



Government of India

Ministry of Environment, Forest and Climate Change

IA Division

(Thermal Projects)



AGENDA FOR 13TH MEETING OF THE EXPERT APPRAISAL COMMITTEE (EAC)
(THERMAL POWER PROJECTS) TO BE HELD ON 1ST OCTOBER, 2024

| | |
|----------------------|---|
| Agenda ID | EC/AGENDA/EAC/987747/9/2024 |
| Agenda Creation Date | 01/10/2024 |
| Title of Meeting | AGENDA FOR 13TH MEETING OF THE EXPERT APPRAISAL COMMITTEE (EAC) (THERMAL POWER PROJECTS) TO BE HELD ON 1ST OCTOBER, 2024 |
| Meeting Mode | Virtual |
| Meeting Venue | N/A |
| Meeting Date | Start Date : 01/10/2024 End Date : 01/10/2024 |

| Meeting Date | Meeting Mode | Start Time | End Time |
|---------------------|--------------|------------|----------|
| Day 1 01/10/2024 | Virtual | 10:30 AM | 05:30 PM |

List of Proposals

| Sr. No. | Proposal Details | Location | Meeting Date | Proponent |
|---------|--|--|--------------|---------------------|
| 1 | Proposal No : IA/CG/THE/490693/2024 File No : J-13012/62/2008-IA. II(T) Project Name : Proposed Expansion of Raipur Thermal Power Plant by adding 1600 (2x800) MW Ultra Super-Critical to existing 1370 (2x685) MW in CSIDC Industrial Area, at Village Raikheda, | State: CHHATTISGARH District: RAIPUR | 01/10/2024 | Adani Power Limited |

| | | | | |
|---|--|--|------------|----------------------|
| | Gaitara & Chicholi, Tilda Block, Raipur District, Chhattisgarh by Adani Power Limited Proposal For: Fresh EC Activity: 1(d) Thermal Power Plants Sector: THE | | | |
| 2 | Proposal No : IA/MP/THE/495356/2024 File No : J-13012/144/2010-IA-II(T) Project Name : Proposed 4x800 MW Coal Based Ultra Super Critical Thermal Power Plant (USCTPP) at Villages Chhatai, Majhtoliya & Umarda, Tehsil Kotma, District Anuppur, Madhya Pradesh by ANUPPUR THERMAL ENERGY (MP) PRIVATE LIMITED Proposal For: Fresh ToR Activity: 1(d) Thermal Power Plants Sector: THE | State: MADHYA PRADESH District: ANUPPUR | 01/10/2024 | Adani Power Limited |
| 3 | Proposal No : IA/CG/THE/472414/2024 File No : J-13012/117/2008-IA.II(T) Project Name : Amendment in EC of 4X600 MW Thermal Power Plant of M/s Jindal Power Ltd. at Village Tamnar, Taluk Gharghoda, District Raigarh (Chhattisgarh) Proposal For: Amendment in EC Activity: 1(d) Thermal Power Plants Sector: THE | State: CHHATTISGARH District: RAIGARH | 01/10/2024 | JINDAL POWER LIMITED |

Any Other Item(s)

| Sr. No. | Proposal Name. | Proposal Details | Location |
|---------|----------------|------------------|----------|
|---------|----------------|------------------|----------|

Expert Appraisal Committee Members Details

| Sr. No. | Name | Designation | Email ID |
|---------|---------------------------------|---------------|-------------------------|
| 1 | Dr Sharad Singh Negi | Chairman, EAC | sha*****@gmail.com |
| 2 | Dr Santoshkumar Hampannavar | Member (EAC) | san*****@yahoo.com |
| 3 | Dr Umesh Jagannathrao Kahalekar | Member (EAC) | uka*****@rediffmail.com |
| 4 | Shri K B Biswas | Member (EAC) | bis*****@gmail.com |
| 5 | Dr Nazimuddin | Member (EAC) | naz*****@nic.in |
| 6 | Shri Mahi Pal Singh | Member (EAC) | mps*****@nic.in |
| 7 | Sundar Ramanathan | Scientist E | r.s*****@nic.in |
| 8 | Sh Inder Pal Singh Matharu IFS | Member (EAC) | mat*****@gmail.com |
| 9 | Sh Lalit Kapur | Member (EAC) | lka*****@yahoo.com |
| 10 | Dr Umesh Jagannathrao Kahalekar | Member (EAC) | uka*****@gmail.com |

| | | | |
|----|--------------------------|--------------|-----------------------|
| 11 | Sh Savalge Chandrasekhar | Member (EAC) | sav*****@gmail.com |
| 12 | Prof Shyam Shanker Singh | Member (EAC) | sin*****@gmail.com |
| 13 | Dr Vinod Agrawal | Member (EAC) | vin*****@yahoo.com |
| 14 | Shri Harmeet Sahaney | Member (EAC) | har*****@imd.gov.in |
| 15 | Prof R M Bhattacharjee | Member (EAC) | rmb*****@iitism.ac.in |

| | |
|----------------|-----------------|
| Remarks | Agenda uploaded |
|----------------|-----------------|



AGENDA FOR 13TH MEETING OF THE EXPERT APPRAISAL COMMITTEE (EAC) (THERMAL POWER PROJECTS) TO BE HELD ON 1ST OCTOBER, 2024 DURING 10:30 AM – 05:30 PM THROUGH VIRTUAL MODE.

Instructions to Project Proponents:

1. The EAC meeting will be held through Virtual Mode.
2. Project Proponents shall send the following through e-mail to all members immediately by 23rd September, 2024. E-mails of all members are given at page No. 4-5:
 - a) Duly filled in Agenda Form given at page No. 6.
 - b) Basic Information in the Formats given at page Nos. 7-18.
 - c) Executive Summary
 - d) **.kml** shape file showing boundaries of project facilities (plant, ash dyke, rail/transmission lines, intake water point, water pipelines, etc.)
 - e) Presentation (.pdf to all members, PPT format to EAC Secretariat officials (**Shri Sundar Ramanathan, Scientist 'E' & Member Secretary (r.sundar@nic.in), / Dr. Rajesh Prasad Rastogi, Scientist 'D' (rp.rastogi@gov.in)/ ia1.thermal@gmail.com.**)
 - f) Duly filled in Undertaking at pg.19
 - g) Copy of Valid NABET-QCI Certificate of Consultants
3. The proposals listed in the agenda are given below. **Those proponents whose details are received as per the Sl.No.2 will only be taken up for Video-conference and to be followed strictly.**
4. Details of project proponents and number of online access points required are to be sent in advance. Only two persons from Proponent side. For any clarification, Shri Sundar Ramanathan, Scientist 'E' at 011-20819378 may be contacted.
5. The presentation should be completed within 20 minutes to facilitate longer discussion on various environment aspects on the project proposal.
6. Only 3-4 access points (number of devices, computer/laptop/mobile) will be permitted for one proposal/proponent which include consultants. Only one project proponent will be connected to EAC as per their slot. Remaining proponents have to wait for their time slot for joining VC meeting.
7. After receiving the information from proponent, a link will be sent to selective people for installing a software for video-conference. All proponents can join the conference between 10:15 AM - 10:30 AM on 30.09.2024 for testing purpose. However, the actual meeting will commence at 10:30 AM.
8. Project Proponent shall present salient points of the proposal. Only one person should speak at a time and keep the audio switched off during conference. Remaining shall keep their audio on 'mute' mode.

9. Time slots are given for each project. Accordingly, Project Proponents shall be ready for online connection at least 10 min before their given slot. If any problem faced please contact Mr. Harish, Moderator, NIC (Mobile No. 8800571304] / Mr. Mukesh, Moderator, NIC (Mobile No. 8700847932) (email- support-ipb@nic.in).
10. A short duration videography of the project area is to be presented before the EAC for better understanding of the project site, if available.
11. Hardcopies of the DPR or the detailed EIA, EMP, etc. need not be sent to the EAC members and the same shall be sent by email to all the EAC members.
12. In addition to the above information, an affidavit/undertaking is required to be submitted by the Project Proponent to the Ministry to the effect, namely:
 - a. That there is no construction done at the site or the construction done without any deviation as per previous EC obtained (Ref.)
 - b. Affidavit should also submit that there is no litigation on the project either at NGT or any other court of Law.
 - c. The land has been purchased by / allotted by Development authority. The land is in our possession and there is no R&R issue.
 - d. There is no difference in the documents submitted i.e., Form 1, 1A, Conceptual Plan, Form-2, EIA/EMP report and presentation being made to the EAC.
 - e. Reason for submitting the project at MoEF&CC.
13. The Consultant/ EIA Coordinator shall include an undertaking in the EIA report that the prescribed ToR have been complied with and that the data submitted is factually correct and also an undertaking shall be submitted owning the contents (information and data) of the EIA report.
14. Mobile Phone should be kept on switched off/silent mode during the meeting.

AGENDA OF 13TH MEETING OF THE EXPERT APPRAISAL COMMITTEE ON THERMAL POWER PROJECTS

DATE : 1st October, 2024
TIME : 10:30 AM – 05:30 PM
MODE : Virtual MODE

| | |
|--------------------------------------|---|
| | Confirmation of the minutes of 12th EAC Meeting held on 29/08/2024 |
| Agenda Item No. 13.1 10:30 AM | Proposed Expansion of Raipur Thermal Power Plant by adding 1600 (2x800) MW Ultra Super-Critical to existing 1370 (2x685) MW by M/s. Adani Power Limited in CSIDC Industrial Area, at Village Raikheda, Gaitara & Chicholi, Tilda Block, Raipur District, Chhattisgarh - Environmental Clearance – regarding. [Proposal No. IA/CG/THE/490693/2024; F. No. J-13012/62/2008-IA. II(T)] |
| Agenda Item No. 13.2 12.00 AM | Proposed 4x800 MW Coal Based Ultra Super Critical Thermal Power Plant (USCTPP) by M/s. Anuppur Thermal Energy (MP) Pvt. Ltd. at Villages Chhatai, Majhtoliya & Umarda, Tehsil Kotma, District Anuppur, Madhya Pradesh – Terms of Reference – regarding. [Proposal No. IA/MP/THE/495356/2024; F. No. J-13012/144/2010-IA. II(T)] |
| | LUNCH (01:00 PM) |
| Agenda Item No. 13.3 02:30 PM | 4x600 MW unit Coal based Thermal Power Plant by M/s Jindal Power Limited (JPL) located at Village Tamnar, Taluk Gharghoda, District Raigarh, Chhattisgarh – Amendment in EC – regarding. [Proposal No. IA/CG/THE/472414/2024; F. No. J-13012/117/2008-IA. II(T)] |
| | Additional agenda with the permission of the Chair (if any) |

List & Correspondence addresses of Members of EAC (Thermal Power)

| S. No. | Name & Address | Role | E-mail |
|---------------|--|-----------------|--|
| 1. | Dr. Sharad Singh Negi (I.F.S. Retd.) Ex DGF, MoEFCC 178, Subhash Road, Dehradun - 248 001, Uttarakhand | Chairman | sharadnegi1957@gmail.com |
| 2. | Shri Inder Pal Singh Matharu, IFS (Retd.) A-12, Haridas Ji Magri, Trident Hotel Road, Udaipur - 313001, Rajasthan | Member | matharu0204@gmail.com |
| 3. | Shri Lalit Kapur Retd. Adviser, MoEFCC A1/337 Janakpuri, New Delhi - 110058 | Member | lkapoor2000@yahoo.com |
| 4. | Dr. Umesh Jagannathrao Kahalekar B1-704, Acolade Housing Society, Tukaramnagar, Kharadi, Pune - 411 014 | Member | ukahalekar@rediffmail.com |
| 5. | Dr. Santosh Kumar Hampannavar Dean (R&D), SDM College of Engineering and Technology, Dharwad, Karnataka - 580 002 | Member | santoshkumar777@yahoo.com |
| 6. | Shri Savalge Chandrasekhar House No. B-309, Express Apartments, Lakdi-ka pul, Khairatabad, Hyderabad - 500 004 | Member | savalgec@gmail.com |
| 7. | Shri K. B. Biswas Former Chairman Central Ground Water Board, Camellia Apartment, 313, Natunpally, Ghasiara More, Sonarpur, Kolkata - 700150 | Member | biswaskiriti@gmail.com |
| 8. | Prof. Shyam Shanker Singh Guru Ghasidas Central University, Bilaspur, Chhattisgarh | Member | singhss.ggu@gmail.com |
| 9. | Dr. Vinod Agrawal Retd. Professor of Geology 161, Sarva Ritu Vilas, Udaipur - 313 001 | Member | vinodudz@yahoo.com |
| 10. | Dr Nazimuddin, Scientist - F | Member | Nazim.cpcb@nic.in |

| S. No. | Name & Address | Role | E-mail |
|---------------|---|---------------------|--|
| | Representative of Central Pollution Control Board | | |
| 11. | Shri Mahi Pal Singh, Chief Engineer (TPPD) Representative of Central Electricity Authority (CEA) | Member | Mpsingh.cea@nic.in |
| 12. | Shri Harmeet Sahaney Representative of Indian Meteorological Department (IMD) | Member | harmeet.sawhney@imd.gov.in |
| 13. | Prof. R M Bhattacharjee Dept. of Mining Engineering IIT (ISM), Dhanbad Jharkhand – 826004 Representative of IIT/ISM Dhanbad | Member | rmbhattacharjee@iitism.ac.in |
| 14. | Shri Sundar Ramanathan Scientist 'E', MoEF&CC | Member Secretary | r.sundar@nic.in |



Agenda Form

| | |
|------------|---------------------------------|
| Agenda No: | Project Proponent Organisation: |
| | Consultant Organisation: |
| | Subject: |

| Attendance Sheet: | | | |
|---|------|-----------------------|---|
| Sl.No. | Name | E-mail & Phone Number | Whether 'Video Conference' access is required or not. (Yes/No) |
| Project Proponent: | | | |
| Name and Phone no. of Coordinator for video-conference: | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| Consultants: | | | |
| 5 | | | |
| 6 | | | |

Date:

(SIGNATURE OF AUTHORISED REPRESENTATIVE)

Place :

NAME & DESIGNATION :

Contact Nos. & E-mail :

**Name of the project
Addressed detailed
E-mail/contact No.**

Format for brief summary for EC/ToR

Subject:- Environmental Clearance/Terms of Reference- reg.

[Proposal NO....., F.NO.....]

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

- i. The proposal is for environmental clearance/ToR to the project for located at by M/s.
- ii. The project proposal was considered by the Expert Appraisal Committee (Thermal/ Sector) in itsth meeting held during and recommended for grant of Terms of References (ToRs) for the Project. The ToR has been issued by Ministry vide letter No.J.....; dated**(In case of EC Proposal)**
- iii. All are listed at S.N. of the Schedule to the Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).
- iv. Ministry had issued EC earlier vide letter no.; dated to the existing project... in favour of M/s.(**in Expansion case**/if applicable).
- v. The estimated project cost is Rs..... including existing investment of Rs..... crores. Total capital cost earmarked towards environmental pollution control measures is Rs..... and the Recurring cost (operation and maintenance) will be about Rs..... per annum.
- vi. Total Employment will be persons as direct & persons indirect after expansion. Industry proposes to allocate Rs..... @ of % towards CER (as per Ministry's OM dated....).
- vii. There are national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River/ water body..... is flowing at a distance ofin.....direction.
- viii. Effluent of quantity will be treated through.....
The plant will be based on Zero Liquid discharge system **(if applicable)**.
- ix. Power requirement after expansion will be including existing KVA and will be met from State power distribution corporation limited (...SPDCL). Existing unit has DG sets ofcapacity, additionally 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 TPH fired boiler. Additionally ----TPH ----fired boiler will be installed. Multi cyclone separator/ bag filter with a stack of height of m will

be installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the proposed boilers.

- xi. Details of Solid waste/ Hazardous waste generation and its management.....
- xii. Public Hearing for the proposed project has been conducted by the State Pollution Control Board onThe main issues raised during the public hearing are related to.....**(Applicable for EC proposals)**
- xiii. **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), which works out to ____ Ha for proposed expansion.
The proposed power plant has total ash pond area ____ Ha i.e. ____ % of the total project area ____ Ha (for proposed expansion - ____ Ha, if applicable). Total ash pond area is required for the proposed plant is within the stipulated norms dated 31.12.2021.
- xiv. **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 ----- m³/MWh, which will be well within the stipulated norms of Notification dated 07.12.2015/28.06.2018.
- xv. The water drawl permission of has been obtained from vide letter no. dated
- xvi. **Details of Coal Linkage:** The MoEF&CC has issued various OM and Notification which has been mentioned as under:
 - a)
 - b)
 - c)
 - d)The present coal linkage of proposed thermal power plant is from MOU / permission for MTPA of coal has been obtained from vide letter no. dated
- xvii. Details of Certified compliance report submitted by RO, MoEF&CC. **(In case of expansion Proposal).**

| S. No. | Non-Compliance Details | Observation of RO (abridged) | Condition No | | | Re-assessment by RO | Response of PP |
|--------|------------------------|------------------------------|--------------|----------|---------|---------------------|----------------|
| | | | EC date | Specific | General | | |
| | | | | | | | |

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

A. Court cases

| S.No. | Case No/Title | Name of the Court | Brief summary of the case | Last date of hearing | Next date of hearing | Direction/Action taken by the PP |
|-------|---------------|-------------------|---------------------------|----------------------|----------------------|----------------------------------|
| | | | | | | |

B. Show cause notices

| S.No. | Date of issuance | Name of the issuing | Brief summary of the SCN | Action taken by the PP | Present status of SCN |
|-------|------------------|---------------------|--------------------------|------------------------|-----------------------|
| | | | | | |

xix. **Baseline Environmental Scenario:**

| Period | From ----- to ----- |
|--|--|
| AAQ parameters at -- locations (min. & Max.) | <ul style="list-style-type: none"> • PM₁₀ = -- to -- µg/m³ • PM_{2.5} = -- to -- µg/m³ • SO₂ = -- to --µg/m³ • NO_x = -- to -- µg/m³. • CO = ---- to ---- mg/m³ • NH₃= • Pb= • As = • Ni= |
| Incremental GLC Level | <ul style="list-style-type: none"> • PM = Max. GLC : ---- µg/m³ • SO₂ = Max GLC: ---- µg/m³ • NO_x = Max GLC: ---- µg/m³ |

| | |
|--|---|
| <p>River water samples (--- samples)</p> | <p>pH ---to ---, Dissolved Oxygen: ---to --- mg/lit; Total Dissolved Solids: ---to --- mg/lit; Total Hardness (as CaCO₃): ---to --- mg/lit & total Alkalinity (asCaCO₃): ---to --- mg/lit; Calcium (as Ca): ---to --- mg/lit; Magnesium (as Mg) : ---to --- mg/lit ; Oil and grease: ---to --- (mg/lit); Sulphate (as SO₄): ---to --- mg/lit , Nitrate (asNO₃) : ---to --- mg/lit; Chloride (as Cl) : ---to --- mg/lit; Iron (as Fe): ---to --- mg/lit; BOD ---to --- mg/lit;</p> <p>Heavy metals like Copper (as Cu), Lead (as Pb), Cadmium(as Cd),Chromium (as Cr), Manganese (as Mn), Arsenic (as As) and Mercury(as Hg) :</p> |
| <p>Pond water samples quality at --- locations</p> | <p>pH: ---to ---; Dissolved Oxygen: ---to --- mg/lit; Total Dissolved Solids: ---to --- mg/lit; total Hardness (as CaCO₃): ---to --- mg/lit; Total Alkalinity(asCaCO₃): ---to --- mg/lit; Calcium (as Ca): ---to --- mg/lit; Magnesium (as Mg): ---to --- mg/lit; Oil and grease: ---to --- (<1.4 mg/lit); Sulphate (asSO₄): ---to --- mg/lit, Nitrate (as NO₃): ---to --- mg/lit; Chloride (as Cl): ---to --- mg/lit; Iron (as Fe): ---to --- mg/lit;</p> <p>Heavy metals like Copper (as Cu), Lead (as Pb), Cadmium(as Cd),Chromium (as Cr), Manganese (as Mn), Arsenic (as As) and Mercury(as Hg) :</p> |
| <p>Ground Water samples at --- locations</p> | <p>pH: ---to ---; Dissolved Oxygen: ---to --- mg/lit; Total Dissolved Solids: ---to --- mg/lit; total Hardness (as CaCO₃): ---to --- mg/lit; Total Alkalinity(asCaCO₃): ---to --- mg/lit; Calcium (as Ca): ---to --- mg/lit; Magnesium (as Mg): ---to --- mg/lit; Oil and grease: ---to --- (<1.4 mg/lit); Sulphate (asSO₄): ---to --- mg/lit, Nitrate (as NO₃): ---to --- mg/lit; Chloride (as Cl): ---to --- mg/lit; Iron (as Fe): ---to --- mg/lit;</p> <p>Heavy metals like Copper (as Cu), Lead (as Pb), Cadmium(as Cd),Chromium (as Cr), Manganese (as Mn), Arsenic (as As) and Mercury(as Hg) :</p> |

| | |
|--|---|
| Noise levels Leq (Day & Night) at -- locations | The Leq values for day time was observed to be ---to --- dB (A) in residential area, while during night time ---to --- dB (A). |
| Soil Quality at -- Locations | Bulk density: ---to --- gm/cm ³ ; pH range ---to ---; Electrical conductivity (EC); ---to --- μmhos/cm; calcium content: ---to --- mg/kg; sodium: ---to --- mg/kg; potassium: ---to --- mg/kg; Nitrogen: ---to --- mg/kg; Phosphorous: ---to --- mg/kg; Cation Exchange Capacity (CEC): ---to --- meq/100gm; Magnesium: ---to --- mg/kg; Sulphur: ---to --- mg/kg; Organic Matter: ---to --- |
| Flora & Fauna | Schedule-I species observed in the study area: |

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

- **EAC Meeting Details:**

| | |
|------------------------------|--|
| Date of earlier EAC meetings | |
|------------------------------|--|

- **Category details:**

| | |
|--|--|
| Category of the project | |
| Capacity | |
| Attracts the General Conditions (Yes/No) | |
| Additional information (if any) | |

- **Project details:**

| | |
|--|--|
| 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) | a) TPP site; b) Ash pond site; c) township etc. |
| Accredited Consultant and certificate no. | |
| Inter- state issue involved | |
| Seismic zone | |

• **Land Area Breakup:**

| | |
|--|--|
| 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) | |
| Status of Land Acquisition: | |
| 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. | |
| Break-Up of land-use of TPP site: | |

| | |
|---|--|
| <p>a. Total land required for project components</p> <p>b. Private land</p> <p>c. Government land</p> <p>d. Forest Land</p> | |
| Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof: | |
| CRZ Clearance | |
| 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: | |

• **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 | | |
| National Park | | |
| Wildlife Sanctuary | | |
| Archaeological sites monuments/historical temples etc | | |
| Names & distance of National parks, Wildlife sanctuaries, Biosphere reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary: | | |
| Availability of Schedule-I species in study area | | |
| Additional information (if any) | | |

- **Project description:**

| | |
|--|--|
| If expansion, the details of ECs (including amendments and extension of validity) of existing Units etc. | |
| Chronology of the Project | |
| Amendments granted, if Yes details | |
| Expansion / Green Field (new): (IPP / Merchant / Captive): | |
| 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. | |
| 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. | |
| Cost of the Project (As per EC and revised): Cost of the proposed activity in the amendment: | |
| Employment Potential for entire project/plant and employment potential for the proposed amendment (specify number of persons and quantitative information). | |
| Benefits of the project (specify quantitative information) | |
| Status of other statutory clearances | |

| | |
|-------------|--|
| R&R details | |
|-------------|--|

• **Electricity generation capacity:**

| | |
|------------------------------------|--|
| Capacity & Unit Configurations: | |
| Generation of Electricity Annually | |

• **Details of fuel and Ash disposal**

| | |
|--|---|
| Fuel to be used: | |
| Quantity of Fuel required per Annum: | |
| Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block) | Quantity and details of Linkage available: Name of Block The method of obtaining remaining coal: (LOA issued on...) Ash content in coal.....(%) Sulphur in coal(%) Moisture(%) GCV in coal.....Kcal/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:km (from To) Road: km (from To) Pipe/closed/open conveyor: km (from To) Sea: km (from To) |
| Fly Ash Disposal System Proposed | High / Medium / Lean concentration slurry. Ratio of water and ash |
| a. Ash Pond / Dyke: (Area, Location & Co-ordinates) Average height of area above MSL (m) b. Space left in ash dyke area | (If expansion project state additional area required for ash pond) |

| | |
|---|---|
| Quantity of a. Fly Ash to be generated b. Bottom Ash to be generated: | MTPA |
| Fly Ash utilisation percentage with details in last 5 years : | (MoU with Cement/ Brick Manufactures/ Others) |
| Ash including legacy ash utilization as per MoEF&CC Notification dated 31/12/2021 and its subsequent amendments | |
| Stack Height (m) & Type of Flue | (m) (new or existing) Single/Bi/Tri Flue |

• **Water Requirement:**

| | |
|---|---|
| Source of Water: | Sea / River / Barrage (Name) (Downstream / Upstream) (HFL of nearest river if located within 10 kms study area) |
| Quantity of water requirement: | MLD / MCM |
| Distance of source of water from Plant: | Km / m (from intake point) |
| Whether barrage/ weir/ intake well/ jack well/ others proposed: | Yes / No (If yes, give details) |
| Mode of conveyance of water: | Pipeline / canal / others |
| Status of water linkage: | (Date of allocation obtained) |
| (If source is Sea water) Desalination Plant Capacity | |
| Mode / Management of Brine: | Details |
| Cooling system | Induced/ Natural draft |

• **Public hearing (Only for EC proposals)**

| | |
|-----------------------------------|--|
| i. Advertisement for PH with date | |
|-----------------------------------|--|

| | |
|-------------------------------------|--|
| ii. Details of newspaper published: | |
| Date of PH | |
| Venue | |
| Chaired by | |
| Main issues raised during PH | |
| No. of people attended | |

Action plan as per MoEF&CC O.M. dated 30/09/2020

| S. No | Physical activity and action plan | | Year of implementation (Budget in INR) | | | Total Expenditure (Rs. in Crores) |
|-------|-----------------------------------|------------------|---|-----------------|-----------------|-----------------------------------|
| | Name of the Activity | Physical Targets | 1 st | 2 nd | 3 rd | |
| | | | | | | |
| | | | | | | |

• **Violation:**

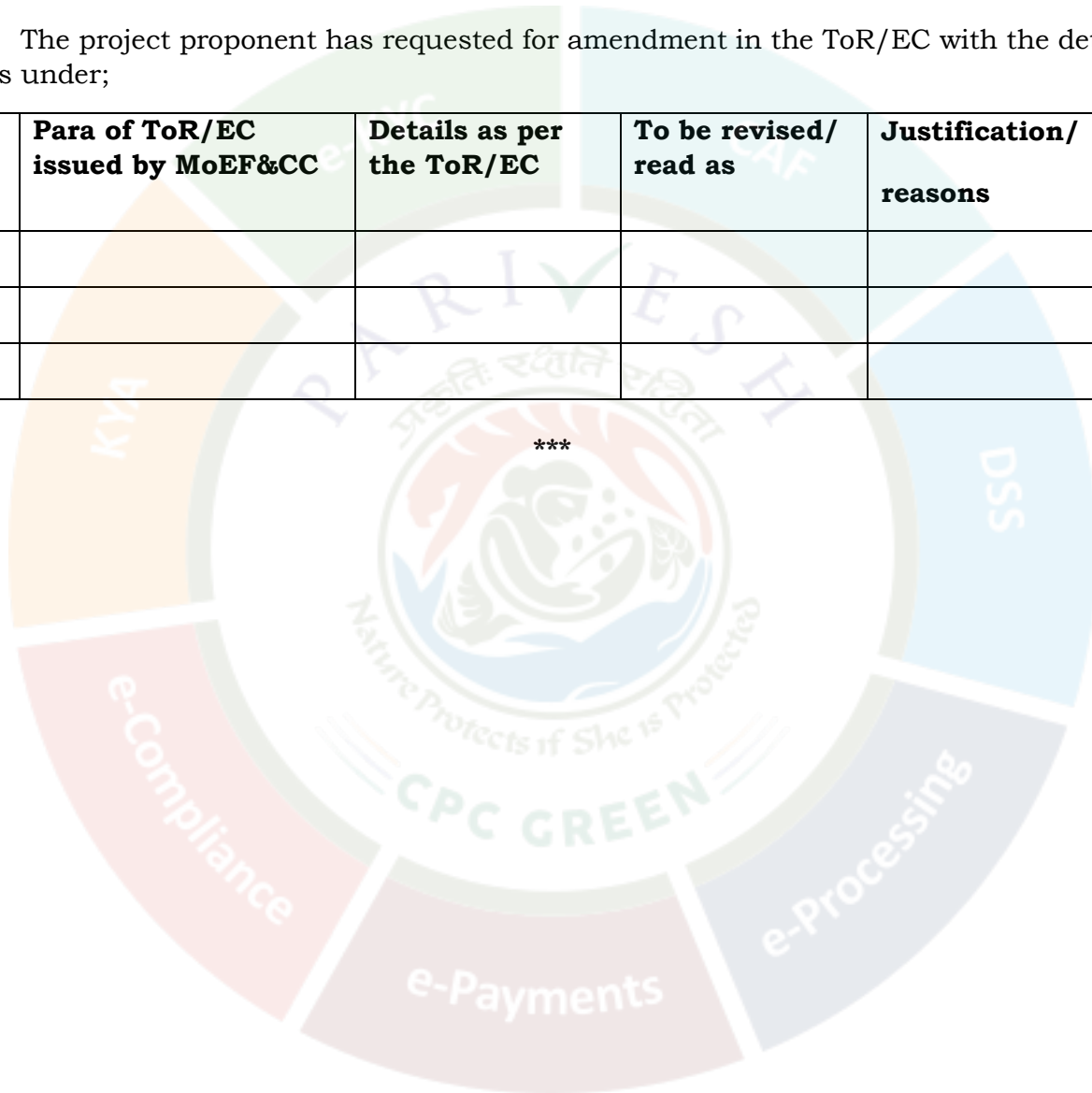
| | |
|--|--|
| Any violation case pertaining to the project on following: | |
| i. The Environment Protection Act, 1986 | |
| ii. Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980. | |
| iii. The Wild Life (Protection) Act, 1972 | |
| Additional information (if any) | |

Format for brief summary for EC/ToR Amendment

The proposal is for amendment in the **Terms of Reference/Environmental Clearance** granted by the Ministry vide letter dated.....for the project located at in favour of M/s

2. The project proponent has requested for amendment in the ToR/EC with the details are as under;

| S. No. | Para of ToR/EC issued by MoEF&CC | Details as per the ToR/EC | To be revised/ read as | Justification/ reasons |
|---------------|---|----------------------------------|-------------------------------|-------------------------------|
| | | | | |
| | | | | |
| | | | | |



Undertaking

This is to certify that the information provided in Form-.... in physical form and/or in .pdf format (as applicable to the project and remaining be removed) in PARIVESH, to the Ministry/EAC members and PPT presentation during the EAC meeting held on 01.10.2024 have no deviation in respect of the proposal of ToR/EC/EC validity extension/EC amendment for establishing “.....MW Thermal Power Project at village, Taluk, District....., State.....by M/s.

2. It is further certified that there are no data entry errors in the information uploaded in PARIVESH system including names/email-id/mobile numbers/address of the project proponent, authorized person, etc. It is also certified that the supporting documents uploaded on PARIVESH portal are correct and duly authenticated by the Authorized Signatory.

3. In case of any deviation in data found in any of the documents, the Authorized Signatory shall be held responsible and furthermore, the above said project shall be rejected for grant of requisite permission.

Authorized Signature
Date

