget required for the transportation plan of fly ash from NUPPL:

- i. Dust Suppression system: Rs. 15.10 Lakhs
- ii. Infrastructure development: Rs. 75 Lakhs
- iii. Fly Ash handling and offtake with recurring cost/annum: Rs. 18 24 Crores

Observation of EAC: The Committee is of the view that PP shall provide photographs of the action taken so far for the same. PP shall clarify whether the transportation is through closed bulkers or through lorries or both. In addition to this photographs (geo-tagged and dated) of water sprinkler arrangements and roads (paved, cemented etc.) needs to be provided.

Query 6: Detailed information of the ash pond area in terms of the latest notification of Ministry/ CPCB shall be submitted. A detailed note w.r.t. compliance of MoEF&CC notifications dated 31.12.2021 and 30.12.2022 defining the eligibility of thermal power plants for having additional ash pond shall be submitted by the IRO in its compliance report



Reply:**Quote:**

As per MoEF&CC Notification 5.0. 6169(E) dated 30.12.2022,

"(6) Any new as well as operational thermal power plant may be permitted operational ash pond or dyke for temporary storage of ash within an area of 0.1 hectare per Mega Watt (MW). Technical specifications of operational as well as stabilised and reclaimed ash ponds or dykes shall be as per the guidelines of the Central Pollution Control Board (CPCB) made in consultation with the Central Electricity Authority (CEA) and these guidelines shall also lay down a procedure for annual certification of the operational as well as stabilised and reclaimed ash pond or dyke on its safety, environment pollution, available volume, mode of disposal, water consumption or conservation in disposal, ash water recycling and green belt, etc. and shall be put in place within three months from the date of publication of this notification:

Provided that up to two operational ash ponds or dykes for thermal power plants commissioned before 31st December, 2021, having installed capacity less than or equal to 1600 MW, and up to four operational ash ponds or dykes for thermal power plants having installed capacity more than 1600 MW, having multiple lagoons, within the specified area from the existing ash ponds or dykes, may be designated with clear demarcation along with coordinates, and shall inform to Central Pollution Control Board (CPCB) and concerned State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) by 31st March, 2023:

Provided further that one ash pond or dyke shall be permitted in case of new thermal power plants or expansion of existing thermal power plants commissioned on or after 31st December, 2021, which shall inform the details of demarcation along with coordinates to Central Pollution Control Board (CPCB) and concerned State Pollution Control Board (SPCB) or Pollution Control Committee (PCC) within 3 months from the date of commissioning of thermal power plant or by 31st March, 2023, whichever is later:

Provided also that coal and lignite based thermal power plants shall not be allowed to further establish or designate any new operational ash pond or dyke:

Provided also that specification of 0.1 hectare per Mega Watt (MW) of an operational ash pond or dyke shall not be applicable for the thermal power plants commissioned before 03rd November, 2009."

Unquote:

1. When the project was envisaged, there is no stipulation to restrict the number of ash dykes to be provided in a power plant and stipulation pertaining to limitation ash dyke area was only available. Accordingly, EC Clearance was issued on 17.06.2015 with total allocated area of 427 Acres for Ash dyke after complying with CEA norms. Subsequently, LOA for BOP-GA3 Package of NUPPL was issued on



21.11.2016 with two Ash dykes based on available land constraint and operational requirements and construction is in completion phase.

2. As per MoEF&CC Ash Utilization notification dated 30.12.2022, "Any new as well as operational thermal power plant may be permitted operational ash pond or dyke for temporary storage of ash within an area of 0.1 hectare per Mega Watt (MW)". Accordingly, the combined area for both Ash Dykes for NUPPL Thermal Power project with total capacity of 1980 MW is 172.5 Hectare (427 Acres) as against the permissible Ash Dyke area limit of 198 Hectare (489 Acres). Hence, complying with the MoEF&CC norms.
3. As per the "Guidelines on Design, Construction, O&M and Annual Certification of Coal Ash Ponds" issued by CPCB and CEA in June 2023, "A single ash dyke/ash pond may contain multiple lagoons for ash storage based on operational requirements". Due to the available land constraint and considering the operational requirements, two separate ash dykes are envisaged and is in completion phase in the same allocated area instead of opting for two lagoons in a single ash dyke.

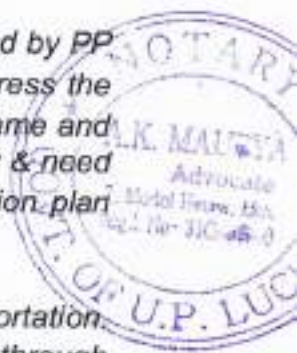
From the above, it is noted that design and selection of Ash Pond for the project has been carried out in line with applicable MoEF&CC notifications.

Query 7: PP shall submit undertaking in affidavit form that 100 % fly ash utilization shall be carried out throughout the operation of the plant.

Reply: PP has submitted an undertaking on Non judicial Stamp.

Based on the discussion held and document submitted the Committee deferred the proposal for want of following information:

- 1) PP shall carry out the gap plantation and other planned plantation activities in this monsoon and submit the photographs (geo-referenced and dated) of the same.
- 2) PP shall comply with the observation of RO and submit an ATR in this regard along with comments of RO on the ATR.
- 3) PP shall provide the issues raised during PH and action plan submitted by PP for the same at the time of grant of EC and budget proposed to address the same. PP shall also provide the status of action taken so far for the same and amount spent. In case the above, action plan (Socio-Economic survey & need assessment study) includes the issues already mentioned in PH action plan then the same needs to be brought out separately.
- 4) PP shall provide photographs of the action taken so far for fly ash transportation. PP shall clarify whether the transportation is through closed bulkers or through



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lorries or both. In addition to this photographs (geo-tagged and dated) of water sprinkler arrangements and roads (paved, cemented etc.) needs to be provided.

5) PP shall also provide the protective measures taken for the Ash Dyke and photographs of the same.

6) PP shall clarify about the change if any of the coal source for the plant.

Agenda Item No. 10.3

2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL) - Terms of Reference – reg.

[Proposal No. IA/UP/THE/467671/2024; F. No. J-13012/12/2011-IA.II (T)]

10.3.1 The proposal is for grant of Terms of Reference (ToR) to 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL).

The project/activity is covered under category A of item 1(d) 'Thermal Power Plants' of the Schedule to the Environmental Impact Assessment (EIA) Notification, 2006, as amended as the power generation capacity of proposed expansion is beyond threshold capacity of 500MW i.e. 2 x 800 MW (1600 MW) and requires appraisal at Central level by the sectoral EAC in the Ministry.

10.3.2 The Project Proponent and the accredited Consultant M/s. Gaurang Environmental Solutions Pvt. Ltd., made a detailed presentation on the salient features of the project and informed that:

- i. Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL) is proposed to setup a coal based Ultra Super Critical Technology Thermal Power Project (USCTPP) of 1600(2X800) MW in Village Dadri Khurd, District Mirzapur, State Uttar Pradesh.
- ii. Previously, M/s. Welspun Energy UP Pvt. Ltd. (WEUPPL) proposed to set up 2x660 MW Super Critical Coal based thermal power plant at Village Dadri Khurd, Tehsil Mirzapur, Uttar Pradesh. The Ministry of Environment, Forest & Climate Change (MoEFCC) had granted Environmental Clearance for 1320 (2x660) MW vide F. No: J-13012/12/2011-IA II(T) dated 21.08.2014 and subsequently, name changed to Welspun Energy UP Pvt. Ltd. (WEUPPL) to Mirzapur Thermal Energy

UP Pvt. Ltd. (MTEUPPL) Vide Letter No. F. No: J-13012/12/2011-IA II(T) dated 20.12.2019.

- iii. Earlier, Hon'ble NGT, Principal Bench, Delhi in their judgement dated 21.12.2016 set aside the Environmental Clearance (EC) dated 21.08.2014. Further, in Judgement dated 01.05.2017, a clarification was issued, that *"the Project Proponent is at liberty to approach the MoEF&CC or any other competent authority for processing of the application for grant of EC upon making up for /rectifying the defects and deficiencies pointed out in the judgement"*.
- iv. MTEUPPL had submitted the revised Form-I & supporting documents - Study Reports as suggested by MoEFCC for EC amendment which was appraised by the EAC (Thermal Power) in its meetings held on 24.07.2017 and 22.02.2019. The EAC in its meeting held on 22.02.2019 recommended for EC amendment.
- v. The MoEFCC vide letter no. J-13012/ 12/2011-IA.II(T) dated: 20.12.2019 suggested for providing/submitting the Stage-I Forest Clearance for further issuance of EC amendment letter. MTEUPPL had not submitted the same and the EC amendment letter was not issued. PP now submitted a fresh proposal for EC.
- vi. Pre-Construction activities & Planning has been Completed and construction work not started yet.
- vii. Now the proposal has changed from 2x660 MW to 2x800 MW and almost 10 years have lapsed, a new reference (De Novo) is being made through this application for grant of ToR.
- viii. The salient features of the project are as under:-

• **Category details:**

Category of the project	A
Capacity	1600 (2 X 800) MW
Attracts the General Conditions (Yes/No)	No
Additional information (if any)	-

• **Project details:**

Location of TPP	
Village :	Dadri Khurd
Taluk :	Mirzapur Sardar
District :	Mirzapur
State :	Uttar Pradesh
Co-ordinates of all four corners:	a) TPP site; b) Ash pond site;



c) township etc.

Coordinates of TPP site including Ash pond and township

S.NO	Latitude	Longitude
1	24°59'43.10"N	82°41'1.32"E
2	24°59'15.67"N	82°40'48.65"E
3	24°59'16.22"N	82°40'32.70"E
4	24°59'0.36"N	82°40'31.30"E
5	24°58'59.94"N	82°40'21.69"E
6	24°58'43.86"N	82°40'21.29"E
7	24°58'44.48"N	82°40'0.15"E
8	24°58'34.88"N	82°39'59.91"E
9	24°58'34.59"N	82°40'10.54"E
10	24°58'27.30"N	82°40'8.78"E
11	24°58'14.57"N	82°39'55.42"E
12	24°58'6.36"N	82°39'44.21"E
13	24°58'23.71"N	82°39'48.52"E
14	24°58'25.44"N	82°39'50.05"E
15	24°58'33.97"N	82°39'46.94"E
16	24°58'37.62"N	82°39'47.94"E
17	24°58'39.68"N	82°39'45.63"E
18	24°58'48.52"N	82°39'44.25"E
19	24°59'0.89"N	82°39'49.86"E
20	24°59'12.52"N	82°39'57.77"E
21	24°59'36.31"N	

Average height of (a) TPP site, (b) ash pond site etc above MSL(m)		82°39'57.84"E
	22	24°59'42.80"N 82°39'55.48"E
	23	24°59'48.80"N 82°40'4.67"E
	24	24°59'53.60"N 82°40'2.03"E
	25	24°59'56.49"N 82°40'9.78"E
	26	25° 0'1.35"N 82°40'14.57"E
	27	25° 0'6.56"N 82°40'17.38"E
	28	25° 0'4.58"N 82°40'23.19"E
	29	25° 0'9.45"N 82°40'25.50"E
	30	25° 0'10.07"N 82°40'24.11"E
	31	25° 0'14.85"N 82°40'26.43"E
	32	25° 0'14.09"N 82°40'28.29"E
	33	25° 0'15.05"N 82°40'28.98"E
	34	25° 0'9.57"N 82°40'42.06"E
	35	25° 0'10.76"N 82°40'42.96"E
	36	25° 0'4.33"N 82°40'49.13"E
	37	25° 0'0.20"N 82°40'46.22"E
	38	24°59'58.98"N 82°40'51.13"E
	39	24°59'57.20"N 82°40'50.02"E
	40	24°59'54.74"N 82°40'55.39"E
	41	24°59'49.00"N 82°40'51.94"E
	42	24°59'45.52"N 82°40'55.23"E
	43	24°59'43.90"N 82°40'53.55"E

	a) 198 m above MSL. b) 195 m above MSL.
Accredited Consultant and certificate no.	Gaurang Environmental Solutions Pvt. Ltd. NABET Accreditation No.: NABET / EIA / 2023/SA0203
Inter- state issue involved	No
Seismic zone	Zone-III as per IS 1893.

• **Land Area Breakup:**

Land Requirement:	365.19 ha.
a) TPP Site	85.80 ha
b) Ash Pond	49.37 ha
c) Township	11.57 ha
d) Railway Siding & Others	64.14
e) Raw Water Reservoir	33.18 ha
f) Green Belt	120.51 ha
g) others	0.62
Total (if expansion state additional land requirement)	Total: No additional land is required.
Status of Land Acquisition:	The land required for proposed project is already under possession except Govt. & Forest like area (Jhari)
Status of the project: If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion. If under operation phase, date of commissioning (COD) of each unit. Whether the plant was under shutdown since commissioning, details and reasons.	Proposed project is at planning stage and no construction activities have been commenced at the site.



Break-Up of land-use of TPP site:	
a) Total land required for project components b) Private land c) Government land Forest Land	Total Project Land: 365.19 ha <ul style="list-style-type: none"> • Private Land: 364.57 ha • Forest Land: 0.62 ha (Application was submitted for same area but after the Joint inspection of DFO (Forest Office) & SDM (Revenue) was held on 03.04.2024 confirming that the above area is Non-Forest Land. This area will be used for plantation / green belt purposes only.)
Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof:	No, the district doesn't fall under CPA.
CRZ Clearance	Not Applicable
Whether the project is in the Critically Polluted Area (CPA)/Severely Polluted Area (SPA) or within 10 km of CPA. If so, the details thereof:	No, the district doesn't fall under CPA/SPA.

• **Presence of Environmentally Sensitive areas in the study area:**

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Reserve Forest/Protected Forest Land	Yes	Mirzapur RF is Adjacent to Plant Boundary. Danti RF is Adjacent to Plant Boundary. No National Park, Sanctuary, Elephant/Tiger Reserve, or migratory routes/wildlife corridor exists within 15 km of the power station. Temples and BHU (South Campus) are existing within 15 km from project site.
National Park	No	
Wildlife Sanctuary	No	
Archaeological sites monuments/historical temples etc	No	
Names & distance of National parks, Wildlife sanctuaries, Biosphere reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary.	No	



Availability of Schedule-I species in study area	No	-
Additional information (if any)	-	-

• **Project description:**

If expansion, the details of ECs (including amendments and extension of validity) of existing Units etc.	Ministry of Environment, Forest & Climate Change (MoEFCC) had granted Environmental Clearance for 1320 (2x660) MW vide F. No: J-13012/12/2011-IA II(T) dated 21.08.2014 and name changed to Welspun Energy UP Pvt. Ltd. (WEUPPL) to Mirzapur Thermal Energy UP Pvt. Ltd. (MTEUPPL) Vide Letter No. F. No: J-13012/12/2011-IA II(T) dated 20.12.2019.
Chronology of the Project	
Amendments granted, if Yes details	Not applicable
Expansion / Green Field (new): (IPP / Merchant / Captive):	Green Field (De Novo) 1600 (2x800) MW (IPP), EC is already obtained (2x660), TPP construction is yet to be started.
If expansion, the date of latest monitoring done by the Regional Office (R.O) of MoEF&CC for compliance of the conditions stipulated in the environmental and CRZ clearances of the previous phases.	Proposed project is green field (De Novo) project. CRZ clearance is not applicable.
Specific webpage address where all EC related documents (including monitoring and compliance related reports/documents) of the specific project under consideration are/will be available. Also contact details of PP's officer responsible for updating this webpage/information.	https://www.adanipower.com/ & https://parivesh.nic.in/
Cost of the Project (As per EC and revised): Cost of the proposed activity in the amendment:	Rs.18,300 Cr.



Employment Potential for entire project/plant and employment potential for the proposed amendment (specify number of persons and quantitative information).	Approx. 450 employees (250 Nos Direct and 200 Nos Indirect) during the construction phase (60 Months) and 300 employees (275 Nos. Direct and 25 Nos. Indirect) during operational phase (25 years) are expected excluding Labour.
Benefits of the project (specify quantitative information)	<p>The proposed project will improve the power supply position in the state as well as in India, which is vital for economic growth as well as improving the quality of life.</p> <ul style="list-style-type: none"> • Infrastructure development. • Direct & indirect employment opportunity • Revenue generation to central & state government. • Trickle-down effect of enhance profitability to the local populace. • Skill development and capacity building like vocational training, income generation programmes and entrepreneurship development program • Awareness programme and community activities, like health camps, medical aides, family welfare camps, sanitization/ cleanliness awareness programme, immunization camp, sports & cultural activities, plantation, etc. • Awareness about water borne diseases and pandemic diseases etc. will be done to local villagers. • The project will also attract the high-income groups to invest in the region and thus bring about economic growth of the region.
Status of other statutory clearances	PP has already applied for Forest clearance/approval for Land Diversion of 8.3581 Ha. [FP/UP/THE/14236/2015] & 4.0123Ha. [FP/UP/OTHERS/470227/2024].
R&R details	Not applicable

- **Electricity generation capacity:**

Capacity & Unit Configurations:	1600 MW, Configured as 2 x 800 MW
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- **Details of fuel and Ash disposal:**

Fuel to be used:	Coal and Auxiliary Fuel
Quantity of Fuel required per Annum:	Coal - 6.4 Million MTPA Auxiliary Fuel- 15000 KL per annum
Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)	Coal for the Proposed project will be Domestic coal from commercial Coal Mines of NCL / SECL / CCL & Commercial Coal Mines. (Design Coal GCV of 3200-4300 KCal/kg.). Auxiliary liquid fuels, viz. LDO/HSD requirement per annum is about 15000 kilo liters.
Details of mode of transportation of coal from coal source to the plant premises along with distances	Coal shall be received from Mine to TPP through BG Rail Wagons. Total distance from the source to Rail: about 250 - 550 km.
Fly Ash Disposal System Proposed	Fly ash will be collected in dry form for utilization, while bottom ash will be collected in wet form. There would be provision for dry disposal of fly ash from storage silos to closed tankers for utilization in cement industries, abandoned mine reclamation, road construction, aggregate replacement in concrete, for manufacturing bricks, etc. as per Fly Ash Notification, 31st December' 2021 and amendments. Provision would be kept for HCSD disposal of both bottom and fly ash to ash pond in case of exigency. In this case, both bottom ash and fly ash will be disposed through HCSD system to the proposed ash dyke.

a) Ash Pond / Dyke: (Area, Location & Co-ordinates) Average height of area above MSL (m)	Area-49.37 ha 25° 0'1.67"N 82°40'33.12"E 195 m above MSL.
b) Space left in ash dyke area	Area- 49.37 ha
Quantity of	10,035 TPD
a) Fly Ash to be generated	8028 TPD
b) Bottom Ash to be generated:	2007 TPD
Fly Ash utilization percentage with details in last 5 years	No fly ash generated in last five years as this is a green field (De Novo) project
Stack Height (m) & Type of Flue	120 (m) (new) Bi Flue

• **Water Requirement:**

Source of Water:	Ganga river The water will be drawn from River Ganga to Upper Khajuri Dam and from Upper Khajuri Dam to plant site through pipeline of about 32.6 km in length.
Quantity of water requirement:	28 MCM/ Annum
Distance of source of water from Plant:	32.6 Km (from Ganga river)
Whether barrage/ weir/ intake well/ jack well/ others proposed:	Yes Intake well is proposed for the project.
Mode of conveyance of water:	Pipeline
Status of water linkage:	WRD permission. The water drawl permission of 36 MCM/year is obtained from WRD Uttar Pradesh Vide letter no. 3613/11-27-C.0-4-174/11 dated 09.10.2011.
(If source is Sea water) Desalination Plant Capacity	NA
Mode / Management of Brine:	NA
Cooling system	Induced draft cooling system

• **Court case details/violation:**

Any litigation/ Court Case pertaining to the project	Regulatory & Non-regulatory Court Cases are under hearing & Consideration and reserved for
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	<p>judgment.</p> <p>In December' 2016, NGT judgement set aside the EC of the 1320 MW TPP at Mirzapur and vide their judgment in May'2017, that Project proponent is at liberty to approach the MoEF&CC or any other competent authority for processing of the applications for grant of EC upon making up for rectifying the defects and deficiencies pointed out in the judgment. However, the authorities concerned are at liberty to process the same in accordance with law while strictly adhering to the content of the judgment.</p>
Is the proposal under any investigation? If so, details thereof.	No
Any violation case pertaining to the project on following:	No
i. The Environment Protection Act, 1986 ii. The Forest (Conservation) Act, 1980. iii. The Wild Life (Protection) Act, 1972	
Additional information (if any)	-

- ix. The estimated project cost is Rs. 18,300 Cr. Total capital cost earmarked towards environmental pollution control measures is Rs. 3012.39 Cr. and the Recurring cost (operation and maintenance) will be about Rs 3.0 Cr per annum considering EMP.
- x. Total Employment will be 275 persons as direct & 25 persons as indirect. Industry proposes to allocate Rs. 48.5 Cr. towards CER (as per Ministry's OM dated 30.09.2020).
- xi. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site except Reserved forests, temples and BHU (South Campus) exist within the study area from the project site. Upper Khajuri Dam is at a distance of 6.0 km in the WEST direction and few other water bodies exist within the study area from the project site



- xii. Effluent of 1080 KLD quantity will be treated through STP & ETP. The plant will be based on a Zero Liquid discharge system.
- xiii. Power requirement after will be 7.5 and will be met from self-generation, i.e. AUX consumption. The existing unit has no DG sets, additionally, no DG sets are used as standby during power failure. Stack (height-movable DG sets) will be provided as per CPCB norms for the proposed DG sets.
- xiv. The existing unit has no boiler. Additionally, a 585 TPH coal-fired boiler will be installed. Electrostatic precipitator (ESP), NO_x Control system and Flue gas desulphurisation system (FGD) with a stack height of 120 m will be installed for controlling particulate emissions within the statutory limit of 30 mg/Nm³ for proposed boilers.
- xv. Details of Solid waste/ Hazardous waste generation and its management are given below.

Name of the waste	Source	Quantity (TPA)	Mode of Disposal	Mode of Transportation
Used/Spent oil	Plant Operation	60	Registered Recyclers/ Pre-processors with SPCB	Road
Wastes or residues containing oil	Plant Operation	10	Send to authorized recyclers	Road
Empty barrels/container/ contaminated liners	Plant Operation	12	Send to authorized recyclers	Road

- xvi. **Ash Pond area:** As per MoEF&CC Notification S.O. 5481(E) dated 31.12.2021 and amendments stipulated ash pond area for thermal power plant 0.1 hectare per Mega Watt (MW). The proposed power plant has total ash pond area 49.37 ha i.e. 13.51% of the total project area 365.19 ha which is well within the norms.
- xvii. **Water Requirement:** Water consumption for thermal power plants as per MoEF&CC vide Notification S.O. 3305 (E) dated 07.12.2015 for all existing CT based plants reduce specific water consumption upto maximum of 3.5 m³/MWh and as per MoEF&CC stipulated norms vide Notification GSR 593 (E) dated 28.06.2018 water allocated to the thermal power plant is 3 m³/MWhr for new

plants installed after the 1st January, 2017. The total water requirement for the project is 3200 m³/h, (2m³/MWh) which will be well within the stipulated norms of Notification dated 07.12.2015/28.06.2018.

- xviii. The water drawl permission of 36 MCM/year is obtained from WRD Uttar Pradesh Vide letter no. 3613/11-27-C.0-4-174/11 dated 09.10.2011.
- xix. **Details of Coal Linkage:** Coal for the Proposed project will be Domestic coal from commercial Coal Mines of NCL / SECL / CCL & Commercial Coal Mines.
- xx. Status of Litigation Pending against the proposal, if any.

Court name	Bench	Case Category	Status	Orders Directions
Local Court	Local Court	WP(Civil)	Reserved for judgement	Regulatory and Non Regulatory court caes are under hearing & consideration.
NGT court Case	NGT, Principal Bench, Delhi	Appeal	Disposed Off.	In December' 2016, NGT judgement set aside the EC of the 1320 MW TPP at Mirzapur and vide their judgment in May 2017, that Project proponent is at liberty to approach the MoEFCC or any other competent authority for processing of the applications for grant of EC upon making up for rectifying the defects and deficiencies pointed out in the judgment. However, the authorities concerned are at liberty to process the same in accordance with law while strictly adhering to the content of the judgment.

10.3.3 The EAC during deliberations noted the following:

- 1) The proposal is for the grant of Terms of Reference (ToR) to 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL). The committee noted that earlier, M/s. Welspun Energy UP Pvt. Ltd. (WEUPPL) proposed to set up a 2x660 MW Super Critical Coal-based thermal power plant and MoEF&CC granted EC for 1320 (2x660) MW vide letter no. F. No: J-13012/12/2011-IA II(T) dated 21.08.2014 and subsequently, name changed to Welspun Energy UP Pvt. Ltd. (WEUPPL) to Mirzapur Thermal Energy UP Pvt. Ltd. (MTEUPPL) vide Letter No. F. No: J-13012/12/2011-IA II(T) dated 20.12.2019.
- 2) It was noted by the EAC that in 2016, Hon'ble NGT, Principal Bench, Delhi vide Judgement dated 21.12.2016 set aside the Environmental Clearance (EC) dated 21.08.2014. Further, in the Judgement dated 01.05.2017, it was clarified that "the Project Proponent is at liberty to approach the MoEF&CC or any other competent authority for the processing of the application for grant of EC upon making up for rectifying the defects and deficiencies pointed out in the judgement". Accordingly, PP applied for amendment in EC in 2019 but the same was not issued due to non-submission of the Stage-I FC.
- 3) It was observed by the committee that as per the KML file, no construction work has been started yet and now PP has proposed a thermal power plant with a change in capacity from 2x660 MW to 2x800 MW for obtaining prior environmental clearance (De Novo).
- 4) The Committee also deliberated on the land use and observed that previous EC was granted over an area of 354.1 Ha (875 acres as per EC dated 21.08.2014) but now the proposal is for 365.19 Ha. The EAC deliberated on land use pattern and PP informed that the area is barren land, further EAC asked PP to submit existing Land Use pattern of the Project Site. Accordingly, PP vide letter dated 10.06.2024 submitted the following:

The proposed Land area for the project is 365.19 Ha. Land as per Government of Uttar Pradesh land records and land use details are as under:

Sl. No.	Type of Land	Area (in ha)	Remarks
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i.	Industrial Land (Private Land converted for industrial use.) Currently the land is barren and under possession.	333.19	Land use map prepared using satellite imagery and GIS is enclosed as Annexure – I. Copy of order & summary of land documents is enclosed as Annexure – II. Based on the Land allotment and Land converted for industrial purpose by order of District Magistrate, Sadar Mirzapur, Govt. of U.P Order dated: 05.11.2012.
ii.	Govt. Land	31.38	Application for land allotment was submitted on dated 22.03.2024 & 22.05.2024. Copy of receipt the application is enclosed Annexure - III.
iii.	Forest like area	0.62	The application was submitted for diversion of forest area (forest-like area) but after the Joint inspection of DFO (Forest Office) & SDM (Revenue) held on 03.04.2024, it was confirmed that the above area is Non-Forest Land. Copy of Joint inspection report enclosed Annexure - IV. However, as per the directions of Hon'ble committee members, this area will be used for plantation / green belt purposes only

The Committee observed that PP has reported an area of 0.62 Ha (forest land) inside the plant boundary but at the same time applied for FC over an area of 4.0123 vide proposal No FP/UP/OTHERS/470227/2024 dated 22/04/2024. Further, PP submitted that application was submitted for the same area (0.62 Ha) but after joint inspection of DFO (Forest Office) & SDM (Revenue) was held on 3.04.2024 confirming that the above area is non-forest land. In addition to this PP also reported in PFR that there is a forest involvement in water pipeline

(5.8162 ha) and approach road (2.5419 ha). Stage I Forest Clearance has already been applied for this vide Proposal no. FP/UP/THE/14236/2015 and the same is under due consideration with MoEF&CC. The Committee is of the view that although PP has submitted a copy of joint inspection report but for more clarity PP shall obtain a letter in this regard from concerned forest department clearly mentioning the extent of forest land involved within and outside (other activities related to plant) plant area. The EAC also suggested that while preparing the EIA/EMP report, PP shall explore the possibility of optimizing forest land requirement to the extent possible and submit a detailed note on the same at the time of EC presentation. In case of any increase in forest land PP shall obtain the amendment in ToR.

- 5) PP showed the KML file and Topo-Sheet of the project area. The Committee observed that as per KML the area is barren land but some water bodies/nallha passing through the project area. The Committee therefore asked the PP to submit a drainage map with contours. PP vide letter dated 10.06.2024 submitted project area drainage map with contour. The Committee is of the view that PP shall submit a plan for diversion of nallha/water body, if any, involved in the project. PP shall also obtain the permission for such diversion from the concerned authorities.
- 6) The Committee observed that PP has submitted that Coal for the proposed project will be Domestic coal from commercial Coal Mines of NCL / SECL / CCL & Commercial Coal Mines. But PP has not submitted the quantity of coal that will be used for the proposed plant, accordingly, PP vide email dated 10.06.2024 submitted that the annual requirement of coal is estimated to be about 6.4 million MTPA for Ultra Super Critical Boiler based TPP (2x800 MW) Coal from Coal Mines of NCL / SECL & Commercial Coal Mines. The Coal will be transported through Rail as per the rules, regulations & terms/conditions of the Indian Railway for transportation of Coal. The Committee is of the view PP shall submit the firm coal linkage, quality of coal and propose mitigative measures in the EIA/EMP report after referring to the OMs issued by MoEF&CC in this regard.
- 7) The Committee also observed that PP has submitted a PPT for expansion but it's a green field project and asked the PP to submit the revised PPT. PP vide email dated 10.06.2024 submitted the revised PPT and basic information.
- 8) Further, the EAC noted that the total water requirement for the expansion project is 3200 m³/h (~2 m³ /MWh), which is well within the stipulated limits mentioned in the Notification dated 28.06.2018. The water drawl permission of 36 MCM/year is obtained from WRD Uttar Pradesh Vide letter no. 3613/11-27-C.0-4-174/11 dated 09.10.2011.
- 9) Additionally, the Committee noted that total power generation will be 1600 MW

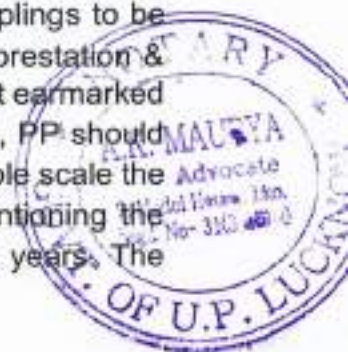
(2x800 MW). Further, as per MoEF&CC Notification S.O. 5481(E) dated 31.12.2021 and amendments stipulated ash pond area for the thermal power plant is 0.1 hectare per Mega Watt (MW), which works out to be 160 Ha. The proposed power plant has a total ash pond area of 49.37 ha i.e. 13.51% of the total project area 365.19 ha which is well within the area suggested as per Notification dated 31.12.2021.

- 10) The Committee is also of the view that PP while preparing the EIA/EMP Report and conducting Public consultation shall take into account, the deficiency pointed out by the Hon'ble NGT Judgment 21.12.2016.

10.3.4 The EAC after detailed deliberation on the information submitted and as presented during the meeting **recommended** the proposal for grant of Standard ToR for conducting an EIA study with Public Consultation (Public Hearing and Written submission) to the project for the construction of the 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL), under the provisions of the EIA Notification, 2006, as amended along with the following additional/specific ToR:

[A] Environmental Management and Biodiversity Conservation

1. A Cumulative Environmental Impact Assessment study of all the existing and proposed projects in the 15-km radius of the proposed project shall be conducted and the same shall be included the in EIA/EMP report. Details of industrial units present in 15 Km radius of the power plant shall be submitted.
2. Radioactivity studies along with coal analysis to be provided (sulphur, ash percentage and heavy metals including Pb, Cr, As and Hg). Details of auxiliary fuel, if any including its quantity, quality, storage, etc should also be given.
3. A comparative chart shall be prepared with changes observed from the previous baseline study and present baseline study.
4. PP should submit the detailed plan in tabular format (year-wise for the life of the project) for concurrent afforestation and green belt development in and around the project site. The PP should submit the number of saplings to be planted, names of native species, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. In addition to this, PP should show on a surface plan (5- year interval for life of project) of suitable scale the area to be covered under afforestation & green belt clearly mentioning the latitude and longitude of the area to be covered during each 5 years. The



capital and recurring expenditure to be incurred needs to be submitted. Plantation plan should be prepared in such a way that 80% of the plantation to be carried out in first 5 years and for the remaining years the proposal for gap filling. The seedling of height not less than 2 meters to be selected and accordingly cost of plantation needs to be decided. In addition to this, plantation in the safety zone at project boundary the plantation should be planned in such a way that it should be completed within 2 years only.

5. Action plan for development of Three tier plantation programme (33% of total project cover area) along the periphery of the project boundary shall be provided. Plan shall be duly approved by the local forest department.
6. A detailed plan need to be submitted for undertaking extensive green plantation within 10 km radius of the plant focusing on water reservoir, school, hospital and other institutional area and same need to be incorporated in EIA/EMP report.
7. Detailed action plan shall be prepared for maintenance of air pollution control equipment for proposed and existing units and shall be incorporated in EIA/EMP report.
8. Details of Ash management of 5-year plan for 100 % ash utilization for proposed project shall be submitted. MoU signed for ash utilization with companies shall be submitted.
9. Details of Ash handling system along with the supplementary coal handling system shall be submitted.
10. Proper protection measures like HDPE lining, appropriate height of bund and adequate distance between the proposed Ash pond and water body (minimum 60 meters) etc. shall be planned to reduce the possibility of mixing leachate with any freshwater body for under-construction ash pond. A high-density Slurry disposal plan shall be prepared. The design of the same should as per CEA/CPCB guidelines.
11. Pond and ground water quality (10 locations within 2 km radius of the plant boundary) shall be studied and report be submitted along with EIA/EMP. Action plan for Ground water monitoring stations on all hotspots like schools/hospitals within 2 km radius of the plant boundary be submitted. Baseline Study for Heavy metals in Groundwater, Surface water and soil to be carried out and incorporated in EIA/EMP report. This is in addition to the regular baseline study of the study area.
12. Details pertaining to water source, treatment and discharge should be




provided.

13. Zero Liquid Discharge plan shall be submitted.
14. PP shall submit action plan for using treated Sewage/Domestic wastewater for its operations.
15. Project Proponent to conduct Environmental Cost Benefit Analysis for the project in EIA/EMP Report.
16. An action plan shall be prepared for Water shed development within a 10 km radius of the plant boundary in consultation with a reputed government institution and incorporated in the EIA/EMP report. This should include recharge of ground water in the surrounding area of the plant.
17. PP should clearly bring out that what is the specific diesel consumption ~ (Liters/Tonne of total material handled) and steps to be taken for reduction of the same. The year-wise target for reduction in the specific diesel consumption needs to be submitted. PP shall also explore the possibility of using e-vehicles/LNG/CNG-based machinery and trucks for the operation and transportation of Coal and ash.
18. PP shall submit a plan for diversion of nallah/water body if any involved in the project. PP shall also obtain the permission for such diversion from the concerned authority.
19. PP shall obtain a letter from concerned forest department clearly mentioning the extent of forest land involved within and outside (other activities related to plant) plant area.
20. While preparing the EIA/EMP report, PP shall explore the possibility of optimizing forest land requirement to the extent possible and submit a detailed note on the same at the time of EC presentation. In case of any increase in forest land PP shall obtain the amendment in ToR.
21. List of Schedule-1 species needs to be authenticated by the concerned forest department.
22. PP shall submit the firm coal linkage, quality of coal and propose mitigative measures in the EIA/EMP report after referring to the OMs issued by MoEF&CC in this regard.

[B] Disaster Management

1. A Disaster Management Plan shall be prepared and incorporated in the



EIA/EMP report.

[C] Socio-economic Study

1. The Public Health Delivery Plan including the provisions for drinking water supply for the local population shall be in the EIA/EMP Report. The status of the existing medical facilities in the project area shall be discussed. Possibilities of strengthening of existing medical facilities, construction of new medical infrastructure etc. will be explored after assessing the needs of the labour force and local populace.
2. Public consultation (Public Hearing and Written submission) shall be conducted as per the provisions of EIA Notification, 2006 (as amended) and OM's issued in this regard by MoEF&CC.
3. As per the Ministry's OM dated 30.09.2020, to address the concern raised during the Public Hearing, the Project Proponent is required to submit the detailed activities proposed with year-wise budgetary provision (Capital and recurring) for at least 10 years. Activities proposed shall be part of EMP. Tentative no. of project-affected families (if any) shall be identified and accordingly appropriate Rehabilitation & Resettlement plan shall be prepared. The recommendation Socio-economic study may also be considered while planning the activities & budget. In addition to this issues raised during previous PH shall also be taken into account.
4. Demographic details in 10 km area shall be submitted.

[D] Miscellaneous

1. Plot the wind rose diagram using the typical meteorological year (TMY) data for the period considered for the study. The monitoring units shall be deployed in the field based on the coverage area ratio and direction of the wind. A mathematical model shall be developed for the local site rather than using the standard model available in software for both air & water quality modelling.
2. PP shall align its activities to one/few of the Sustainable Development Goals (SDG) and start working on the mission of net zero by 2050. PPs shall update the same to the EAC.
3. PP shall submit the EIA/EMP report after the plagiarism check using authenticated plagiarism software.
4. Detailed description of all the court cases including all directions given by the

apex and current status of them shall submit.

5. PP should provide in the EIA Report details of all the statutory clearances, permissions, no objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after grant of EC.
6. The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.
7. PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should mention the number and designation of persons to be engaged for the implementation of environmental management plan (EMP). The capital and recurring expenditure to be incurred needs to be submitted.
8. PP should submit the year-wise, activity-wise and time-bound budget earmarked for EMP, occupational health surveillance, and activities proposed to address the issues raised during the Public Hearing. The capital and recurring expenditures to be incurred need to be submitted.
9. Aerial view video of the project site and transportation route proposed for this project shall be recorded through drone and be submitted.
10. PP while preparing the EIA/EMP Report and conducting Public consultation shall take into account, the deficiency pointed out by the Hon'ble NGT Judgment 21.12.2016.

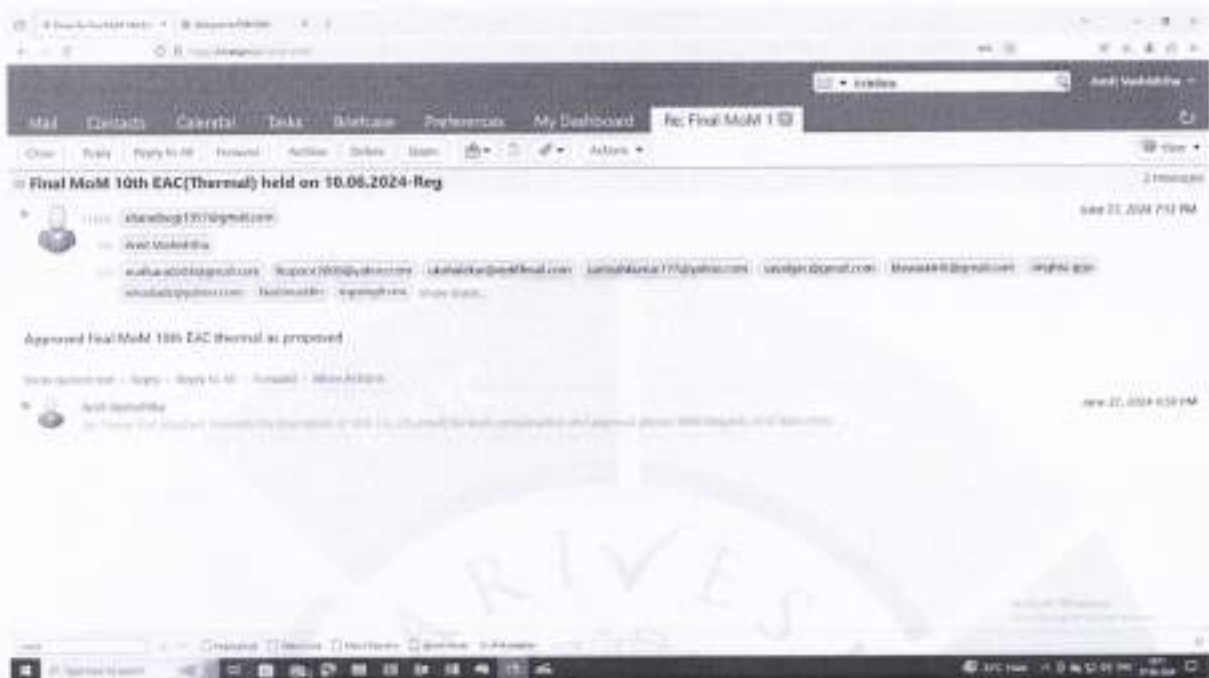
The meeting ended with vote of thanks to the Chair.



Annexure

S. No.	Name & Address	Role	Attendance
1.	Dr. Sharad Singh Negi (I.F.S. Retd.)	Chairman	Present
2.	Shri Inder Pal Singh Matharu, IFS (Retd.)	Member	Present
3.	Shri Lalit Kapur	Member	Present
4.	Dr. Umesh Jagannathrao Kahalekar	Member	Present
5.	Dr. Santosh Kumar Hampannavar	Member	Present
6.	Shri Savalge Chandrasekhar	Member	Present
7.	Shri K. B. Biswas	Member	Present
8.	Prof. Shyam Shanker Singh	Member	Absent
9.	Dr. Vinod Agrawal	Member	Present
10.	Dr Nazimuddin, Scientist - F	Representative of Central Pollution Control Board	Present
11.	Shri Mahi Pal Singh, Chief Engineer	Representative of Central Electricity Authority (CEA)	Present
12.	Shri Harmeet Sahaney	Representative of Indian Meteorological Department (IMD)	Absent
13.	Prof. R M Bhattacharjee	Representative of IIT/ISM Dhanbad	Absent
14.	Shri Amit Vashishtha	Member Secretary	Present
MOEF&CC			
1.	Dr. Mohit Saxena	Sc'D'	Present



APPROVAL OF THE CHAIRMAN




सत्यमेव जयते



Dated 29/07/2024



To,

Sh. Santosh Kumar Singh

M/s MIRZAPUR THERMAL ENERGY (UP) PRIVATE LIMITED

Mirzapur Thermal Energy (UP) Private Limited, Adani Corporate House, Shantigram, Near Vaishno

Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382 421, Gujarat, India, Ahmedabad,

AHMADABAD, GUJARAT, ACH, Shantigram, Vaishnodevi Circle, S.G Highway., 382421

E-mail: mirzapur.env@gmail.com

Subject:

Proposal of 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by M/s Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL). – Grant of Terms of Reference - regarding

Sir/Madam,

This is in reference to your application for Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding in respect of project 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL). submitted to Ministry vide proposal number IA/UP/THE/467671/2024 dated 08/05/2024.

2. The particulars of the proposal are as below :

(i) TOR Identification No.	TO24A0601UP5665287N
(ii) File No.	J-13012/12/2011-IA.II (T)
(iii) Clearance Type	TOR
(iv) Category	A
(v) Project/Activity Included Schedule No.	1(d) Thermal Power Plants
(vi) Sector	Thermal Projects
	2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL).
(vii) Name of Project	
(viii) Name of Company/Organization	M/s MIRZAPUR THERMAL ENERGY (UP)

(ix) Location of Project (District, State)	PRIVATE LIMITED MIRZAPUR, UTTAR PRADESH
(x) Issuing Authority	MoEF&CC
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. M/s Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL) has made an application online vide proposal no IA/UP/THE/467671/2024 dated 08/05/2024 in the prescribed format (Form-I) and submitted a pre-feasibility report for undertaking a detailed EIA study as per the EIA Notification, 2006 for grant of Terms of Reference (ToR) to 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by M/s Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL).

4. The project/activity is covered under category A of item 1(d) 'Thermal Power Plants' of the Schedule to the Environmental Impact Assessment (EIA) Notification, 2006, as amended as the power generation capacity of proposed expansion is beyond threshold capacity of 500MW i.e. 2 x 800 MW (1600 MW) and requires appraisal at Central level.

5. The instant Proposal was considered in the 10th EAC (Thermal) meeting held on 10th June 2024. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

Details submitted by the project proponent

6. Project Proponent along with the QCI NABET consultant M/s. Gaurang Environmental Solutions Pvt. Ltd made the detailed presentation and apprised following to the EAC:

i. Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL) is proposed to setup a coal based Ultra Super Critical Technology Thermal Power Project (USCTPP) of 1600(2X800) MW in Village Dadri Khurd, District Mirzapur, State Uttar Pradesh.

ii. Previously, M/s. Welspun Energy UP Pvt. Ltd. (WEUPPL) proposed to set up 2x660 MW Super Critical Coal based thermal power plant at Village Dadri Khurd, Tehsil Mirzapur, Uttar Pradesh. The Ministry of Environment, Forest & Climate Change (MoEFCC) had granted Environmental Clearance for 1320 (2x660) MW vide F. No: J-13012/12/2011-IA II(T) dated 21.08.2014 and subsequently, name changed to Welspun Energy UP Pvt. Ltd. (WEUPPL) to Mirzapur Thermal Energy UP Pvt. Ltd. (MTEUPPL) Vide Letter No. F. No: J-13012/12/2011-IA II(T) dated 20.12.2019.

iii. Earlier, Hon'ble NGT, Principal Bench, Delhi in their judgement dated 21.12.2016 set aside the Environmental Clearance (EC) dated 21.08.2014. Further, in Judgement dated 01.05.2017, a clarification was issued, that "the Project Proponent is at liberty to approach the MoEF&CC or any other competent authority for processing of the application for grant of EC upon making up for /rectifying the defects and deficiencies pointed out in the judgement".

iv. MTEUPPL had submitted the revised Form-I & supporting documents - Study Reports as suggested by MoEFCC for EC amendment, which was appraised by the EAC (Thermal Power) in its meetings held on 24.07.2017 and 22.02.2019. The EAC in its meeting held on 22.02.2019 recommended for EC amendment.

v. The MoEFCC vide letter no. J-13012/ 12/2011-IA.II(T) dated: 20.12.2019 suggested for providing/submitting the Stage-I Forest Clearance for further issuance of EC amendment letter. MTEUPPL had not submitted the same and the EC amendment letter was not issued. PP now submitted a fresh proposal for EC.

vi. Pre-Construction activities & Planning has been completed and construction work not started yet.

vii. Now the proposal has changed from 2x660 MW to 2x800 MW and almost 10 years have lapsed, a new reference (De Novo) is being made through this application for grant of ToR.

viii. The salient features of the project are as under:-

Project Details

S. No.	Particulars	Details
i.	Category of the project	A
ii.	Capacity	1600 (2 X 800) MW
iii.	Location of TPP	Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh
iv.	Average height	(a) TPP site: 198 m above MSL (b) Ash pond site: 195 m above MSL.
v.	Accredited Consultant and certificate no.	M/s Gaurang Environmental Solutions Pvt. Ltd. NABET Accreditation No.: NABET / EIA / 2023/SA0203
vi.	Inter- state issue involved	No
vii.	Seismic zone	Zone-III as per IS 1893.

Land Area Breakup:

Land Requirement:	365.19 ha.
a) TPP Site	85.80 ha
b) Ash Pond	49.37 ha
c) Township	11.57 ha
d) Railway Siding & Others	64.14
e) Raw Water Reservoir	33.18 ha
f) Green Belt	120.51 ha
g) others	0.62
Total (if expansion state additional land requirement)	Total: No additional land is required.
Status of Land Acquisition:	The land required for proposed project is already under possession except Govt. & Forest like area (Jhari)
Status of the project:	Proposed project is at planning stage and no construction activities have been commenced at the site.
If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion.	
If under operation phase, date of commissioning (COD) of each unit, Whether the plant was under shutdown since commissioning, details and reasons.	
Break-Up of land-use of TPP site:	Total Project Land: 365.19 ha
a) Total land required for project components	- Private Land: 364.57 ha
b) Private land	- Forest Land: 0.62 ha
c) Government land Forest Land	(Application was submitted for same area but after the Joint inspection of DFO (Forest Office) & SDM (Revenue) was held on 03.04.2024 confirming that the above area is Non-Forest Land. This area will be used for plantation / green belt purposes only.)
Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof.	No, the district doesn't fall under CPA.
CRZ Clearance	Not Applicable
Whether the project is in the Critically Polluted Area (CPA)/Severely Polluted Area (SPA) or within 10 km of CPA. If so, the details thereof:	No, the district doesn't fall under CPA/SPA.

Details of fuel and Ash disposal:

Fuel to be used:	Coal and Auxiliary Fuel
Quantity of Fuel required per Annum:	Coal - 6.4 Million MTPA Auxiliary Fuel- 15000 KL per annum
Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)	Coal for the Proposed project will be Domestic coal from commercial Coal Mines of NCL / SECL / CCL & Commercial Coal Mines. (Design Coal GCV of 3200-4300 KCal/kg.). Auxiliary liquid fuels, viz. LDO/HSD requirement per annum is about 15000 kilo liters.
Details of mode of transportation of coal from coal source to the plant premises along with distances	Coal shall be received from Mine to TPP through BG Rail Wagons. Total distance from the source to Rail: about 250 - 550 km.
Fly Ash Disposal System Proposed	Fly ash will be collected in dry form for utilization, while bottom ash will be collected in wet form. There would be provision for dry disposal of fly ash from storage silos to closed tankers for utilization in cement industries, abandoned mine reclamation, road construction, aggregate replacement in concrete, for manufacturing bricks, etc. as per Fly Ash Notification, 31st December' 2021 and amendments. Provision would be kept for HCSD disposal of both bottom and fly ash to ash pond in case of exigency. In this case, both bottom ash and fly ash will be disposed through HCSD system to the proposed ash dyke.
a) Ash Pond / Dyke: (Area, Location & Co-ordinates) Average height of area above MSL (m)	Area-49.37 ha 25° 0'1.67"N 82°40'33.12"E 195 m above MSL.
b) Space left in ash dyke area	Area- 49.37 ha
Quantity of	10,035 TPD
a) Fly Ash to be generated	8028 TPD
b) Bottom Ash to be generated:	2007 TPD
Fly Ash utilization percentage with details in last 5 years	No fly ash generated in last five years as this is a green field (De Novo) project
Stack Height (m) & Type of Flue	120 (m) (new) Bi Flue

ix. The estimated project cost is Rs. 18,300 Cr. Total capital cost earmarked towards environmental pollution control measures is Rs. 3012.39 Cr. and the Recurring cost (operation and maintenance) will be about Rs 3.0 Cr per annum considering EMP.

x. Total Employment will be 275 persons as direct & 25 persons as indirect. Industry proposes to allocate Rs. 48.5 Cr. towards CER (as per Ministry's OM dated 30.09.2020).

xi. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site except Reserved forests, temples and BHU (South Campus) exist within the study area from the project site. Upper Khajuri Dam is at a distance of 6.0 km in the WEST direction and few other water bodies exist within the study area from the project site.

xii. Effluent of 1080 KLD quantity will be treated through STP & ETP. The plant will be based on a Zero Liquid discharge system.

xiii. Power requirement after will be 7.5 and will be met from self-generation, i.e. AUX consumption. The existing unit has no DG sets, additionally, no DG sets are used as standby during power failure. Stack (height-movable DG sets) will be provided as per CPCB norms for the proposed DG sets.

xiv. The existing unit has no boiler. Additionally, a 585 TPH coal-fired boiler will be installed. Electrostatic precipitator (ESP), NOx Control system and Flue gas desulphurisation system (FGD) with a stack height of 120 m will be installed for controlling particulate emissions within the statutory limit of 30 mg/Nm³ for proposed boilers.



xv. Details of Solid waste/ Hazardous waste generation and its management are given below-

Name of the waste	Source	Quantity (TPA)	Mode of Disposal	Mode of Transportation
Used/Spent oil	Plant Operation	60	Registered Recyclers/ Pre-processors with SPCB	Road
Wastes or residues containing oil	Plant Operation	10	Send to authorized recyclers	Road
Empty barrels/container/contaminated liners	Plant Operation	12	Send to authorized recyclers	Road

xvi. Ash Pond area: As per MoEF&CC Notification S.O. 5481(E) dated 31.12.2021 and amendments stipulated ash pond area for thermal power plant 0.1 hectare per Mega Watt (MW). The proposed power plant has total ash pond area 49.37 ha i.e. 13.51% of the total project area 365.19 ha which is well within the norms.

xvii. Water Requirement: Water consumption for thermal power plants as per MoEF&CC vide Notification S.O. 3305 (E) dated 07.12.2015 for all existing CT based plants reduce specific water consumption upto maximum of 3.5 m³/MWh and as per MoEF&CC stipulated norms vide Notification GSR 593 (E) dated 28.06.2018 water allocated to the thermal power plant is 3 m³/MWhr for new plants installed after the 1st January, 2017. The total water requirement for the project is 3200 m³/h, (2m³/MWh) which will be well within the stipulated norms of Notification dated 07.12.2015/28.06.2018.

xviii. The water drawl permission of 36 MCM/year is obtained from WRD Uttar Pradesh Vide letter no. 3613/11-27-C.0-4-174/11 dated 09.10.2011.

xix. Details of Coal Linkage: Coal for the Proposed project will be Domestic coal from commercial Coal Mines of NCL / SECL / CCL & Commercial Coal Mines.

xx. Status of Litigation Pending against the proposal, if any.

Court name	Bench	Case Category	Status	Orders Directions
Local Court	Local Court	WP(Civil)	Reserved for judgement	Regulatory and Non Regulatory court caes are under hearing & consideration.
NGT court Case	NGT, Principal Bench, Delhi	Appeal	Disposed Off	In December' 2016, NGT judgement set aside the EC of the 1320 MW TPP at Mirzapur and vide their judgment in May'2017, that Project proponent is at liberty to approach the MoEFCC or any other competent authority for processing of the applications for grant of EC upon making up for rectifying the defects and deficiencies pointed out in the judgment. However, the authorities concerned are at liberty to process the same in accordance with law while strictly adhering to the content of the judgment.

Deliberations of the Committee

7. The EAC noted the following:

i. The proposal is for the grant of Terms of Reference (ToR) to 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL). The committee noted that earlier, M/s. Welspun Energy UP Pvt. Ltd. (WEUPPL) proposed to set up a 2x660 MW Super Critical Coal-based thermal power plant and MoEF&CC granted EC for 1320 (2x660) MW vide letter no. F. No: J-13012/12/2011-IA II(T) dated 21.08.2014 and subsequently, name changed to Welspun Energy UP Pvt. Ltd. (WEUPPL) to Mirzapur Thermal Energy UP Pvt. Ltd. (MTEUPPL) vide Letter No. F. No: J-13012/12/2011-IA II(T) dated 20.12.2019.

ii. It was noted by the EAC that in 2016, Hon'ble NGT, Principal Bench, Delhi vide Judgement dated 21.12.2016 set aside the Environmental Clearance (EC) dated 21.08.2014. Further, in the Judgement dated 01.05.2017, it was clarified that "the Project Proponent is at liberty to approach the MoEF&CC or any other competent authority for the processing of the application for grant of EC upon making up for rectifying the defects and deficiencies pointed out in the judgement". Accordingly, PP applied for amendment in EC in 2019 but the same was not issued due to non-submission of the Stage-I FC.

iii. It was observed by the committee that as per the KML file, no construction work has been started yet and now PP has proposed a thermal power plant with a change in capacity from 2x660 MW to 2x800 MW for obtaining prior environmental clearance (De Novo).

iv. The Committee also deliberated on the land use and observed that previous EC was granted over an area of 354.1 Ha (875 acres as per EC dated 21.08.2014) but now the proposal is for 365.19 Ha. The EAC deliberated on land use pattern and PP informed that the area is barren land, further EAC asked PP to submit existing Land Use pattern of the Project Site. Accordingly, PP vide letter dated 10.06.2024 submitted the following:

The proposed Land area for the project is 365.19 Ha. Land as per Government of Uttar Pradesh land records and land use details are as under:

S. No.	Type of Land	Area (in ha)	Remarks
a.	Industrial Land (Private Land converted for industrial use.) Currently the land is barren and under possession.	333.19	Land use map prepared using satellite imagery and GIS is enclosed as Annexure - I. Copy of order & summary of land documents is enclosed as Annexure - II. Based on the Land allotment and Land converted for industrial purpose by order of District Magistrate, Sadar Mirzapur, Govt. of U.P. Order dated: 05.11.2012.
b.	Govt. Land	31.38	Application for land allotment was submitted on dated 22.03.2024 & 22.05.2024. Copy of receipt the application is enclosed Annexure - III.
c.	Forest like area	0.62	The application was submitted for diversion of forest area (forest-like area) but after the Joint inspection of DFO (Forest Office) & SDM (Revenue) held on 03.04.2024, it was confirmed that the above area is Non-Forest Land. Copy of Joint inspection report enclosed Annexure - IV. However, as per the directions of Hon'ble committee members, this area will be used for plantation / green belt purposes only

The Committee observed that PP has reported an area of 0.62 Ha (forest land) inside the plant boundary but at the same time applied for FC over an area of 4.0123 vide proposal No FP/UP/OTHERS/470227/2024 dated 22/04/2024. Further, PP submitted that application was submitted for the same area (0.62 Ha) but after joint inspection of DFO (Forest Office) & SDM (Revenue) was held on 3.04.2024 confirming that the above area is non-forest land. In addition to this PP also reported in PFR that there is a forest involvement in water pipeline (5.8162 ha) and approach road (2.5419 ha). Stage I Forest Clearance has already been applied for this vide Proposal no. FP/UP/THE/14236/2015 and the same is under due consideration with MoEF&CC. The Committee is of the view that although PP has submitted a copy of joint inspection report but for more clarity PP shall obtain a letter in this regard from concerned forest department clearly mentioning the extent of forest land involved within and outside (other activities related to plant) plant area. The EAC also suggested that while preparing the EIA/EMP report, PP shall explore the possibility of optimizing forest land requirement to the extent possible and submit a detailed note on the same at the time of EC presentation. In case of any increase in forest land PP shall obtain the amendment in ToR.

v. PP showed the KML file and Topo-Sheet of the project area. The Committee observed that as per KML the area is barren land but some water bodies/nallha passing through the project area. The Committee therefore asked the PP to submit a drainage map with contours. PP vide letter dated 10.06.2024 submitted project area drainage map with contour. The Committee is of the view that PP shall submit a plan for diversion of nallha/water body, if any, involved in the project. PP shall also obtain the permission for such diversion from the concerned authorities.

vi. The Committee observed that PP has submitted that Coal for the proposed project will be Domestic coal from commercial Coal Mines of NCL / SECL / CCL & Commercial Coal Mines. But PP has not submitted the quantity of coal that will be used for the proposed plant, accordingly, PP vide email dated 10.06.2024 submitted that the annual requirement of coal is estimated to be about 6.4 million MTPA for Ultra Super Critical Boiler based TPP (2x800 MW) Coal from Coal Mines of NCL / SECL & Commercial Coal Mines. The Coal will be transported through Rail as per the rules, regulations & terms/conditions of the Indian Railway for transportation of Coal. The Committee is of the view PP shall submit the firm coal linkage, quality of coal and propose mitigative measures in the EIA/EMP report after referring to the OMs issued by MoEF&CC in this regard.

vii. The Committee also observed that PP has submitted a PPT for expansion but it's a green field project and asked the PP to submit the revised PPT. PP vide email dated 10.06.2024 submitted the revised PPT and basic information.

viii. Further, the EAC noted that the total water requirement for the expansion project is 3200 m³/h (~2 m³/MWh), which is well within the stipulated limits mentioned in the Notification dated 28.06.2018. The water drawl permission of 36 MCM/year is obtained from WRD Uttar Pradesh Vide letter no. 3613/11-27-C.0-4-174/11 dated 09.10.2011.

ix. Additionally, the Committee noted that total power generation will be 1600 MW (2x800 MW). Further, as per MoEF&CC Notification S.O. 5481(E) dated 31.12.2021 and amendments stipulated ash pond area for the thermal power plant is 0.1 hectare per Mega Watt (MW), which works out to be 160 Ha. The proposed power plant has a total ash pond area of 49.37 ha i.e. 13.51% of the total project area 365.19 ha which is well within the area suggested as per Notification dated 31.12.2021.

x. The Committee is also of the view that PP while preparing the EIA/EMP Report and conducting Public consultation shall take into account, the deficiency pointed out by the Hon'ble NGT Judgment 21.12.2016.

Recommendations of the Committee:

8. The EAC after detailed deliberation on the information submitted and as presented during the meeting **recommended** the proposal for grant of ToR for conducting an EIA study with Public Consultation (Public Hearing and Written submission) to the project for the construction of the 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by **M/s Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL)**, under the provisions of the EIA Notification, 2006, as amended with the specific ToRs in addition to generic/standard ToR.

9. In accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the EAC, the Ministry hereby accords Terms of Reference (ToR) to M/s Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL) for the construction of the 2x800 MW Coal based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh under EIA Notification, 2006 (as amended) with the specific ToRs in addition to generic/standard ToR as per **Annexure 1**.

10. The EIA/EMP report should contain the information in accordance with provisions & stipulations as given in the specific and standard ToR.

11. You are required to submit the final EIA/EMP prepared as per TORs to the Ministry within 4 years as per this Ministry's Notification vide dated 25.07.2022 for considering the proposal for environmental clearance.

12. The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other organization(s)/laboratories including their status of approvals etc.

13. The Ministry reserves the right to stipulate additional ToR, if found necessary.

14. The Terms of Reference to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project

Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

15. This issues with the approval of the Competent Authority.

Yours faithfully,

(Sundar Ramanathan)
Scientist 'E'/Additional Director
Tel: 011- 20819378
Email- r.sundar@nic.in;

Copy To

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The Chairman, Uttar Pradesh State Pollution Control Board, Building. No. TC-12V. Vibhuti Khand, Gomti Nagar. Lucknow-226 010
4. The Deputy Director General of Forests (C), Integrated Regional Officer, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow – 2260205.
5. The Chairman, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
6. Member Secretary, Uttar Pradesh State Pollution Control Board, PICUP Bhawan, 3rd Floor, B-Block, Vibhuti Khand, Gomti Nagar Lucknow – 226 010.
7. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
9. The District Collector, Mirzapur, Uttar Pradesh
10. Guard File/Monitoring File/PARIVESH Portal

Annexure 1

Specific Terms of Reference for (Thermal Power Plants)

1. [A] Environmental Management And Biodiversity Conservation

S. No	Terms of Reference
1.1	A Cumulative Environmental Impact Assessment study of all the existing and proposed projects in the 15-km radius of the proposed project shall be conducted and the same shall be included the in EIA/EMP report. Details of industrial units present in 15 Km radius of the power plant shall be submitted.
1.2	Radioactivity studies along with coal analysis to be provided (sulphur, ash percentage and heavy metals including Pb, Cr, As and Hg). Details of auxiliary fuel, if any including its quantity, quality, storage, etc should also be given.
1.3	A comparative chart shall be prepared with changes observed from the previous baseline study and present baseline study.

S. No	Terms of Reference
1.4	PP should submit the detailed plan in tabular format (year-wise for the life of the project) for concurrent afforestation and green belt development in and around the project site. The PP should submit the number of saplings to be planted, names of native species, area to be covered under afforestation & green belt, location of plantation, target for survival rate and budget earmarked for the afforestation & green belt development. In addition to this, PP should show on a surface plan (5-year interval for life of project) of suitable scale the area to be covered under afforestation & green belt clearly mentioning the latitude and longitude of the area to be covered during each 5 years. The capital and recurring expenditure to be incurred needs to be submitted. Plantation plan should be prepared in such a way that 80% of the plantation to be carried out in first 5 years and for the remaining years the proposal for gap filling. The seedling of height not less than 2 meters to be selected and accordingly cost of plantation needs to be decided. In addition to this, plantation in the safety zone at project boundary the plantation should be planned in such a way that it should be completed within 2 years only.
1.5	Action plan for development of Three tier plantation programme (33% of total project cover area) along the periphery of the project boundary shall be provided. Plan shall be duly approved by the local forest department.
1.6	A detailed plan need to be submitted for undertaking extensive green plantation within 10 km radius of the plant focusing on water reservoir, school, hospital and other institutional area and same need to be incorporated in EIA/EMP report.
1.7	<i>Detailed action plan shall be prepared for maintenance of air pollution control equipment for proposed and existing units and shall be incorporated in EIA/EMP report.</i>
1.8	<i>Details of Ash management of 5-year plan for 100 % ash utilization for proposed project shall be submitted. MoU signed for ash utilization with companies shall be submitted.</i>
1.9	<i>Details of Ash handling system along with the supplementary coal handling system shall be submitted.</i>
1.10	<i>Proper protection measures like HDPE lining, appropriate height of bund and adequate distance between the proposed Ash pond and water body (minimum 60 meters) etc. shall be planned to reduce the possibility of mixing leachate with any freshwater body for under-construction ash pond. A high-density Slurry disposal plan shall be prepared. The design of the same should as per CEA/CPCB guidelines.</i>
1.11	<i>Pond and ground water quality (10 locations within 2 km radius of the plant boundary) shall be studied and report be submitted along with EIA/EMP. Action plan for Ground water monitoring stations on all hotspots like schools/hospitals within 2 km radius of the plant boundary be submitted. Baseline Study for Heavy metals in Groundwater, Surface water and soil to be carried out and incorporated in EIA/EMP report. This is in addition to the regular baseline study of the study area.</i>
1.12	<i>Details pertaining to water source, treatment and discharge should be provided.</i>
1.13	<i>Zero Liquid Discharge plan shall be submitted.</i>
1.14	<i>PP shall submit action plan for using treated Sewage/Domestic wastewater for its operations.</i>

S. No	Terms of Reference
1.15	<i>Project Proponent to conduct Environmental Cost Benefit Analysis for the project in EIA/EMP Report.</i>
1.16	<i>An action plan shall be prepared for Water shed development within a 10 km radius of the plant boundary in consultation with a reputed government institution and incorporated in the EIA/EMP report. This should include recharge of ground water in the surrounding area of the plant.</i>
1.17	<i>PP should clearly bring out that what is the specific diesel consumption ~ (Liters/Tonne of total material handled) and steps to be taken for reduction of the same. The year-wise target for reduction in the specific diesel consumption needs to be submitted. PP shall also explore the possibility of using e-vehicles/LNG/CNG-based machinery and trucks for the operation and transportation of Coal and ash.</i>
1.18	<i>PP shall submit a plan for diversion of nallha/water body if any involved in the project. PP shall also obtain the permission for such diversion from the concerned authority.</i>
1.19	<i>PP shall obtain a letter from concerned forest department clearly mentioning the extent of forest land involved within and outside (other activities related to plant) plant area.</i>
1.20	<i>While preparing the EIA/EMP report, PP shall explore the possibility of optimizing forest land requirement to the extent possible and submit a detailed note on the same at the time of EC presentation. In case of any increase in forest land PP shall obtain the amendment in ToR.</i>
1.21	<i>List of Schedule-I species needs to be authenticated by the concerned forest department.</i>
1.22	<i>PP shall submit the firm coal linkage, quality of coal and propose mitigative measures in the EIA/EMP report after referring to the OM's issued by MoEF&CC in this regard.</i>

2. [B] Disaster Management

S. No	Terms of Reference
2.1	<i>A Disaster Management Plan shall be prepared and incorporated in the EIA/EMP report.</i>

3. [D] Miscellaneous

S. No	Terms of Reference
3.1	<i>Plot the wind rose diagram using the typical meteorological year (TMY) data for the period considered for the study. The monitoring units shall be deployed in the field based on the coverage area ratio and direction of the wind. A mathematical model shall be developed for the local site rather than using the standard model available in software for both air & water quality modelling.</i>
3.2	<i>PP shall align its activities to one/few of the Sustainable Development Goals (SDG) and start working on the mission of net zero by 2050. PPs shall update the same to the EAC.</i>
3.3	<i>PP shall submit the EIA/EMP report after the plagiarism check using authenticated plagiarism software.</i>

S. No	Terms of Reference
3.4	Detailed description of all the court cases including all directions given by the apex and currents status of them shall submit.
3.5	PP should provide in the EIA Report details of all the statutory clearances, permissions, no objection certificates, consents etc. required for this project under various Acts, Rules and regulations and their status or estimated timeline after grant of EC.
3.6	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.
3.7	PP should clearly bring out the details of the manpower to be engaged for this project with their roles /responsibilities/designations. In addition to this PP should mention the number and designation of persons to be engaged for the implementation of environmental management plan (EMP). The capital and recurring expenditure to be incurred needs to be submitted.
3.8	PP should submit the year-wise, activity-wise and time-bound budget earmarked for EMP, occupational health surveillance, and activities proposed to address the issues raised during the Public Hearing. The capital and recurring expenditures to be incurred need to be submitted.
3.9	Aerial view video of the project site and transportation route proposed for this project shall be recorded through drone and be submitted.
3.10	PP while preparing the EIA/EMP Report and conducting Public consultation shall take into account, the deficiency pointed out by the Hon'ble NGT Judgment 21.12.2016.

4. [C] Socio-economic Study

S. No	Terms of Reference
4.1	The Public Health Delivery Plan including the provisions for drinking water supply for the local population shall be in the EIA/EMP Report. The status of the existing medical facilities in the project area shall be discussed. Possibilities of strengthening of existing medical facilities, construction of new medical infrastructure etc. will be explored after assessing the needs of the labour force and local populace.
4.2	Public consultation (Public Hearing and Written submission) shall be conducted as per the provisions of EIA Notification, 2006 (as amended) and OMs issued in this regard by MoEF&CC.
4.3	As per the Ministry's OM dated 30.09.2020, to address the concern raised during the Public Hearing, the Project Proponent is required to submit the detailed activities proposed with year-wise budgetary provision (Capital and recurring) for at least 10 years. Activities proposed shall be part of EMP. Tentative no. of project-affected families (if any) shall be identified and accordingly appropriate Rehabilitation & Resettlement plan shall be prepared. The recommendation Socio-economic study may also be considered while planning the activities & budget. On addition to this issues raised during previous PH shall also be taken into account.
4.4	Demographic details in 10 km area shall be submitted.



1. Statutory Compliance

S. No	Terms of Reference
1.1	The proposed project shall be given a unique name in consonance with the name submitted to other Government Departments etc. for its better identification and reference.
1.2	Vision document specifying prospective long term plan of the project shall be formulated and submitted.
1.3	Latest compliance report duly certified by the Regional Office of MoEF&CC for the conditions stipulated in the environmental and CRZ clearances of the previous phase(s) for the expansion projects shall be submitted.

2. Details Of The Project And Site

S. No	Terms of Reference
2.1	The project proponent needs to identify minimum three potential sites based on environmental, ecological and economic considerations, and choose one appropriate site having minimum impacts on ecology and environment. A detailed comparison of the sites in this regard shall be submitted.
2.2	Executive summary of the project indicating relevant details along with recent photographs of the proposed site (s) shall be provided. Response to the issues raised during Public Hearing and the written representations (if any), along with a time bound Action Plan and budgetary allocations to address the same, shall be provided in a tabular form, against each action proposed.
2.3	Harnessing solar power within the premises of the plant particularly at available roof tops and other available areas shall be formulated and for expansion projects, status of implementation shall also be submitted.
2.4	The geographical coordinates (WGS 84) of the proposed site (plant boundary), including location of ash pond along with topo sheet (1:50,000 scale) and IRS satellite map of the area, shall be submitted. Elevation of plant site and ash pond with respect to HFL of water body/nallah/River and high tide level from the sea shall be specified, if the site is located in proximity to them.
2.5	Layout plan indicating break-up of plant area, ash pond, green belt, infrastructure, roads etc. shall be provided.
2.6	Land requirement for the project shall be optimized and in any case not more than what has been specified by CEA from time to time. Item wise break up of land requirement shall be provided.
2.7	Present land use (including land class/kism) as per the revenue records and State Govt. records of the proposed site shall be furnished. Information on land to be acquired including coal transportation system, laying of pipeline, ROW, transmission lines etc. shall be specifically submitted. Status of land acquisition and litigation, if any, should be provided.
2.8	If the project involves forest land, details of application, including date of application, area applied for, and application registration number, for diversion under FCA and its status should be provided.

S. No	Terms of Reference
	along with copies of relevant documents.
2.9	The land acquisition and R&R scheme with a time bound Action Plan should be formulated and addressed in the EIA report.
2.10	Satellite imagery and authenticated topo sheet indicating drainage, cropping pattern, water bodies (wetland, river system, stream, nallahs, ponds etc.), location of nearest habitations (villages), creeks, mangroves, rivers, reservoirs etc. in the study area shall be provided.
2.11	Topography of the study area supported by toposheet on 1:50,000 scale of Survey of India, along with a large scale map preferably of 1:25,000 scale and the specific information whether the site requires any filling shall be provided. In that case, details of filling, quantity of required fill material; its source, transportation etc. shall be submitted.

3. Ecology Biodiversity And Environment

S. No	Terms of Reference
3.1	A detailed study on land use pattern in the study area shall be carried out including identification of common property resources (such as grazing and community land, water resources etc.) available and Action Plan for its protection and management shall be formulated. If acquisition of grazing land is involved, it shall be ensured that an equal area of grazing land be acquired and developed and detailed plan submitted.
3.2	Location of any National Park, Sanctuary, Elephant/Tiger Reserve (existing as well as proposed), migratory routes / wildlife corridor, if any, within 10 km of the project site shall be specified and marked on the map duly authenticated by the Chief Wildlife Warden of the State or an officer authorized by him.
3.3	A mineralogical map of the proposed site (including soil type) and information (if available) that the site is not located on potentially mineable mineral deposit shall be submitted.
3.4	The water requirement shall be optimized (by adopting measures such as dry fly ash and dry bottom ash disposal system, air cooled condenser, concept of zero discharge) and in any case not more than that stipulated by CEA from time to time, to be submitted along with details of source of water and water balance diagram. Details of water balance calculated shall take into account reuse and re-circulation of effluents.
3.5	Water body/Nallah (if any) passing across the site should not be disturbed as far as possible. In case any Nallah / drain is proposed to be diverted, it shall be ensured that the diversion does not disturb the natural drainage pattern of the area. Details of proposed diversion shall be furnished duly approved by the concerned Department of the State.
3.6	It shall also be ensured that a minimum of 500 m distance of plant boundary is kept from the HFL of river system / streams etc. and the boundary of site should also be located 500 m away from railway track and National Highways.
3.7	Hydro-geological study of the area shall be carried out through an institute/ organization of repute to assess the impact on ground and surface water regimes. Specific mitigation measures shall be

S. No	Terms of Reference
	spelt out and time bound Action Plan for its implementation shall be submitted
3.8	Detailed Studies on the impacts of the ecology including fisheries of the River/Estuary/Sea due to the proposed withdrawal of water / discharge of treated wastewater into the River/Sea etc shall be carried out and submitted along with the EIA Report. In case of requirement of marine impact assessment study, the location of intake and outfall shall be clearly specified along with depth of water drawl and discharge into open sea.
3.9	Source of water and its sustainability even in lean season shall be provided along with details of ecological impacts arising out of withdrawal of water and taking into account inter-state shares (if any). Information on other competing sources downstream of the proposed project and commitment regarding availability of requisite quantity of water from the Competent Authority shall be provided along with letter / document stating firm allocation of water.
3.10	Detailed plan for rainwater harvesting and its proposed utilization in the plant shall be furnished. In addition, wherever ground water is drawn, PP shall submit detailed plan of Water charging activity to be undertaken.
3.11	Feasibility of near zero discharge concept shall be critically examined and its details submitted.
3.12	Optimization of Cycles of Concentration (COC) along with other water conservation measures in the project shall be specified.
3.13	Plan for recirculation of ash pond water and its implementation shall be submitted.
3.14	Detailed plan for conducting monitoring of water quality regularly with proper maintenance of records shall be formulated. Detail of methodology and identification of monitoring points (between the plant and drainage in the direction of flow of surface / ground water) shall be submitted. It shall be ensured that parameter to be monitored also include heavy metals. A provision for long-term monitoring of ground water table using Piezometer shall be incorporated in EIA, particularly from the study area.
3.15	Hazards Characterization: Past incidents of hazard events within 10km radius of project area with detailed analysis of causes and probability of reoccurrence

4. Environmental Baseline Study And Mitigation Measures

S. No	Terms of Reference
4.1	One complete season (critical season) site specific meteorological and AAQ data (except monsoon season) as per latest MoEF&CC Notification shall be collected along with past three year's meteorological data for that particular season for wind speed analysis and the dates of monitoring shall be recorded. The parameters to be covered for AAQ shall include PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO and Hg. The location of the monitoring stations should be so decided so as to take into consideration the upwind direction, pre-dominant downwind direction, other dominant directions, habitation and sensitive receptors. There should be at least one monitoring station each in the upwind and in the pre - dominant downwind direction at a location where maximum ground level concentration is likely to occur.

S. No	Terms of Reference
4.2	In case of expansion project, air quality monitoring data of 104 observations a year for relevant parameters at air quality monitoring stations as identified/stipulated shall be submitted to assess for compliance of AAQ Standards (annual average as well as 24 hrs).
4.3	A list of industries existing and proposed in the study area shall be furnished.
4.4	Cumulative impacts of all sources of emissions including handling and transportation of existing and proposed projects on the environment of the area shall be assessed in detail. Details of the Model used and the input data used for modelling shall also be provided. The air quality contours should be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. The windrose and isopleths should also be shown on the location map. The cumulative study should also include impacts on water, soil and socio-economics.
4.5	Radio activity and heavy metal contents of coal to be sourced shall be examined and submitted along with laboratory reports.
4.6	Fuel analysis shall be provided. Details of auxiliary fuel, if any, including its quantity, quality, storage etc should also be furnished.
4.7	Quantity of fuel required, its source and characteristics and documentary evidence to substantiate confirmed fuel linkage shall be furnished. The Ministry's Notification dated 02.01.2014 regarding ash content in coal shall be complied. For the expansion projects, the compliance of the existing units to the said Notification shall also be submitted
4.8	Details of transportation of fuel from the source (including port handling) to the proposed plant and its impact on ambient AAQ shall be suitably assessed and submitted. If transportation entails a long distance it shall be ensured that rail transportation to the site shall be first assessed. Wagon loading at source shall preferably be through silo/conveyor belt.
4.9	For proposals based on imported coal, inland transportation and port handling and rail movement shall be examined and details furnished. The approval of the Port and Rail Authorities shall be submitted.
4.10	Details regarding infrastructure facilities such as sanitation, fuel, restrooms, medical facilities, safety during construction phase etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase should be adequately catered for and details furnished.

5. Environmental Management Plan

S. No	Terms of Reference
5.1	EMP to mitigate the adverse impacts due to the project along with item - wise cost of its implementation in a time bound manner shall be specified.
5.2	A Disaster Management Plan (DMP) along with risk assessment study including fire and explosion issues due to storage and use of fuel should be prepared. It should take into account the maximum inventory of storage at site at any point of time. The risk contours should be plotted on the plant layout map clearly showing which of the proposed activities would be affected in case of an

S. No	Terms of Reference
	accident taking place. Based on the same, proposed safeguard measures should be provided. Measures to guard against fire hazards should also be invariably provided. Provision for mock drills shall be suitably incorporated to check the efficiency of the plans drawn.
5.3	The DMP so formulated shall include measures against likely Fires/Tsunami/Cyclones/Storm Surges/ Earthquakes etc, as applicable. It shall be ensured that DMP consists of both On-site and Off-site plans, complete with details of containing likely disaster and shall specifically mention personnel identified for the task. Smaller version of the plan for different possible disasters shall be prepared both in English and local languages and circulated widely.
5.4	Details of fly ash utilization plan as per the latest fly ash Utilization Notification of GOI along with firm agreements / MoU with contracting parties including other usages etc, shall be submitted. The plan shall also include disposal method / mechanism of bottom ash along with monitoring mechanism.

6. Green Belt Development

S. No	Terms of Reference
6.1	Detailed scheme for raising green belt of native species of appropriate width (50 to 100 m) and consisting of at least 3 tiers around plant boundary not less than 2000 tree per ha with survival rate of more than 85% shall be submitted. Photographic evidence must be created and submitted periodically including NRSA reports in case of expansion projects. A shrub layer beneath tree layer would serve as an effective sieve for dust and sink for CO ₂ and other gaseous pollutants and hence a stratified green belt should be developed.
6.2	Over and above the green belt, as carbon sink, plan for additional plantation shall be drawn by identifying blocks of degraded forests, in close consultation with the District Forests Department. In pursuance to this the project proponent shall formulate time bound Action Plans along with financial allocation and shall submit status of implementation to the Ministry every six months.

7. Socio-economic Activities

S. No	Terms of Reference
7.1	Socio-economic study of the study area comprising of 10 km from the plant site shall be carried out through a reputed institute / agency which shall consist of detail assessment of the impact on livelihood of the local communities.
7.2	Action Plan for identification of local employable youth for training in skills, relevant to the project, for eventual employment in the project itself shall be formulated and numbers specified during construction & operation phases of the Project.
7.3	If the area has tribal population, it shall be ensured that the rights of tribals are well protected. The project proponent shall accordingly identify tribal issues under various provisions of the law of the land.
7.4	A detailed CER plan along with activities wise break up of financial commitment shall be prepared in terms of the provisions OM No. 22-65/2017-IA.III dated 30.09.2020. CER component shall be

S. No	Terms of Reference
	identified considering need based assessment study and Public Hearing issues. Sustainable income generating measures which can help in upliftment of affected section of society, which is consistent with the traditional skills of the people shall be identified.
7.5	While formulating CER schemes it shall be ensured that an in-built monitoring mechanism for the schemes identified are in place and mechanism for conducting annual social audit from the nearest government institute of repute in the region shall be prepared. The project proponent shall also provide Action Plan for the status of implementation of the scheme from time to time and dovetail the same with any Govt. scheme(s). CER details done in the past should be clearly spelt out in case of expansion projects.
7.6	R&R plan, as applicable, shall be formulated wherein mechanism for protecting the rights and livelihood of the people in the region who are likely to be impacted, is taken into consideration. R&R plan shall be formulated after a detailed census of population based on socio economic surveys who were dependant on land falling in the project, as well as, population who were dependant on land not owned by them.
7.7	Assessment of occupational health and endemic diseases of environmental origin in the study area shall be carried out and Action Plan to mitigate the same shall be prepared.
7.8	Occupational health and safety measures for the workers including identification of work related health hazards shall be formulated. The company shall engage full time qualified doctors who are trained in occupational health. Health monitoring of the workers shall be conducted at periodic intervals and health records maintained. Awareness programme for workers due to likely adverse impact on their health due to working in non-conductive environment shall be carried out and precautionary measures like use of personal equipments etc. shall be provided. Review of impact of various health measures undertaken at intervals of two to three years shall be conducted with an excellent follow up plan of action wherever required.

8. Corporate Environment Policy

S. No	Terms of Reference
8.1	Does the company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
8.2	Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
8.3	What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions. Details of this system may be given.
8.4	Does the company has compliance management system in place wherein compliance status along with compliances / violations of environmental norms are reported to the CMD and the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.

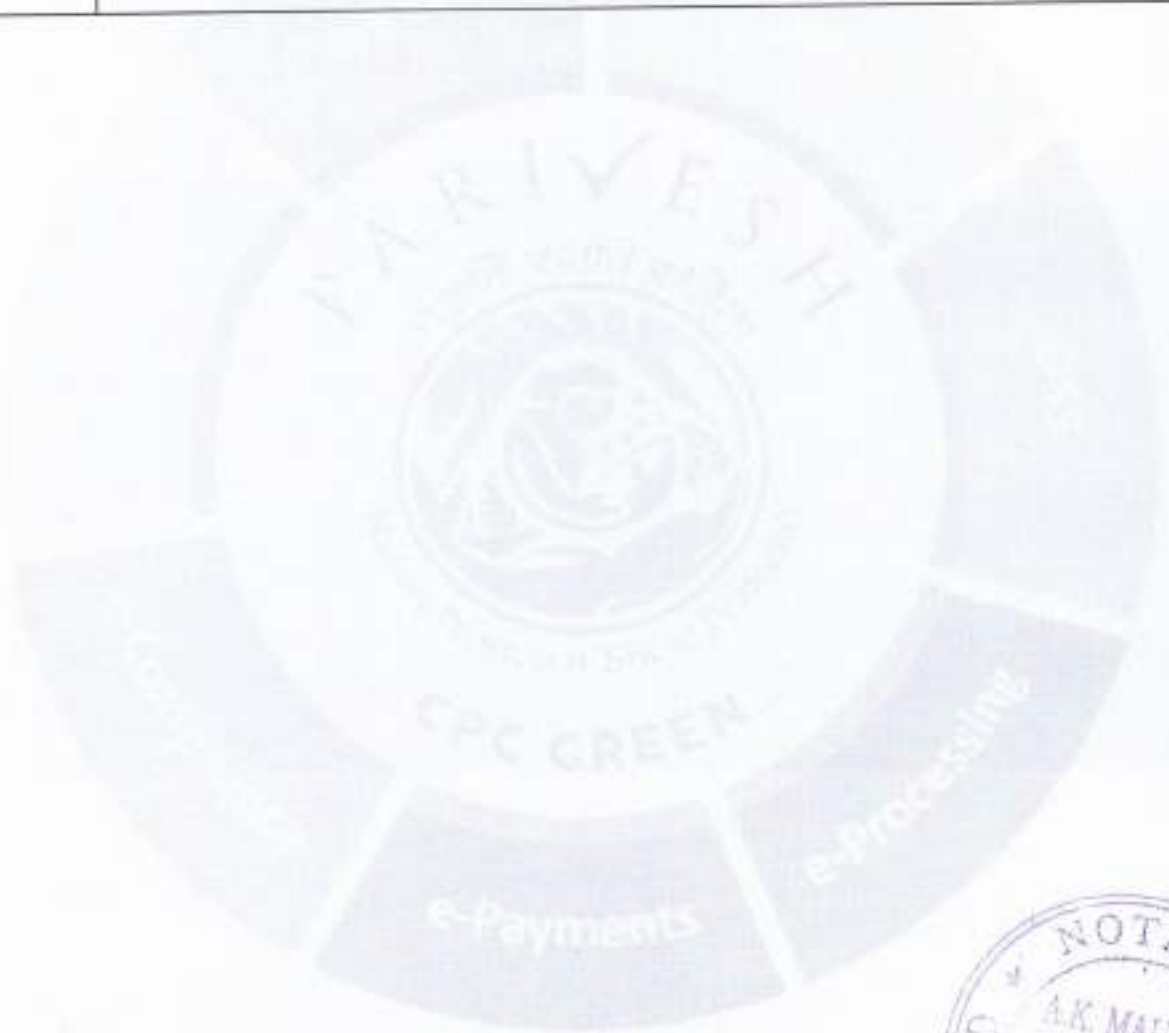
9. Miscellaneous

S. No	Terms of Reference
9.1	All the above details should be adequately brought out in the EIA report and in the presentation to the Committee.
9.2	Details of litigation pending or otherwise with respect to project in any Court, Tribunal etc. shall invariably be furnished.
9.3	In case any dismantling of old plants are envisaged, the planned land use & land reclamation of dismantled area to be furnished.

10. Additional Tor For Coastal Based Thermal Power Plants Projects (Tpps)

S. No	Terms of Reference
10.1	Low lying areas fulfilling the definition wetland as per Ramsar Convention shall be identified and clearly demarcated w.r.t the proposed site.
10.2	If the site includes or is located close to marshy areas and backwaters, these areas must be excluded from the site and the project boundary should be away from the CRZ line. Authenticated CRZ map from any of the authorized agencies shall be submitted.
10.3	The soil levelling should be minimum with no or minimal disturbance to the natural drainage of the area. If the minor canals (if any) have to be diverted, the design for diversion should be such that the diverted canals not only drains the plant area but also collect the volume of flood water from the surrounding areas and discharge into marshy areas/major canals that enter into creek. Major canals should not be altered but their embankments should be strengthened and desilted.
10.4	Additional soil required for levelling of the sites should as far as possible be generated within the site itself in such a manner that the natural drainage system of the area is protected and improved.
10.5	Marshy areas which hold large quantities of flood water to be identified and shall not be disturbed.
10.6	No waste should be discharged into Creek, Canal systems, Backwaters, Marshy areas and seas without appropriate treatment. Wherever feasible, the outfall should be first treated in a Guard Pond and then only discharged into deep sea (10 to 15 m depth). Similarly, the Intake should be from deep sea to avoid aggregation of fish and in no case shall be from the estuarine zone. The brine that comes out from Desalinization Plants (if any) should not be discharged into sea without adequate dilution.
10.7	Mangrove conservation and regeneration plan shall be formulated and Action Plan with details of time bound implementation shall be specified, if mangroves are present in Study Area.
10.8	A common Green Endowment Fund should be created by the project proponents out of EMP budgets. The interest earned out of it should be used for the development and management of green cover of the area.
10.9	Impact on fisheries at various socio economic level shall be assessed.
10.10	An endowment Fishermen Welfare Fund should be created out of CER grants not only to enhance their quality of life by creation of facilities for Fish Landing Platforms / Fishing Harbour / cold

S. No	Terms of Reference
	storage, but also to provide relief in case of emergency situations such as missing of fishermen on duty due to rough seas, tropical cyclones and storms etc.
10.11	Tsunami Emergency Management Plan shall be prepared wherever applicable and Plan submitted prior to the commencement of construction work.
10.12	There should not be any contamination of soil, ground and surface waters (canals & village pond) with sea water in and around the project sites. In other words necessary preventive measures for spillage from pipelines, such as lining of Guard Pond used for the treatment of outfall before discharging into the sea and surface RCC channels along the pipelines of outfall and intake should be adopted. This is just because the areas around the projects boundaries could be fertile agricultural land used for paddy cultivation.



Signed by
Sunder Ramanathan
Date: 29-07-2024 20:45:47
Reason: Verified and signed

F. No. IA3-22/10/2022-IA.III [E 177258]

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road
New Delhi-110 003

Dated: 29th March, 2022

OFFICE MEMORANDUM

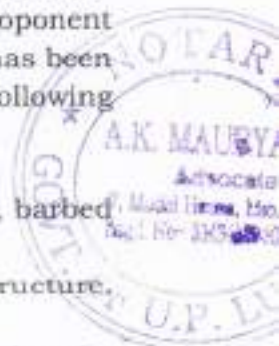
Subject: Clarification regarding activities which can be undertaken for securing the land prior to grant of Environmental Clearance-regarding.

As per the provisions of Environment Impact Assessment (EIA) Notification 2006, the project or activities [New/Expansion/ Modernization/ change of product-mix or raw material mix] listed in the Schedule to the said Notification would require prior Environment Clearance (EC) from the concerned Competent Authority before undertaking any construction work or preparation of land by the project proponent, except for securing the land.

2. In this regard, Office Memorandum No. J-11011/41/2006-IA.II(I) dated 19/08/2010 clarified that while securing the land, no activity relating to any project covered under EIA Notification, 2006 including civil construction can be undertaken at the site without prior EC except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s).

3. Over a period of time, various options other than conventional barbed wire and wall fencing, have come into existence, viz., use of pre-fabricated structures, pre-cast compound wall etc. Further, in order to secure the land, the project proponent may need to have water and electricity connection. In view of the same, it has been decided by the Competent Authority in the Ministry to explicitly clarify that following activities can be undertaken by the project proponent for securing the land.

- i. Fencing of the project site by boundary wall using civil construction, barbed wire or precast/ prefabricated components.
 - ii. Construction of temporary sheds using pre-fabricated / modular structure, for site office/guards and storing material and machinery.
 - iii. Provision of temporary electricity and water supply for site office/guards only.
4. The above activities shall be undertaken subject to the following:



- i. The land should be in the legal possession of the project proponent and all statutory approvals in respect of the project site should have been obtained.
- ii. In case of involvement of any forest land, no activity shall be initiated at the site till the Stage II Forest Clearance is obtained under the relevant provisions of Forest (Conservation) Act, 1980. In case of applicability of Wildlife Clearance, necessary permission from Standing Committee for National Board for Wildlife (SCNBWL) shall be obtained under the provisions of Wildlife Protection Act, 1972.
- iii. In case of felling of trees if any, requisite permission from the Forest Department/Statutory Authorities of the concerned State Government shall be obtained.
- iv. The investment made by the Project Proponent on the above, in anticipation of the applicable clearances under the relevant provisions of the Acts/Rules, shall be entirely at the cost and risk of the proponent.

5. However, the above dispensation would not entitle the project proponent to claim ***fait accompli*** with regard to grant of EC or any other applicable permission from any concerned statutory authority and further, the works of the aforesaid nature shall have no bearing on appraisal of the project for grant of EC which shall follow the due process and procedure as laid down in EIA Notification 2006, as amended.

6. This O.M. is being issued in supersession of the earlier O.M. dated 19/08/2010 and with the approval of the Competent Authority.


 (A.K. Agrawal)
 Director

To

1. Chairman, Central Pollution Control Board (CPCB)
2. Chairman of all the Expert Appraisal Committees
3. Chairperson/Member Secretaries of all the SEIAAs/SEACs
4. Chairpersons/Member Secretaries of all SPCBs/UTPCCs
5. All the Officers of I.A. Division

Copy for information to:

1. PS to Hon'ble Minister for Environment, Forest and Climate Change
2. PS to Hon'ble MoS (EF&CC)
3. PPS to Secretary (EF&CC)
4. PPS to DG (FC) & SS
5. PPS to AS(TK) / AS (NPG)/ AS(RS)
6. PPS to JS (SKB)
7. Website, MoEF&CC/Guard file.



L-11011/10/2024-IA-I(T)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

3rd Floor, Vayu Wing,
Indira Paryavaran Bhawan
Jor Bagh Road
New Delhi-110003

- Date: 21st February, 2025

To

Deputy Director General of Forests (C),
Ministry of Env., Forest and Climate Change, Regional Office,
Kendriya Bhawan, 5th Floor, Sector "H"
Aliganj, Lucknow – 226020

Sub: IA No 110 of 2025 in Execution Application no. 29 of 2024 in Appeal No. 79 of 2014 titled as Debadityo Sinha vs. Mirzapur Energy (U.P.) Pvt. Ltd. & Ors. before the Hon'ble National Green Tribunal (PB), New Delhi- reg.

Sir,


This has a reference to the above-mentioned subject matter; wherein an Execution Application no. 29 of 2024 (copy enclosed) has been filed alleging that the project proponent is undertaking illegal construction activities at the site by clearing the vegetation and forest using massive earthwork and levelling the land.

2. Further, the applicant has filed an IA No 110 of 2025 (copy enclosed) in Execution Application no. 29 of 2024 seeking an immediate stay of the alleged construction activities (which includes illegal construction of 10 ft. boundary wall along the project boundaries (approx. 1200 acres) and a large gate, construction of labour camps, blasting operations for hill cutting for levelling the land, tree felling and clearing of vegetation and forest in and around the project area using massive earth work and construction of more than 2 kms of approach road for transporting vehicles, heavy machinery and equipments) by Mirzapur Energy (U.P.) Pvt. Ltd for setting up 2x660 MW Super Critical Coal based Thermal Power Plant at Village Dadri Khurd, Tehsil Mirzapur, Uttar Pradesh.

3. In view of the above, it is requested to conduct a project site inspection and provide current construction status report of the project along with suitable para-wise comments in response to issues raised in the IA No 110 of 2025 & EA No 29 of 2024 positively by 28.02.2025.

This issues with the approval of competent authority.

Encl. as above


(Dr. Rajesh Prasad Rastogi)
Scientist-D



भारत सरकार
पर्यावरण, वन एवं जलवायु परिवर्तन मन्त्रालय
क्षेत्रीय कार्यालय, लखनऊ



Government of India
Ministry of Environment, Forest & Climate Change
Regional Office, Lucknow

केन्द्रीय भवन, 11वां तल, सेक्टर एच, अलीगंज लखनऊ 226024
Kendriya Bhawan, 11th Floor, Sector-H, Aliganj, Lucknow-226024, Telefax-2326696
Email: roc.lko-mef@nic.in

File no.: IV/ENV/UP/TH- 41/319/2010 /1079.

Dated: 28.02.2025

To,
Dr Rajesh Prasad Rastogi
Scientist D
Ministry Of Environment, Forest and Climate Change
Indira Paryaran Bhawan, JorBagh, Aliganj, New Delhi-110003
Email: rp.rastogi@gov.in

Subject: Site inspection report of the Mirzapur Energy (U.P.) Pvt. Ltd. Regarding

References: 1. Ministry letter no. L-11011/10/2024-1A-1 (T) dated 21.02.2025.

2. IA no. 110 of 2025 in execution application no. 29 of 2024 in Appeal no. 79 of 2014 titled as Debadityo Sinha Vs. Mirzapur Energy (U.P.) Pvt. Ltd. & Ors. Before the Hon'ble NGT (PB), New Delhi regard.

Sir,

I am directed to draw your kind attention to the above-referred letter of the Ministry, dated 21.2.2025, related to the captioned subject. In compliance with the above, the undersigned has been directed to inspect the project site on 25.02.2025 and submit the factual report as required by the Ministry in the referred letter. A factual report, along with the chronological status of the forest proposal for diversion of 8.3581 ha land and a photograph taken during the inspection of the project, is attached for your information and further necessary action.

Enclosed: As above (Page no. 18)

Sincerely,

(Signature)
(डॉ. ए.के. गुप्ता)
अतिरिक्त निदेशक व 0



Factual Report

In compliance of the Ministry letter L-11011/10/2024-IA-I (T) dated 21.02.2025, the undersigned has conducted a site inspection of the project M/s Mirzapur Thermal Energy UP Pvt. Ltd., which is a subsidiary of M/s Adani Power Ltd. at Village Dadri Khurd, Tehsil Mirzapur Sadar, District Mirzapur (earlier, M/s Welspun Energy UP Private limited) on 25.02.2025. M/s Mirzapur Thermal Energy UP Pvt representative was present during the site inspection. Ltd, i.e., Shri R.N. Shukla, Head, Environment & Forest, Shri Dinesh Kumar, AVP Project (MP), and Shri Arun Kumar Prasad, AGM Project and Land, were also available. During the detailed discussion with the officer available during the site inspection, the chronological development of the above project is as follows:

- As per the available record, it has been found that the Ministry of Environment, Forest & Climate Change (MoEFCC) was accorded Environmental Clearance (EC) vide no. J-13012/12/2011-IA. II (T) dated 21.08.2014 to M/s Welspun Energy UP Private Limited for setting of the 2x660 MW super critical coal based Thermal Power Project at Village Dadri Khurd, Tehsil Mirzapur Sadar, District Mirzapur, Uttar Pradesh. Further, the Ministry, vide letter no. J-13012/12/2011-IA II (T) dated 20.12.2019, changed the name of the company from Welspun Energy UP Pvt. Ltd. (WEUPPL) to Mirzapur Thermal Energy UP Pvt. Ltd., which is a subsidiary of M/s Adani Power Ltd. Project proponent (PP) was also obtained NOC from Uttar Pradesh Pollution Control Board (UPPCB) vide letter no. F54116/C-9/NOC-229/2015 dated 13.01.2015.
- As per the EC dated 21.08.2024, the total land breakup mentioned in the preamble of the EC is "*The land required will be 875 acres, out of which 15.63 acres will be single crop agricultural land; 853.74 acres will be barren land; 5.44 acres will be water body; and 0.19 acres comprise of human settlements. The co-ordinates of the site are located within Latitude 24°58'41.645" N to 25°00'16.887" N and Longitude 82°39'50.425" E to 82°41'03.728" E*". In addition to the above Ministry vide letter no. J-13012/12/2011-IA II (T) dated 20.12.2019 mentioned that "*4. It has been noted that proposed project involves acquisition of forest land of 9.3681 ha (water pipeline, approach road, within the project boundary) which requires diversion under Forest (conservation) Act, 1980*".
- Recently, the Ministry of Environment, Forest and Climate Change (MOEF&CC) accorded Term of Reference (ToR) vide file no. J-13012/12/2011-IA-II (T) dated 29.07.2024 for the Proposal of 2x800 MW Coal-based Ultra Super Critical Thermal Power Project (TPP) at Village Dadri Khurd, Tehsil, Mirzapur Sardar, District Mirzapur, Uttar Pradesh by M/s Mirzapur Thermal Energy (UP) Private Limited (MTEUPPL). As per the ToR, "*...the land area of the project is 365.19 ha (Private land 364.57 ha and forest land 0.62 ha, an application was submitted for same area but after the joint inspection of DFO (forest office) & SDM (Revenue) was held on 03.04.2024 confirming that the above area is non-forest land. This area will be used for plantation / green belt purposes only.)...*"

Present Status of the Project:

- During the inspection, it has been found that the majority of project land is barren & undulated in nature. A very limited number of trees/shrubs etc. has been found on site.
- During the inspection of the project, it has been found that the PP had already constructed the boundary wall all around the project by using ready-made (precast boundary pillars/wall) and by using MS profile sheet (in some undulated patches) up to 7 to 10 feet height with main gate (by using MS pipe/rods etc) and one security room very close to main gate. One abundant well has also been found during the site inspection. PP has also been constructed with one rainwater storage pond with a 30,000 m³ capacity for the collection of rainwater in the south-southwest direction of the site. In addition to the above, PP has placed several rectangular MS portable site cabins fitted with Split Air conditioners etc. One MS portable toilet has also been made available on-site. Several fresh industrial cables with wooden/plastic drums and other related materials etc have also been available on site. The digging work of cabling laying in some patches has also been seen. Besides, ready-made electricity poles with wires in working condition have also been seen going to near village through project land. High tension wires have also been passed through project land.
- It has also been found that the project land is not connected with the main road; only one connectivity has been found through forest land (around 1.5 to 2 km), which has been used by PP by paying fee as forest accessed to the local forest department (Madhihan Range) of Rs 5000/= on 16.08.2024 and Rs 11650/= on 30.12.2024. (A copy of the bill is attached in Annexure II)
- Status of the forest diversion proposal for 8.3581 ha is pending with this Regional Office; chronological status is attached as Annexure I.
- A photograph taken during the site inspection has also been enclosed as Annexure II.



(FP/UP/THE/14236/2015).

Sub : Diversion of 8.3581 ha. Reserved Forest land for WATER PIPELINE CORRIDOR AND APPROACH ROAD FOR MIRZAPUR 1320 MW THERMAL POWER PROJECT

1. विशेष सचिव, उत्तर प्रदेश शासन के पत्रांक पी-61/14-2-2016-800(64)2016, दिनांक 18.04.2016 द्वारा प्रस्ताव इस कार्यालय में प्राप्त हुआ था।
2. इस कार्यालय पत्र दिनांक 13.05.2016 द्वारा निम्न बिन्दुओं पर राज्य सरकार से सूचनाएं मांगी गयी थी, जो निम्न प्रकार हैं:-
 1. The proposal has not been submitted after analysing other minimum three alternatives and selection of the alternative having minimum forest area.
 2. At various places seal of different officials has not been affixed.
 3. The user agency is a private entity and most of the certificates/undertakings have not been counter signed by the concerned district level authorities.
 4. The component wise break up of forest land requirement at B-2.4 (part-I) is incorrect.
 5. The project proponents /user agency have authorised three directors to sign on behalf of the company whereas the papers in hard copy has been signed by the 4th person one of the Managers. This needs clarification.
 6. The proposal is without relevant undertaking regarding conditions imposed by Department of Irrigation, UP Government & Central Water Commission, Ministry of Water Resources, Government of India regarding usage water from Ganga River.
 7. Form per the .kml file enclosed regarding proposed forest land diversion, location of approach road cannot be deciphered.
 8. The KML files for proposed forest land diversion are in poly-line format rather polygon format to be amenable for GIS DSS analysis. It has been noticed that only GPS coordinates of centre line has been provided in the .kml files. The forest area has been masked therefore the assessment of other ground features cannot be done.
 9. As per information provided at C (ii) (b) in part I, one segment of forest patch has been mentioned whereas on the map itself many forest segments are visible.
 10. The justification note uploaded at D (i) mentions requirement of forest area is 7.6308 ha whereas the proposal has been submitted for 8.3581 ha of forest land which is erroneous and misleading.
 11. Forest land gazette notification uploaded with the proposal has not been authenticated by the concerned DFO.
 12. The site suitability certificate uploaded mentions 7.6298 ha whereas proposal is for diversion of forest land to the extent of 8.3581 ha. Even mandatory requirement of equivalent non forest land to make good loss of forest has not been fulfilled. The format of site suitability certificate is not as per requisite format.
 13. Topo sheet uploaded for location of approach road is hazy and without title, index & legend.
 14. Uploaded forest land calculation sheet is without details and has not been signed by the concerned DFO.



15. In part II, at Sr No.5 regarding working plan prescription it is mentioned as "No Data". Reason for not providing data may be explained.
 16. In part II, at Sr No.6 regarding vulnerability of forest area for soil erosion, it has been mentioned that 'no soil erosion' which appears to be incorrect assessment and reason for such incorrect assessment needs to be submitted.
 17. In part II, at Sr No.11 (i) it has been mentioned that work has been carried out in violation of FCA 1980 but the details have not been provided in 11 (i) (a), (b) & (c).
 18. The compensatory afforestation has been proposed on equivalent non forest land for which uploaded site suitability certificate is not as per appropriate format.
 19. The estimate for Compensatory Afforestation has been framed for 10 ha whereas the extent of CA is only 8.3581 ha. Therefore, the same needs revision as per the proposal.
 20. The site inspection report (uploaded one) is without seal of the concerned DCF.
 21. The NPV calculation sheet is incorrect and needs revision.
 22. Certificates & NOCs from Village level Committees under FRA 2006 needs compilation and submission of one abstract sheet showing relevant forest area of each village.
 23. As per the details provided, the progress of compensatory afforestation is very low (mere 75 ha out of stipulated 360 ha). Reasons may be submitted for the same.
 24. Pages from 120 to 194 are not relevant.
 25. The proposal requires submission of detailed layout plan showing specific location of each major components of Thermal power plant.
 26. Two separate enumeration lists are required-
 - (a) Total trees standing on the proposed forest land.
 - (b) Trees required to be felled.
 27. Joint inspection by DFO has been done with whom because other signature is of Regional Office and if cannot be made out who is the third signatory.
3. विशेष सचिव, उत्तर प्रदेश शासन के पत्रांक 1639/14-2-2016-800(64)/2016, दिनांक 09.08.2016 द्वारा इस कार्यालय के पत्र दिनांक 13.05.2016 द्वारा चाही गयी सूचनाओं की अनुपालना उपलब्ध करायी गयी है-

S.No.	Conditions	Reply
1.	The proposal has not been submitted after analysing other minimum three alternatives and selection of the alternative having minimum forest area.	प्रयोक्ता अभिकरण द्वारा प्रस्तावित भूमिगत वाटर पाइप लाइन एवं सम्पर्क मार्ग निर्माण हेतु तीन विकल्प रूट में प्रस्ताव में संलग्न किया गया है। इनमें से न्यूनतम वन क्षेत्र से सम्बन्धित विकल्प ही चयन किया गया है।
2.	At various places seal of different officials has not been affixed.	प्रस्ताव में विभिन्न अपेक्षित पृष्ठों पर सम्बन्धित अधिकारियों की मुहर लगा दी गयी है।
3.	The user agency is a private entity and most of the certificates/undertakings have not been counter signed by the concerned district level authorities.	प्रस्तावक संस्था द्वारा प्रस्तुत बचनबद्ध प्रमाण पत्र प्रभागीय वनाधिकारी द्वारा प्रतिहस्ताक्षरित कर दिया गया है।
4.	The component wise break up of forest land	परियोजना के विभिन्न घटकों हेतु अपेक्षित

	requirement at B-2.4 (part-I) is incorrect.	वन भूमि का मदवार विवरण प्रस्तावक संस्था द्वारा पार्ट-1 के ठ. 2.4 के अनुसार अपेक्षित भूमिगत वाटर पाइप लाइन हेतु- 5.8162 हे० एवं सम्पर्क मार्ग निर्माण हेतु 2.5419 हे० हैं जिसे तदनुसार संशोधित कर अंकित किया गया है।
5.	The project proponents /user agency have authorised three directors to sign on behalf of the company whereas the papers in hard copy has been signed by the 4th person one of the Managers. This needs clarification.	प्रस्तावक संस्था वेलेस्पन इनर्जी यू०पी० प्रा०लि० के बोर्ड आफ डायरेक्टर का प्राधिकृत प्रतिनिधि के सम्बन्ध में प्रमाण पत्र संलग्न है।
6.	The proposal is without relevant undertaking regarding conditions imposed by Department of Irrigation, UP Government & Central Water Commission, Ministry of Water Resources, Government of India regarding usage water from Ganga River.	प्रस्तावक संस्था वेलेस्पन इनर्जी यू०पी० प्रा०लि० द्वारा उपलब्ध कराया गया अन्डरटेकिंग मूल में संलग्न है।
7.	Form per the .kml file enclosed regarding proposed forest land diversion, location of approach road cannot be deciphered.	निर्देशानुसार KML File अपलोड किया गया है।
8.	The KML files for proposed forest land diversion are in poly-line format rather polygon format to be amenable for GIS DSS analysis. It has been noticed that only GPS coordinates of centre line has been provided in the .kml files, The forest area has been masked therefore the assessment of other ground features cannot be done.	निर्देशानुसार KML File अपलोड किया गया है।
9.	As per information provided at C (ii) (b) in part 1, one segment of forest patch has been mentioned whereas on the map itself many forest segments are visible.	निर्देशानुसार KML File अपलोड किया गया है।
10.	The justification note uploaded at D (i) mentions requirement of forest area is 7.6308 ha whereas the proposal has been submitted for 8.3581 ha of forest land which is erroneous and misleading.	प्रस्तावक संस्था द्वारा जस्टिफिकेशन नोट में क्षेत्रफल को संशोधित कर 8.3581 हेक्टेयर अंकित कर दिया गया है तथा part-1 में अपलोड कर दिया गया है।
11.	Forest land gazette notification uploaded with the proposal has not been authenticated by the concerned DFO.	प्रस्ताव मे संलग्न गजट नोटिफिकेशन में जलापूर्ति बावत भूमि गत पाइप लाइन एवं सम्पर्क मार्ग हेतु प्रस्तावित आराजी को चिन्हित तथा प्रभागीय वनाधिकारी द्वारा सत्यापित कर दिया गया है।
12.	The site suitability certificate uploaded mentions 7.6298 ha whereas proposal is for diversion of forest land to the extent of 8.3581 ha. Even mandatory requirement of equivalent non forest land to make good loss of forest has not been fulfilled. The format of site suitability	उपयुक्तता प्रमाण पत्र निर्धारित प्रारूप में संलग्न है।



	certificate is not as per requisite format.	
13.	Topo sheet uploaded for location of approach road is hazy and without title, index & legend.	प्रस्तावक संस्था द्वारा उपलब्ध कराई गई टोपोशीट जिस पर Title, Index & legend अंकित है मूल में प्रभागीय वनाधिकारी द्वारा हस्ताक्षरित कर संलग्न करते हुए ऑन-लाइन अपलोड कर दिया गया है।
14.	Uploaded forest land calculation sheet is without details and has not been signed by the concerned DFO.	प्रस्ताव में प्रभागीय वनाधिकारी द्वारा हस्ताक्षरित लेण्ड शैड्यूल संलग्न तथा ऑन-लाइन भी अपलोड किया गया है।
15.	In part II, at Sr No.5 regarding working plan prescription it is mentioned as "No Data". Reason for not providing data may be explained.	भाग-2 के कम सं0-5 कार्य योजना वर्ष 2014-15 से 2023-24 के अध्याय 1 के प्रस्तर सं0-1.23 में उल्लिखित है कि अभिलेखों में 0 अंकित वन भूमि के गैर वानिकी कार्यों के प्रयोग हेतु वन (संरक्षण) अधिनियम 1980 के अनुमति केन्द्र/भारत सरकार की पूर्व अनुमति आवश्यक है।
16.	In part II, at Sr No.6 regarding vulnerability of forest area for soil erosion, it has been mentioned that 'no soil erosion' which appears to be incorrect assessment and reason for such incorrect assessment needs to be submitted.	भाग-2 के कम सं0-6 में अपेक्षित सूचना अपलोड कर दी गयी है।
17.	In part II, at Sr No.11 (i) it has been mentioned that work has been carried out in violation of FCA 1980 but the details have not been provided in 11 (i) (a), (b) & (c).	भाग-2 के कम सं0-11 (1) के सम्बन्ध में अवगत कराना है कि प्रस्तावक संस्था द्वारा वन (संरक्षण) अधिनियम 1980 का उल्लंघन नहीं किया गया है। जैसा कि पूर्व में भी अपलोड किया गया है। अतः 11(1) 0 (इ)-(ब) से सम्बन्धित सूचना शून्य है।
18.	The compensatory afforestation has been proposed on equivalent non forest land for which uploaded site suitability certificate is not as per appropriate format.	क्षतिपूरक वनीकरण हेतु समतुल्य गैर वन भूमि का उपयुक्त प्रमाण पत्र निधारित प्रारूप में संलग्न है।
19.	The estimate for Compensatory Afforestation has been framed for 10 ha whereas the extent of CA is only 8.3581 ha. Therefore, the same needs revision as per the proposal.	8.3581 हे० में क्षतिपूरक वनीकरण हेतु प्राक्कलन प्रस्ताव में संलग्न है। प्राक्कलन 10.00 हे० के माडल प्रारूप के आधार पर तैयार किया गया है, न कि 10.00 हे० में वृक्षारोपण हेतु 10.00 हे० क्षेत्रफल के माडल के आधार पर 8.3581 हे० गैर वनभूमि हेतु क्षतिपूरक वनीकरण का प्राक्कलन तैयार कर संलग्न कर दिया गया है।
20.	The site inspection report (uploaded one) is without seal of the concerned DCF.	मौके के स्थलीय निरीक्षण रिपोर्ट (अंकित लिस्ट-25) पर मुहर लगा दी गयी है।
21.	The NPV calculation sheet is incorrect and needs revision.	एन.पी.वी. का आगणन पूर्व में 8.87 लाख

		प्रति हे० की दर से किया गया था जिसको ईको क्लास व हरियाली घनत्व के आधार पर 6.26 लाख प्रति हेक्टेअर की दर से संशोधित कर दिया गया है।
22.	Certificates & NOCs from Village level Committees under FRA 2006 needs compilation and submission of one abstract sheet showing relevant forest area of each village.	वन अधिकार अधिनियम 2006 के अन्तर्गत अपेक्षित / संशोधित प्रमाण पत्र प्रस्तावक संस्था द्वारा उपलब्ध कराया गया जो प्रस्ताव में संलग्न हैं।
23.	As per the details provided, the progress of compensatory afforestation is very low (mere 75 ha out of stipulated 360 ha). Reasons may be submitted for the same.	क्षतिपूरक वनीकरण की प्रगति की अद्यतन स्थिति प्रस्ताव में अंकित कर दी गयी है।
24.	Pages from 120 to 194 are not relevant.	प्रस्ताव में संलग्न पेज संख्या 120 से 194 प्रस्ताव से अलग कर प्रस्ताव की कम संख्या संशोधित कर दी गयी हैं।
25.	The proposal requires submission of detailed layout plan showing specific location of each major components of Thermal power plant.	प्रस्तावक संस्था द्वारा परियोजना का ले आउट प्लान उपलब्ध कराया गया है जो प्रस्ताव में संलग्न हैं।
26.	Two separate enumeration lists are required- (a) Total trees standing on the proposed forest land. (b) Trees required to be felled.	यह कि प्रस्तावक संस्था द्वारा भूमिगत पाइप लाइन एवं सम्पर्क मार्ग निर्माण में बाधक समस्त 296 वृक्षों का पातन किया जाना है। तदनुसार प्रभावित व पातन किए जाने वाले वृक्षों की सूची समान हैं।
27.	Joint inspection by DFO has been done with whom because other signature is of Regional Office and if cannot be made out who is the third signatory.	प्रभागीय वनाधिकारी द्वारा प्रस्तावित वन भूमि का संयुक्त निरीक्षण, प्रस्तावित संस्था के सक्षम अधिकारी के साथ किया गया तथा संयुक्त निरीक्षण के मौके पर प्रभागीय वनाधिकारी के साथ क्षेत्रीय वन अधिकारी मड़िहान, मीरजापुर एवं विदमंफाल मौजूद थे। क्षेत्रीय वन अधिकारी मीरजापुर एवं मड़िहान की मुहर नहीं लग पायी थी, जिसे अब लगा दिया गया है।

4. इस कार्यालय के सम-संख्यक पत्र दिनांक 01.09.2018 द्वारा निम्न बिन्दुओं पर जानकारी मांगी गयी थी जो निम्न प्रकार है-

1. As per the Sr. No. 7 & 8 of the previous EDS; there is need to lay proposed forest land on Google Earth and show geo coordinates of polygon/polygons forming the proposed forest land diversion.
2. In part I (ii) (b) number of segments need correction (Sr. No. 9 of the previous EDS)
3. The land schedule for proposed forest land diversion should be chainage wise in a tabular form (Sr. No. 14 of the previous EDS).

4. Reasons for slow progress of CA (Sr. No. 23) has not been given. (Sr. No. 23 of the previous EDS).

5. The .kml files of minimum three alternatives examined for proposed alignment needs submission.

5. विशेष सचिव, उत्तर प्रदेश शासन के पत्रांक 2446/14-2-2016-800(64)/2016, दिनांक 18.12.2016 द्वारा इस कार्यालय के पत्र दिनांक 01.09.2016 द्वारा चाही गयी सूचनाओं की अनुपालना उपलब्ध करायी गयी है:-

S.No.	Conditions	Reply
1.	As per the Sr. No. 7 & 8 of the previous EDS; there is need to lay proposed forest land on Google Earth and show geo coordinates of polygon/polygons forming the proposed forest land diversion.	The geo coordinates of polygon/polygons forming the proposed forest land diversion has been attached as annexure 1 and the same has been uploaded online in Part I.
2.	In part I (ii) (b) number of segments need correction (Sr. No. 9 of the previous EDS)	Number of segments in part I (ii) b has been corrected online.
3.	The land schedule for proposed forest land diversion should be chainage wise in a tabular form. (Sr. No. 14 of the previous EDS).	Chainage wise land schedule in Tabular form is attached as annexure 2 and the same has been uploaded online in part 1.
4.	Reasons for slow progress of CA (Sr. No. 23) has not been given. (Sr. No. 23 of the previous EDS).	Progress of CA is not slow. 100% Target (366.300 hectare) has been achieved which is also Shown in Part-2 in parra 12(4) and (5) (Copy attached)
5.	The .kml files of minimum three alternatives examined for proposed alignment needs submission.	The kml files of three alternatives has been attached as annexure 3 along with soft copy in CD. The same has been uploaded online in part 1

6. इस कार्यालय के सम-संख्यक पत्र दिनांक 08.12.2016 द्वारा निम्न बिन्दुओं पर जानकारी मांगी गयी थी, जो निम्न प्रकार है:-

1. As per the Sr. No. 7 & 8 of the previous EDS; there is need to lay proposed forest land on Google Earth and show geo coordinates of polygon/polygons forming the proposed forest land diversion.

2. The .kml files of minimum three alternatives examined for proposed alignment needs submission.

7. इस कार्यालय द्वारा दिनांक 05.01.2017 को क्षेत्रीय सशक्त समिति की बैठक आहूत की गयी थी, जिसमें प्रस्ताव को ऑनलाइन प्रस्तुत न किए जाने के कारण तथा प्रयोक्ता अभिकरण के उपस्थित न होने के कारण प्रस्ताव को स्थगित (Deferred) कर दिया गया था।

8. इस कार्यालय के सम-संख्यक पत्र दिनांक 10.01.2017 द्वारा निम्न बिन्दुओं पर जानकारी मांगी गयी थी, जो निम्न प्रकार है:-

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1. As per GIS DSS analysis one of the polygon i.e. polygon 1 is inviolate.
 2. KML file of minimum three alternatives examined for selection of proposed alignment also needs submission.
 3. In pursuance of order of Hon'ble NGT is appeal no. 79 of 2004; Department of Forest, UP may review its stand on the proposal.
9. दिनांक 27.09.2017 द्वारा इस कार्यालय के सम-संख्यक पत्र दिनांक 11.01.2017 द्वारा चाही सूचनाओं की अनुपालना 45 दिनों के भीतर प्राप्त न होने पर वन संरक्षण अधिनियम 2003 के पैरा 4.14 (i) के तहत प्रस्ताव को दंड करने एवं यदि उल्लंघन हुआ है तो जिम्मेदार अधिकारी/कर्मचारी के विरुद्ध कार्रवाई करने हेतु पत्र प्रेषित किया गया था।
10. विशेष सचिव, उत्तर प्रदेश शासन के पत्रांक 2711/14-2-2017, दिनांक 22.11.2017 द्वारा इस कार्यालय के पत्र दिनांक 27.09.2017 द्वारा चाही गयी सूचनाओं की अनुपालना उपलब्ध करायी गयी है।
11. इस कार्यालय के सम-संख्यक पत्र दिनांक 11.12.2017 द्वारा अनुसचिव (वन) उत्तर प्रदेश शासन को यह निर्देश दिया गया था कि इस कार्यालय के सम-संख्यक पत्र दिनांक 11.07.2017 द्वारा चाही गयी सूचनाओं की अनुपालना तथा प्रकरण में किसी भी स्तर से वन संरक्षण अधिनियम 1980 का उल्लंघन तो नहीं किया गया यह सुनिश्चित करने हेतु पत्र प्रेषित किया गया था।
12. इस कार्यालय के सम-संख्यक पत्र दिनांक 29.10.2021 द्वारा अतिरिक्त मुख्य सचिव को पत्र प्रेषित किया था।
13. इस कार्यालय के सम-संख्यक पत्र दिनांक 07.01.2022 द्वारा प्रमुख सचिव वन को पत्र प्रेषित किया था।
14. इस कार्यालय के सम-संख्यक पत्र दिनांक 12.01.2022 द्वारा स्थल निरीक्षण हेतु गठित समिति से निम्न अपेक्षाएँ की गयी थी :-
1. Whether the two Gata No.s 180 and 216 ja of Dadri Khurd village recorded as Jhari in revenue record has been included in the list of Deemed forest as Forest like area?
 2. What is the criteria adopted by State of UP for declaring any area as Deemed Forest/Forest like area?
 3. The Geo-referenced map of the said area may be provided for DSS-analysis of the same.
 4. Ascertaining the presence of biodiversity (floral and faunal) during the site visit.
 5. As per Para 2.1.2 of Ministry's office memorandum F.No. 7-31/2007-FC (pt.-III) dated 10-01-2014, "the Hon'ble Supreme Court in the Lafarge Judgment inter-alia directed that (in the application seeking environment clearance) if the project proponent makes a claim regarding status of the land being non-forest and if there is any doubt about the claim the site shall be inspected by the State Forest Department along with Regional Office of MoEF to ascertain the status of forests, based on which the certificate in this regard be issued. In all such cases, it would be desirable for the representative of State Forest Department to assist the Expert Appraisal Committee."
15. दिनांक 17.01.2022 को उप वन महानिदेशक (केन्द्रीय) की अध्यक्षता में उक्त प्रकरण पर एक बैठक आयोजित की गयी, जिसमें निम्न अधिकारियों ने भाग लिया:-
1. श्री सुनील दूबे, मुख्य वन संरक्षक भूमि अभिलेख एवं बंदोबस्त, लखनऊ।
 2. श्री रमेश चन्द्र झा, मुख्य वन संरक्षक, मिर्जापुर।
 3. श्री पी0एस0 त्रिपाठी, प्रभागीय वनाधिकारी, मिर्जापुर।



4. श्री पी०के० शुक्ला, उप प्रभागीय वनाधिकारी, चुनार।

16. प्रयोक्ता अभिकरण के पत्र दिनांक 24.08.2022 द्वारा इस कार्यालय द्वारा दिनांक 17.01.2022 को बैठक में लिए गए निर्णय के अनुसार अनुपालना उपलब्ध करायी गयी है।

17. इस कार्यालय के सम-संख्यक पत्र दिनांक 04.11.2022 द्वारा प्रमुख सचिव वन को निम्न बिन्दुओं पर सूचना प्रेषित करने हेतु पत्र भेजा गया था :-

1. Whether the two Gata Nos. 180 and 216 ja of Dadri Khurd village recorded as Jhari in revenue record has been included in the list of Deemed forest as Forest like area?
2. What is the criteria adopted by State of UP for declaring any area as Deemed Forest/Forest like area?
3. The Geo-referenced map of the said area may be provided for DSS-analysis of the same.

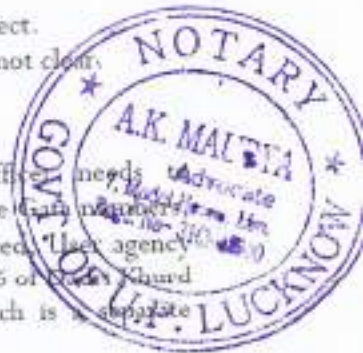
18. मुख्य वन संरक्षक/नोडल अधिकारी, लखनऊ के पत्र संख्या 3276/11-सी-
FP/UP/Thermal/14236/ 2015, दिनांक 25/04/2024 द्वारा इस कार्यालय के पत्र
दिनांक 04/11/2022 द्वारा चाही गई सूचना की अनुपालना उपलब्ध करायी गयी है, जो निम्न है:-

Sr. No.	Information sought	Reply
1	Whether the two Gata Nos. 180 and 216 ja of Dadri Khurd village recorded as Jhari in revenue record has been included in the list of Deemed forest as Forest like area?	ग्राम-ददरीखुर्द, तहसील-सदर, मीरजापुर का गाटा संख्या-180 एवं 216ज राजस्व अभिलेखों में झाड़ी के नाम से दर्ज है। (खतोनी की प्रति संलग्न) है। जनपद-मीरजापुर में वन स्वरूप क्षेत्रों की सूची में ग्राम-ददरी खुर्द तथा उक्त गाटा संख्या-180 एवं 216 ज सम्मिलित नहीं है। (जनपद मीरजापुर में चिह्नित वन स्वरूप क्षेत्रों की सूची संलग्न है।)
2	What is the criteria adopted by State of UP for declaring any area as Deemed Forest/Forest like area?	कार्यालय प्रमुख वन संरक्षक, उ०प्र० लखनऊ के पत्रांक-275/पी०ए०/आई०ए० (वनस्वरूप) लखनऊ दिनांक 20.12.2007 द्वारा वन स्वरूप क्षेत्रों के चिह्निकरण हेतु मानक निर्धारित करते हुये प्रमुख सचिव, उ०प्र० शासन, अनुभाग-2, लखनऊ को प्रेषित पत्र में राज्य स्तरीय विशेषज्ञ समिति की आयोजित बैठक दिनांक 19.12.2007 में समिति द्वारा वन स्वरूप क्षेत्र का चिह्निकरण हेतु मानक निर्धारित करने की संस्तुति की गयी है। (प्रति संलग्न)। निर्धारित मानक के अनुसार वन स्वरूप क्षेत्र हेतु विन्ध्य एवं बुन्देलखण्ड के क्षेत्र में भूमि का न्यूनतम क्षेत्रफल 3 हे०, जिसमें प्रति हे० बहुवर्षीय प्रजाति के 100 पेड़ होना चाहिये। जबकि 1. ग्राम-ददरी खुर्द, विन्ध्य एवं बुन्देलखण्ड क्षेत्र

		में पड़ता है खसरा न0-180 का क्षेत्रफल मात्र 1.010 हे0 तथा खसरा न0 216ज/0.490 हे0 है जो वन स्वरूप क्षेत्र के लिये न्यूनतम निर्धारित क्षेत्रफल 3 हे0 के सापेक्ष बहुत कम है। 2-खसरा न0-180 तथा खसरा न0-216ज में प्राकृतिक रूप से उगे बहुवर्षीय प्रजाति के वृक्ष नहीं हैं। उपरोक्त तथ्यों के आधार पर स्पष्ट है कि खसरा न0-180 व 216ज वन स्वरूप क्षेत्र की सूची में नहीं है तथा वन स्वरूप क्षेत्र के पदकवू लिये निर्धारित मानक के परिधि के अन्तर्गत भी नहीं है।
3	The Geo-referenced map of the said area may be provided for DSS-analysis of the same,	As per DSS report the Geo-referenced map of the said area is still not resolved. The Geo-referenced map/SOI toposheet has not been provided.

19. इस कार्यालय द्वारा दिनांक 03.06.2024 को क्षेत्रीय सशक्त समिति की बैठक आयोजित की गयी, जिसमें निम्न बिन्दुओं के अभाव में प्रकरण को स्थगित (Deferred) कर दिया गया—

1. Details regarding KML files, CA land and other information, presented during the meeting need to be uploaded on portal and forwarded by the Nodal Officer. Accordingly, following information, as presented during meeting, need to be uploaded/ provided.
 - a) KML file of the area proposed for diversion is still not rectified. Uploaded KML file of the area proposed for diversion is in point format.
 - b) The proposed CA land has been proposed in Non-forest land under the Kaimur WLS area. This needs to be confirmed by DFO & Nodal Officer.
 - c) Still Geo-referenced map of the proposed forest land along with toposheet map has not uploaded on Parivesh Portal.
 - d) The said project is related to laying of water pipeline and approach access to the thermal power plant but it is not clear from the uploaded kml file as well as Geo reference map.
 - e) Area calculation along with land schedule is not uploaded.
 - f) Comparative study of Alternatives routes has not been explored for the Project.
 - g) Legal Status of land and Current status of proposed Thermal Power Plant is not clear.
2. FRA certificate along with Gram Sabha resolution needs to be uploaded.
3. After detailed discussion, the committee decided that the Nodal officer needs to negate/examine the applicability of the FCA on such lands in respect of above Gata numbers which are classified as jhari on the basis of records and accordingly, if required, User agency needs to submit proposal for diversion of forest land for Gata Nos. 180 and 216 of Block Shurd village required for construction in respect of Thermal Power plant, which is a separate proposal for which EC has been accorded.



20. मुख्य वन संरक्षक/नोडल अधिकारी के पत्र संख्या 341/11-सी-
FP/UP/Thermal/14236/2015, दिनांक 05.08.2024 द्वारा इस कार्यालय के पत्र

[Signature]

दिनांक 24.06.2024 द्वारा चाही गयी सूचना की अनुपालना आख्या उपलब्ध करायी गयी है, जो निम्न प्रकार है:-

क्र०सं०	आपत्ति	अनुपालना आख्या
1.	Details regarding KML files, CA land and other information, presented during the meeting need to be uploaded on portal and forwarded by the Nodal Officer. Accordingly, following information, as presented during meeting, need to be uploaded/provided.	
a.	KML file of the area proposed for diversion is still not rectified. Uploaded KML file of the area proposed for diversion is in point format.	As per DSS analysis, the KML file of the area proposed for diversion has been resolved. The revised KML file has been uploaded.
b.	The proposed CA land has been proposed in Non-forest land under the Kaimur WLS area. This needs to be confirmed by DFO & Nodal Officer.	As per DSS analysis, the CA in WLS, comments of the concerned DFO has been uploaded.
c.	Still Geo-referenced map of the proposed forest land along with toposheet map has not uploaded on Parivesh Portal.	As per DSS analysis, the revised Geo referenced map and SOI toposheet has been uploaded.
d.	The said project is related to lying of water pipeline and approach access to the thermal power plant but it is not clear from the uploaded kml file as well as Geo reference map.	As per DSS analysis, the revised Geo referenced map and SOI toposheet has been uploaded.
e.	Area calculation along with land schedule is not uploaded.	Area calculation is uploaded in Parivesh portal. Provided at TOC page no. 12
f.	Comparative study of Alternatives routes has not been explored for the Project.	Provided at TOC page no. 13
g.	Legal Status of land and Current status of proposed Thermal Power Plant is not clear.	Provided at TOC page no. 40
2.	FRA certificate along with Gram Sabha resolution needs to be uploaded.	Provided at TOC page no. 15-39
3.	After detailed discussion, the committee decided that the Nodal officer needs to negate/examine the applicability of the FCA on such lands in respect of above Gata numbers, which are classified as jhari on the basis of records and accordingly, if required, User agency needs to submit proposal for diversion of forest land for Gata Nos. 130 and 216 of Dadri Khurd village required for construction in respect of Thermal Power plant, which is a separate proposal for which EC has been accorded.	Provided at TOC page no. 44-45

21. इस कार्यालय के सम-संख्यक पत्र दिनांक 17.09.2024 द्वारा प्रकरण में माननीय न्यायालय द्वारा की गयी कार्यवाई एवं निर्णय से इस कार्यालय को अवगत कराने हेतु पत्र प्रेषित किया गया था।

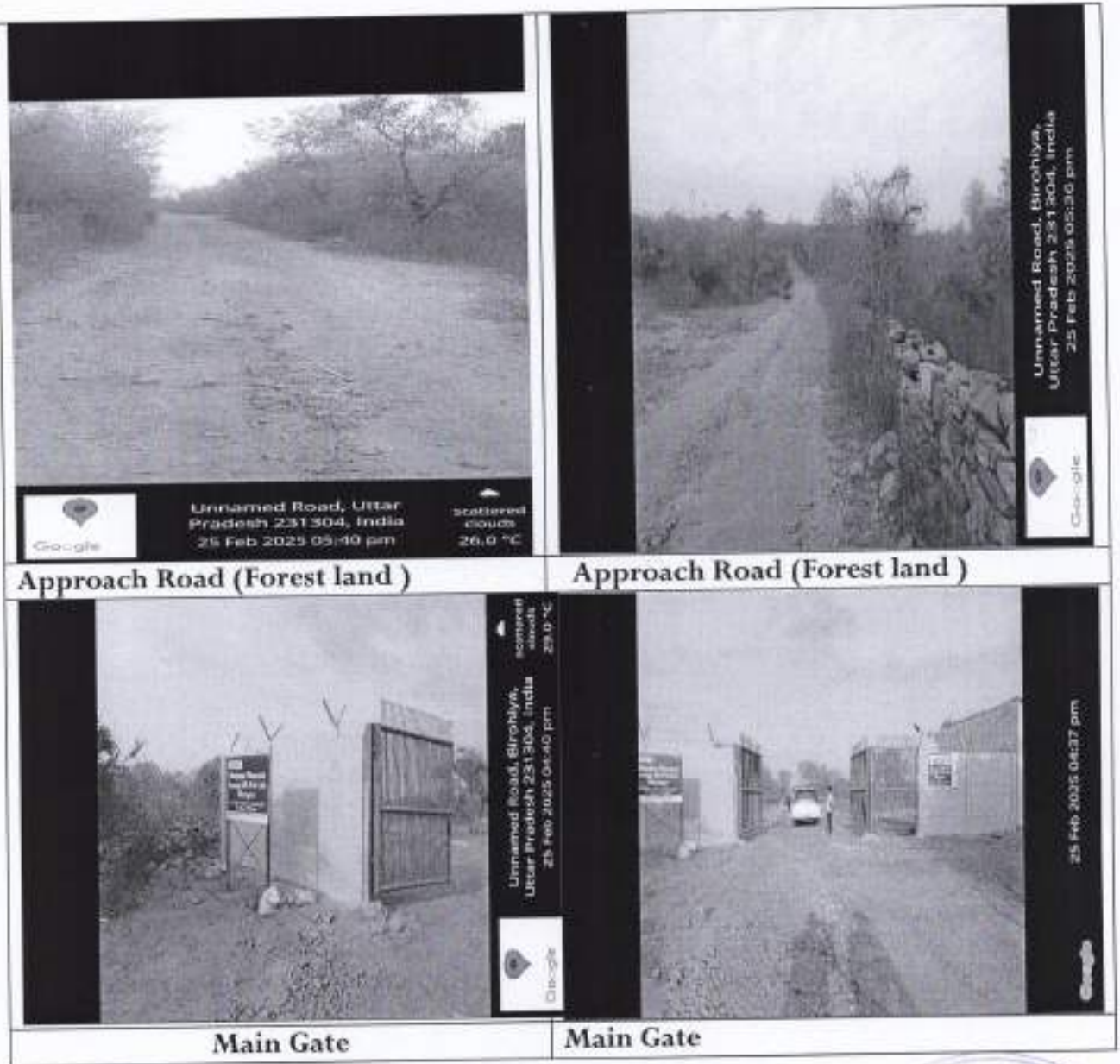





22. प्रस्तुत पत्र श्री आर०एन० शुक्ला, मिर्जापुर थर्मल एनर्जी यूपी प्राइवेट लिमिटेड से पत्र संख्या MTEUPPL/TPP/FCA/1609/2024, दिनांक 11.10.2024 द्वारा प्राप्त हुआ है, जिसके द्वारा अनुरोध किया गया है कि आगामी क्षेत्रीय सशक्त समिति की बैठक में उक्त प्रस्ताव को वन संरक्षण अधिनियम, 1980 की धारा-2 के तहत सैद्धांति स्वीकृति निर्गत करने का अनुरोध किया गया है।

यहां यह भी अवगत कराना है कि उक्त प्रकरण माननीय न्यायालय में विचाराधीन है। इस बावत में इस कार्यालय के पत्र दिनांक 24.09.2024 को प्रकरण में माननीय न्यायालय द्वारा की गयी कार्रवाई एवं निर्णय से इस कार्यालय को अवगत कराने हेतु पत्र प्रेषित किया गया था।



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Annexure-IIPhotograph taken during Site inspection of the project

 <p>Unnamed Road, Birehaya, Uttar Pradesh 231304, India 25 Feb 2025 04:40 pm scattered clouds 29.0 °C</p>	 <p>SH 5, Kothwa Pandey, Uttar Pradesh 231211, India 25 Feb 2025 04:38 pm</p>
<p>Security cabin and Precast boundary Pillars/wall</p>	<p>Precast boundary pillars/wall</p>
 <p>Unnamed Road, Mahawan, Uttar Pradesh 231304, India 25 Feb 2025 05:22 pm scattered clouds 26.0 °C</p>	 <p>Unnamed Road, Birehaya, Uttar Pradesh 231304, India 25 Feb 2025 04:46 pm scattered clouds 29.0 °C</p>
<p>Unused/damaged ready-made boundary pillars</p>	<p>Barren land and crossing high tension wires</p>
 <p>Unnamed Road, Uttar Pradesh 231304, India 25 Feb 2025 05:09 pm scattered clouds 26.0 °C</p>	 <p>Unnamed Road, Uttar Pradesh 231304, India 25 Feb 2025 05:08 pm scattered clouds 26.0 °C</p>
<p>Electricity pole with wire</p>	<p>Abundant well</p>



 <p>Unnamed Road, Majhapur, Uttar Pradesh 231304, India 25 Feb 2025 05:22 pm 26.0 °C</p>	 <p>Unnamed Road, Uttar Pradesh 231304, India 25 Feb 2025 05:19 pm</p>
<p>Rain water harvesting pond for storage of rain water</p>	<p>Rain water harvesting pond for storage of rain water</p>
 <p>SH 5, Koteva Pandey, Uttar Pradesh 231211, India 25 Feb 2025 05:04 pm 26.0 °C</p>	 <p>Unnamed Road, Uttar Pradesh 231304, India 25 Feb 2025 05:07 pm 26.0 °C</p>
<p>Fresh industrial cables with wooden/plastic drums and other related materials</p>	<p>Fresh industrial cables with wooden/plastic drums and other related materials</p>

