



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



Agenda of Expert Appraisal Committee

Meeting ID : IA/CMIN/13550/29/08/2023  
Meeting Venue : Video Conferencing  
Meeting Type : Video Conference  
Agenda Generation Date : 23-08-2023

The following proposals are being considered for deliberation in the Expert Appraisal Committee as per the schedule given below :

Meeting Schedule :

| S.No | Meeting date | Time (From) | Time (To) |
|------|--------------|-------------|-----------|
| 1    | 29 Aug 2023  | 10:30 AM    | 13:30 PM  |

Date of Meeting : 29-08-2023

| S.No | Proposal No.           | File No.                  | Proposal Name                     | Company Name                     | Location  | Proposal Type |
|------|------------------------|---------------------------|-----------------------------------|----------------------------------|---|---------------|
| 1    | IA/CG/CMIN/274062/2022 | J-11015/228/2007-IA-II(M) | Baroud Opencast Expansion Project | SOUTH EASTERN COALFIELDS LIMITED | Tehsil: Gharghoda<br>District: Raigarh<br>State: Chhattisgarh | EC            |

Any Other Item with Permission of Chairman:

| S.No | Proposal No. | File No. | Proposal Name | Company Name | Location | Remarks |
|------|--------------|----------|---------------|--------------|----------|---------|
|------|--------------|----------|---------------|--------------|----------|---------|

List of EAC Member :

| S.No | Members Name                    | Designation      | Email_ID                   |
|------|---------------------------------|------------------|----------------------------|
| 1    | Shri Gururaj P. Kundargi        | Chairman         | gpkundargi@gmail.com       |
| 2    | Dr.Narmada Prasad Shukla        | Member           | shuklanp55@gmail.com       |
| 3    | Shri Suramya Dolarray Vora      | Member           | suramya.vora@gmail.com     |
| 4    | Dr. Santosh Kumar Hampannavar   | Member           | santoshkumar777@yahoo.com  |
| 5    | Dr.Umesh Jagannathrao Kahalekar | Member           | ukahalekar@rediffmail.com  |
| 6    | Shri K. B. Biswas               | Member           | biswaskiriti@gmail.com     |
| 7    | Dr. Nandini.N                   | Member           | sai.nandinin@gmail.com     |
| 8    | Dr. Unmesh Patnaik              | Member           | unmesh.patnaik@tiss.ed     |
| 9    | Shri Prasant Kumar Mohapatra    | Member           | pkmsipat11@gmail.com       |
| 10   | Dr. Sanjeev Paliwal             | Member           | sanjeevpaliwal.cpcb@nic.in |
| 11   | Dr. M.P. Singh                  | Member           | Mpsingh.cea@nic.in         |
| 12   | Dr. R.K. Giri                   | Member           | rk.giriccs@gmail.com       |
| 13   | Dr. Sheo Shankar                | Member           | sheoshankar@iitism.ac.in   |
| 14   | Shri Lalit Bokolia              | Member Secretary | lk.bokolia@nic.in          |

**AGENDA FOR 49<sup>th</sup> MEETING OF THE EXPERT APPRAISAL COMMITTEE (COAL MINING SECTOR), SCHEDULED TO BE HELD DURING 29<sup>th</sup> AUGUST, 2023 THROUGH VIDEO CONFERENCING**

**AGENDA**

| 29 <sup>th</sup> AUGUST, 2023 (Time:10:00hrs to 1:30hrs) |                  |  |
|--|------------------|--|
| Item No.   | Time (Hrs)       | Description  |
|  |                  | Opening Remarks by the Chairman.   |
|  |                  | Confirmation of the Minutes of the 47 <sup>th</sup> Meeting of the EAC (Coal Mining Sector) held during 21 <sup>st</sup> to 22 <sup>nd</sup> July 2023 through Video Conferencing at New Delhi.  |
| <b>Consideration of Proposals</b>                        |                  |  |
|  | <b>Day - 1</b>   | <b>29<sup>th</sup> August, 2023</b>  |
| <b>49.1</b>  | <b>10:30A.M.</b> | Expansion of Baroud Opencast Mine for production capacity from 3.6 MTPA to 4.32 MTPA (i.e. increase of 20%) with mine lease area of 1111.40 ha of <b>M/s SECL</b> located at Village Baroud, Tehsil Gharghora, District Raigarh (Chhattisgarh) – <b>For Environmental Clearance under OM vide F. No. IA3-22/10/2022-IA.III [E 177258] dated 11.04.2022 - reg.</b><br><br>[Online proposal number IA/CG/CMIN/274062/2022; File no. J-11015/228/2007-1A.II(M)]             |
| <b>49.2</b>  | <b>11:30A.M.</b> | Kuraloi-A North Coal Block Opencast Coal mine with Production Capacity of 8.0 MTPA in the project area of 965.58 Ha of <b>M/s Vedanta Limited</b> located at Villages Pipilimal, Dhauramunda, Kuraloi, Belpahar, Banjari, Bartap, Tehsil Lakhanpur, District Jharsuguda (Odisha) - <b>For Environmental Clearances - reg.</b><br><br>[Online proposal no. IA/OR/CMIN/440576/2023; File No. J-11015/34/2022-IA-II(M)]   |
| <b>49.3</b>  | <b>12:30P.M.</b> | Expansion of Gangaramchak & Gangaramchak - Bhadulia Opencast Coal Mine from production capacity of 1.2 MTPA to 3.0 MTPA with total project area of 186.42 ha by <b>M/s The West Bengal Power Development Corporation Limited</b> located at village Bastabpur, Tehsil Khoyrasole, District Birbhum (West Bengal) - <b>For Reconsideration of Environmental Clearance – reg.</b><br><br>[Online Proposal No. IA/WB/CMIN/433704/2023; File No. J-11015/375/2006-IA-II (M)] |
|  | <b>1:30P.M.</b>  | <b>Lunch</b>   |
|  |                  | Additional item with the permission of the Chair.  |

## **IMPORTANT NOTE**

1. The 49<sup>th</sup> Meeting of the EAC (Coal Mining) will be held through **Video Conferencing (VC)**.
2. Project proponent(s) or his/her authorized representative (preferably not more than two representatives) are requested to participate **and Project Director/ General Manager will give presentation on their proposal (s) with the project Environment Manager**, as per the agenda for the meeting, to EAC (Coal Mining) through VC.
3. Only the project proponent or his/her authorized representative is eligible to attend this meeting of EAC (Coal Mining). A line of confirmation regarding participation will be appreciated. It may be noted that **only the EIA Coordinator who has already been accredited with Quality Council of India and his name is in the list can accompany the proponent in the meeting**. EIA coordinator who has prepared EIA/EMPreport, shall present before EAC during the presentation.
4. Any changes/modification with respect to the Agenda, Venue etc., would be conveyed through the Portal only. Please keep checking 'PARIVESH PORTAL (<https://parivesh.nic.in>) for updates.
5. The Names and addresses of Chairperson and Members of EAC (Coal Mining) are provided at Annexure-I.

## **INSTRUCTION FOR PROJECT PROPONENTS**

1. For Project Proponents shall send the following information (electronically/in soft only) on the proposed project or activity by e-mail, addressed to Chairman and Members of EAC (Coal Mining):
  - a. Project or Activity to be appraised for Terms of Reference (ToR) (including amendment to ToR) for preparation of EIA/ EMP Report
    - i. Basic Information – Annexure II
    - ii. Application (Form 1 or as applicable);
    - iii. Prefeasibility Report for project / activity;
    - iv. Project Brief (in MS Word format i.e. '.doc' or '.docx' file only) provided in Annexure-III; and
    - v. All associated documents/ Annexures, etc. in the form of searchable PDF/OCR support PDF.
  - b. For Project or Activity to be appraised for grant of Environmental Clearance (including, expansion, modernisation, amendment to EC, etc.):
    - i. Basic Information – Annexure II
    - ii. Application Form; as applicable
    - iii. EIA Report and Environment Management Plan (EMP)
    - iv. Form 1/1A and Conceptual Plan for project or activity under item 8(a) of Schedule to EIA Notification, 2006;
    - v. Project brief (in MS Word format i.e. '.doc' or '.docx' file only) provided in Annexure-III

- vi. For expansion Projects, Certified Compliance report w.r.t. existing EC; as Received from concerned Regional Office (RO) of the Ministry or Zonal office of CPCB or concerned SPCBs or PCCs along with the Action Taken Note on observations of the concerned inspecting authorities;
  - vii. A copy of work order issued by the project proponent in favour of QCI/NABET accredited consultant appointed for carrying out EIA study and EMP preparation for this project;
  - viii. All other associated documents/ Annexures, etc.
2. Kindly indicate the Agenda item no. in the e-mail and also on the first page of the documents circulated for the meeting. Without this information, EAC may not consider the proposal for the meeting.
  3. It may be ensured that EAC (Coal Mining) and the Ministry receive the requisite soft/electronic copy of documents pertaining to the projects latest by **25<sup>th</sup> August, 2023** positively. In case the EAC and Ministry officials do not receive documents by e-mail within the stipulated time period, the EAC may not consider the project.
  4. In addition to the above information, an affidavit is required to be submitted by the Project Proponent to the Ministry to the effect, namely: -
    - That there is no construction done at the site or the construction done without any deviation as per previous EC obtained (Ref.)
    - Affidavit should also submit that there is no litigation on the project either at NGT or any other court of Law.
    - The land has been purchased by ..... / allotted by.... Development authority. The land is in our possession and there is no R&R issue.
    - 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.
    - Reason for submitting the project at MoEF&CC.
  5. PP shall also send signed hard copies of the above information/ documents by speed post to the Ministry (Member Secretary EAC (Coal Mining), Ministry of Environment, Forest and Climate Change, 2<sup>nd</sup> Floor, Vayu Wing, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi- 110003). The electronic copies of the above information /documents for the Ministry shall be sent by e-mail addressed to [lk.bokolia@nic.in](mailto:lk.bokolia@nic.in), [munna.shah@gov.in](mailto:munna.shah@gov.in) prior to the EAC meeting.
  6. All the documents including presentation material being submitted to the EAC in soft/ electronic form and to the Ministry in soft and hard forms shall be consistent, legible and printed on both sides on ordinary paper.
  7. 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.
  8. As per the compliance to the recommendations of CAG vide OM No. J-11013/71/2016-IA. I(M) dated 25<sup>th</sup> October, 2017, the following shall be ensured by the proponent:
    - Break-up of the capital and recurring cost of the EMPs along with the timeline for incurring the capital cost.
    - Details of the name and number of posts to be engaged by the project proponent for

implementation and monitoring of environmental parameters should be submitted.

- An undertaking as part of the EIA report from Project proponent, owning the contents (information and data) of the EIA report with the declaration about the contents of the EIA report pertaining to a project have not been copied from other EIA reports.
9. As per amendment notification No. 648(E) dated 3<sup>rd</sup> March, 2016, the Environmental consultant organizations which are accredited for a particular sector and the category of project for that sector with the Quality Council of India (QCI) or National Accreditation Board for Education and Training (NABET) or any other agency as may be notified by the Ministry of Environment, Forest and Climate Change from time to time shall be allowed to prepare the EIA Report and EMP of a project and appear before the concerned EAC. The EIA coordinator/ consultant involved in preparation of EIA Report would need to include a certificate in this regard in the EIA report and EMP prepared by them and details for data provided by other Organization(s)/ Laboratories including their status of approvals etc.
  10. In case of expansion of the project or activity; Project Proponent will not be heard where Certified Compliance Report in respect of earlier EC and the Action Taken Note thereon are not available.
  11. The proponent shall avoid delivery of documents by hand and seeking meeting with the Chairman/Members in this regard.

#### **INSTRUCTION FOR JOINING THE MEETING**

1. Office of NIC in MoEF&CC will moderate the meeting. The Guidelines related to join the meeting is available at Annexure IV.
2. Project Proponent along with coordinator for EIA Report of their respective Project (mandatory in case of proposal to be appraised for grant of Environmental Clearance) must be ready with all requisite documents and contact **Mr Kamal, Moderator, NIC (Mobile No. 8800225087, email - [support-ipb@nic.in](mailto:support-ipb@nic.in))** at least before 45 minutes of the slot allowed to them.

**ANNEXURE-I****Composition of Expert Appraisal Committee (Coal Mining)**

| <b>S. No</b> | <b>Name and Organization</b>   | <b>Role</b>             |
|--------------|--|-------------------------|
| 1.           | Shri Gururaj P. Kundargi, Ex.CMD-MOIL<br>Plot No.32, MOIL Vatika, Chicholi Road, Fetri, Nagpur-441501. E-mail: <a href="mailto:gpkundargi@gmail.com">gpkundargi@gmail.com</a>  | Chairman (Non-official) |
| 2.           | Shri Suramya Dolarray Vora, Retd. IFS<br>Executive Director -Gujarat Science City<br>Plot No.725/B, Sector- 8C, Gandhinagar, Gujarat-382007.<br>E-mail: <a href="mailto:suramya.vora@gmail.com">suramya.vora@gmail.com</a>   | Member (Non-official)   |
| 3.           | Dr. Narmada Prasad Shukla<br>Former Chairman-Madhya Pradesh Pollution Control Board, H-44-B, Apsara Complex, Indrapuri, A-Sector Bhopal- 462021. E-mail: <a href="mailto:shuklanp55@gmail.com">shuklanp55@gmail.com</a>  | Member (Non-official)   |
| 4.           | Dr. Santosh Kumar Hampannavar<br>Professor, School of Electrical and Electronics Engineering, REVA University, Flat No.302, Faculty Quarters, Kattigenahalli, Yelahanka, Bangalore, India. E-mail: <a href="mailto:santoshkumar777@yahoo.com">santoshkumar777@yahoo.com</a>      | Member (Non-official)   |
| 5.           | Dr.Umesh Jagannathrao Kahalekar<br>Professor-Civil Engineering, Govt. College of Engineering-Aurangabad, 39, Mauli, Samarth Hsg. Soc., Near Jawahar Colony Aurangabad, (Maharashtra) – 431 005. E-mail: <a href="mailto:ukahalekar@rediffmail.com">ukahalekar@rediffmail.com</a> | Member (Non-official)   |
| 6.           | Shri K. B. Biswas<br>Former Chairman-Central Ground Water Board, Camellia Apartment, 313, Natunpally, Sonarpur, Kolkata-700150. E-mail: <a href="mailto:biswaskiriti@gmail.com">biswaskiriti@gmail.com</a>   | Member (Non-official)   |
| 7.           | Dr. Nandini.N<br>Professor, Dept. of Env. Science, Bangalore University, #7, Reader Quarters, Jnanabharathi Campus, Bengaluru-560 056.<br>E-mail: <a href="mailto:sai.nandinin@gmail.com">sai.nandinin@gmail.com</a>   | Member (Non-official)   |
| 8.           | Dr. Unmesh Patnaik<br>Associate Professor, Centre for Climate Change & Sustainability Studies, Tata Institute of Social Sciences (TISS), Deonar Farm Road, Mumbai – 400088.<br>E-mail: <a href="mailto:unmesh.patnaik@tiss.ed">unmesh.patnaik@tiss.ed</a>                        | Member (Non-official)   |

|     |   |                                |
|-----|---|--------------------------------|
| 9.  | Representative of Central Pollution Control Board, New Delhi– Officer dealing in Thermal Power/Coal Mining.<br>Email id : <a href="mailto:sanjeevpaliwal.cpcb@nic.in">sanjeevpaliwal.cpcb@nic.in</a>  | Member (Official)              |
| 10. | Representative of Central Electricity Authority (CEA), Ministry of Power, Govt. of India, New Delhi.<br>Email id: <a href="mailto:Mpsingh.cea@nic.in">Mpsingh.cea@nic.in</a> / <a href="mailto:mpsingh1967@gmail.com">mpsingh1967@gmail.com</a> | Member (Official)              |
| 11. | Representative of Director General<br>Indian Meteorological Department (IMD), New Delhi. Email id: - <a href="mailto:rk.giriccs@gmail.com">rk.giriccs@gmail.com</a>   | Member (Official)              |
| 12. | Representative of Indian School of Mines Dhanbad (ISM Dhanbad)<br>Email id : <a href="mailto:sheoshankar@iitism.ac.in">sheoshankar@iitism.ac.in</a>   | Member (Official)              |
| 13. | Shri Lalit Bokolia<br>Member Secretary (Coal Mining Sector)<br>Ministry of Environment, Forest & Climate Change Govt. of India, New Delhi- 110003.<br>Email id : <a href="mailto:lk.bokolia@nic.in">lk.bokolia@nic.in</a>                       | Member Secretary<br>(Official) |

**Basic Information**

**Important Note:** Please send the information by e-mail **in word format and a signed & scanned copy** to the Member-Secretary at [lk.bokolia@nic.in](mailto:lk.bokolia@nic.in) and [munna.shah@gov.in](mailto:munna.shah@gov.in) prior to the EAC meeting. Please also provide a copy to the members of the EAC during the EAC meeting.

**I. Project Details**

1. Name of the project:
2. Name of the Company, Address Tele No. & E-mail Head of organization:
3. If a Joint venture, the names & addresses of the JV partners including their share
4. Latitude and Longitude of the project
5. Whether the project is in the Critically Polluted Area (CPA):
6. Cost of the project
7. Employment generation/ to be generated
8. Benefit of the project:
9. Details of coal Linkage:
  - (i) Name of the industries Linked
  - (ii) Distance from the project site
  - (iii) Mode of transportation
10. Whether new or expansion project. If expansion:
  - (i) from .....MT to .. MT
  - (ii) What is the % of expansion
  - (iii) Whether the PP had applied for star rating as per the guidelines of Ministry of Coal, if yes provide its documentary proof
11. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.
  - a) Whether applying for first time under 7(ii), if no how many no. of times applied earlier



- b) If applied earlier under 7(ii) what was the percentage of expansion granted in EC (give no.& date)
12. If applied under 7(ii) details of PH conducted: Date and Venue of Public Hearing. Status of Plan of Action on the issues raised to be complied by the PP.
13. If expansion, please indicate the number and date of the Certified Compliance Report of regional Office of the MoEF
14. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC)
15. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)
16. If the project was considered in EAC, Pl. give dates of the meeting(s).
17. Type of Project –Mine/ Coal washery <sup>(c)</sup>:
- a) (Opencast/Underground/Opencast cum Underground)
- b) Coal mine with coal washery whether washery is located or proposed within the mine lease or nearby suitable area, provide the Status of its Environmental clearance and other detail as mentioned below in section c
- c) **Detail about Coal Washery**
- Whether new or capacity enhancement
  - Location details of the coal washery with its coordinates
  - Area and Land use change doc from concerned authority & its land use break up Capacity of the coal washery and Type of Coal Washery (washing technology)
  - Method of Disposal of washery rejects
- d) In case of Lignite mine
- Kindly mention the detail of the other non –coal mining mineral extraction (if any)
  - The production capacity and mode of mining non –coal mining mineral
  - The status of EC of respective non –coal mining mineral
18. Capacity of the mine applied for Normative capacity peak capacity
19. ML Area
- (i) As per block allotment
- (ii) As per approved mine plan

20. Date of approval of mine plan, mine closure plan, status & date
21. Date of Board's approval:
22. Date of Ground water clearance and surface water approval.
23. Existing Ground water level in(M)
24. Date of mine closure approval
25. Whether consent to operate obtained:
26. Any river / Nallah flowing near or adjacent to the proposed mine. If yes, please give details.
  - (i) Is any diversion proposed
  - (ii) Length of Diversion in Km

**II. Technical details**

27. Details of mine lease: -
  - (i) Date of Block allotment/ lease with its expiry date
  - (ii) Method of mining
28. Geological Reserve:
  - (i) Total geological reserve
  - (ii) Mineable reserve
  - (iii) Extractable reserve
  - (iv) Per cent (%) of extraction
  - (v) Range of ground water level
  - (vi) Total estimated water requirement:
  - (vii) Details of intersecting ground water level
29. Details of Seams
  - (i) No. of seams
  - (ii) Thickness of seams
  - (iii) Grade of coal
  - (iv) Stripping Ratio
  - (v) Category of gaseousness
  - (vi) Average gradient
  - (vii) Maximum thickness of seams
30. Life of mine
31. Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is for expansion.

32. Details of O.B.
- (i) External OB dumps
  - (ii) No of OB dumps
  - (iii) Area of each dump
  - (iv) Height of each dump
  - (v) Quantity (in M Cm) of OB in each dump
  - (vi) Year of backfilling
  - (vii) No. of OB dumps reclaimed
  - (viii) If garland drains and settlement facility for run off created
  - (ix) Whether runoff water being utilized
33. Details of Internal Dumps
- (i) No of Dumps
  - (ii) Area of each dump
  - (iii) Height of each dump
  - (iv) Quantity of wastes filled (M Cm)
34. Utilization potential of wastes/ Rejects
- (i) Within the mines
  - (ii) Outside mines
  - (iii) Efforts made by proponent
35. Details of final Mine Voids
- (i) Area
  - (ii) Depth
36. Details of Quarry:
- (i) Total quarry area:
  - (ii) Backfilled quarry area of ..... ha shall be reclaimed with plantation
  - (iii) A void of ... ha at a depth of ... m, which is proposed to be converted into a water body.
  - (iv) Green belt created in ha.
37. Details of Land usage
- (i) Pre-mining

| S. No. | Land Use             | Within ML Area (ha) | Outside ML Area (ha) | Total |
|--------|----------------------|---------------------|----------------------|-------|
| 1.     | Agricultural Land    |                     |                      |       |
| 2.     | Forest land          |                     |                      |       |
| 3.     | Waste land           |                     |                      |       |
| 4.     | Grazing land         |                     |                      |       |
| 5.     | Surface Water Bodies |                     |                      |       |
| 6.     | Settlements          |                     |                      |       |
| 7.     | Other (Specify)      |                     |                      |       |

(ii) Land Use During Mining

| S. No. | Land Use during Mining | Land Use (Ha) |            |            |             |       |
|--------|------------------------|---------------|------------|------------|-------------|-------|
|        |                        | Plantation    | Water Body | Public Use | Undisturbed | Total |
| 1.     | External OB Dump       |               |            |            |             |       |
| 2.     | Top soil Dump          |               |            |            |             |       |
| 3.     | Excavation             |               |            |            |             |       |
| 4.     | Roads                  |               |            |            |             |       |
| 5.     | Built up areas         |               |            |            |             |       |
| 6.     | Green belt             |               |            |            |             |       |
| 7.     | Safety Zone            |               |            |            |             |       |
| 8.     | Undisturbed Area       |               |            |            |             |       |

(iii) Post-Mining

| S. No. | Type                    | Total Area | Reclaimed Area | Un-reclaimed area |
|--------|-------------------------|------------|----------------|-------------------|
| 1.     | Excavation/Quarry Area: |            |                |                   |
|        | (a) Backfilled areas    |            |                |                   |
|        | (b) Excavated Void      |            |                |                   |
| 2.     | External Dump           |            |                |                   |
| 3.     | Safety Zone             |            |                |                   |
| 4.     | Road and infrastructure |            |                |                   |
| 5.     | Garland Drains          |            |                |                   |
| 6.     | Embankment              |            |                |                   |
| 7.     | Others                  |            |                |                   |

(iv) Core area

38. Details of Forest issues
- (i) Total forest area involved (in ha) for mining lease.
  - (ii) Total broken forest area.
  - (iii) Status of Forest Clearance and extend of forest land diverted in ha.
  - (iv) Is there any Wild Life Sanctuary National Park, eco-sensitive Zones, within 10 km radius? If so, give the details.
  - (v) Extent of forest land in the project (including safety zone and all types of forest land) (in ha)
  - (vi) Total forest land for which Stage-1 FC is available (give area in ha), provide breakup of this area in following format:

| Area (Ha) | Stage -1 FC issued vide letter no. & date | Validity period of earlier FC granted |
|-----------|---|---------------------------------------|
|           |   |                                       |
|           |   |                                       |

- (vii) Balance forest land for which Stage-1 FC is not available (give area in ha)
- (viii) Details of wild life issues involved, if any. If so, whether WL management plan has been prepared; pl. indicates the status.
- (ix) Whether schedule -I species, if yes conservation plan is approved by CWLW?

39. Costs of the project:

- (i) Total capital Cost:
- (ii) Cost of Production:
- (iii) Sale Price:
- (iv) CSR cost:
- (v) R&R Cost:
- (vi) No of PAFs:
- (vii) Cost for implementing EMP (Capital and Recurring both):

**40. Details of transportation of Coal**

- (i) In pit:
- (ii) Surface to siding:
- (iii) Siding to loading:
- (iv) Quantity being transported by Road/Rail/conveyer/ropeway
- (v) Proposed change in transportation means if any, give details

**41. Detailed Status of Progressive Mining Closure Plan. (For expansion project only)**

- (i) Implementation of various activities as per approved progressive mine closure plan (in Bar chart)
- (ii) Any deviation from the approved Progressive Mine Closure Plan.
- (iii) Total area excavated (in ha.)
- (iv) Total area backfilled after excavation (in ha.)
- (v) Total area reclaimed (in ha.)

42. Details of villages/habitation in mine lease area

- (i) Inside the lease
- (ii) Surrender by lease
- (iii) Extent of cropland acquired/ being acquired in ha.

**43. Details of reclamation:**

Afforestation shall be done progressively covering an area of: .....ha at the end of mining.

This will include:

- (i) Reclaimed external OB dump (in ha):
- (ii) internal dump (in ha),
- (iii) Green belt (in ha)
- (iv) Density of tree plantation (in no of plants)
- (v) Void (in ha) at a depth of (in m) which is proposed to be converted into water body
- (vi) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).
- (vii) Agriculture and horticulture
- (viii) Fisheries
- (ix) ECO Tourist/recreation spot

**III. LEGAL ISSUES/ VOILATION**

44. Any court case pending. If so, please provide a list with details

- (i) Environment (Protection) Act
- (ii) Air(P&CP) Act.
- (iii) Water (P&CP) Act.
- (iv) MMDR Act
- (v) The Factories Act.
- (vi) Other land R&R related cases.

45. Any violation cases pending. If so, please provide a list with details as separate annexure
46. Give details of actual coal production vis-à-vis sanctioned capacity since the inception of mine in following format or since 1993-94 as applicable:

| Year | EC sanctioned capacity(MTPA) | Actual production (MTPA) | Excess production beyond the EC sanctioned capacity |
|------|------------------------------|--------------------------|---|
|      |                              |                          |   |

**IV. PUBLIC HEARING ISSUES**

47. Date and Place of public hearing:
48. The designation of officer presided over the PH
49. Issues raised during Public Hearing and assurance given along with the financial provision and action plan, if any, by the project proponent. (Please attach as an annexure in a tabular form.)
50. Number of representation received in writing from the district and outside of district, please give details

**V. Consultant;**

51. Name of the EIA consultant who prepared the EIA/EMP report? Whether the consultant has been accredited by the QCI and NABET as per the MoEF&CC OM dated 2nd December, 2009.
52. Name of specialists (FAEs) /consultants involved in making EIA/EMP report
53. Base line monitoring status:
- a) Environmental sensitivity within 10 km buffer zone with distance & direction from the project site like Forest, water bodies, other mines, other washeries, power plants, industries, highways, railway stations, hospitals, schools, colleges etc (To be mentioned in PFR & EIA/EMP report also)

| S. No. | Particulars | Distance (Km) | Direction |
|--------|-------------|---------------|-----------|
|        |             |               |           |

- b) Mention the Period/ Season of baseline study carried out.
- c) Whether the Laboratory has been accredited by the NABL/ MoEF&CC certification involved in analysis of water, air, noise & soil quality data, also providing its respective lab reports.
- d) Detail of Air quality and surface water quality
- (i) Air quality: Number of sampling location monitored:  
 The result indicates that the maximum and minimum values of PM10 are in the range of --- -to -----, whereas the PM2.5 are in the range of ----- to -----µg/m3. The SO2 concentrations within the study area are in the range of ----- to --- and the NOx are in the range of ----- to -----

The incremental increase in the values were projected to be ..... for PM10, for PM2.5, ..... for SO2, and ....for NOx. The value of Total GLC is for PM10, for PM2.5, for SO2, and ....for NOx.

The observed pollutant levels were compared with CPCB National Ambient Air Quality Standards and found to be.....

- (ii) Surface water quality: Number of sampling location monitored: Name of the source of surface water monitoring with the gist of the observations and results. For e.g The results indicate that by adopting the environmental protection measures The result indicates thatthe maximum and minimum values of DO ranges between ..... to , hardness ranged between .... To .... etc

**VI. Other Information**

- 54. A note on Detailed Chronology of the project starting from the first lease deed allotted/ Block allotment/ Land acquired to its No. of renewals, CTO /CTE with details of no. renewals, No. of EACs Agenda (whether recommended, deferred or returned), previous EC(s) granted details and its compliance details, NOC details fromvarious Govt bodies like Forest NOC(s), CGWA permissions, Power permissions, etc. as per the requisites respectively.

**VII. IMG of Ministry of Coal:**

- 55. Whether the project was considered by the IMG of Ministry of Coal for any irregularities.If so, the no. and date of the show cause notice and the response of the MoC

Signature of Proponent  
Date



**Brief Summary of the Project (in word format)****PROPOSAL**

The proposal is for ToR/EC for ..... Project of ...MTPA capacity in minelease area of...ha of M/s..... Located in village ..., Tehsil ..... District (West Bengal).

**In case of Amendment of EC proposals – Reason of Amendment and justification for thesame shall be provided (in 2-3 paragraphs) along with these details.**

**DETAILS OF THE PROJECT PROPOSALS**

2. Details of the proposal, as ascertained from the proposal documents and as revealed from the discussions held during the meeting, are given as under:

**I. LOCATION OF PROJECT**

- (i) The project area is covered under Survey of India Topo Sheet No....and is bounded by the geographical coordinates ranging from ... to ... N and longitudes N and .....E.
- (ii) Coal linkage of the project is proposed for ... Use for various ...
- (iii) Joint venture cartel has been formed ...
- (iv) Project does not fall in the Critically Polluted Area (CPA), where the MoEF&CC's vide its OM dated 13<sup>th</sup> January, 2010 has imposed moratorium on grant of environment clearance.
- (v) Employment generation ... employment to .... Persons will be provided from the project.
- (vi) The project is reported to be beneficial in terms of .....
- (vii) Earlier, the environment clearance to the project was obtained under EIA Notification ...vide Ministry's letter No....dated for ...MTPA in mine lease area of...ha.
- (viii) Terms of Reference granted on – (for EC proposals)
- (ix) Total mining lease area as per block allotment is ha. Mining Plan (Including Progressive Mine Closure Plan) has been approved by the .....on ...

**II. LAND USE DETAILS OF MINE**

- (x) The land usage pattern of the project is as follows:

**Pre-mining land use details****(Area in Ha)**

| S. No. | Land Use          | Within ML Area | Outside ML Area | Total |
|--------|-------------------|----------------|-----------------|-------|
| 1      | Agricultural Land |                |                 |       |

|   |                                   |  |  |  |
|---|-----------------------------------|--|--|--|
| 2 | Forest Land                       |  |  |  |
| 3 | Wasteland                         |  |  |  |
| 4 | Grazing Land                      |  |  |  |
| 5 | Surface Water Bodies              |  |  |  |
| 6 | Settlements                       |  |  |  |
| 7 | Others (Specify)                  |  |  |  |
|   | Old Excavation Area (East Quarry) |  |  |  |
|   | Old Excavation Area (West Quarry) |  |  |  |
|   | Old OB Dumps                      |  |  |  |
|   | Roads & Mine Infrastructure       |  |  |  |
|   | R & R Colony                      |  |  |  |
|   | Staff Colony                      |  |  |  |
|   | Green Belt                        |  |  |  |
|   | Balance Area                      |  |  |  |
|   | Total Project Area =              |  |  |  |

### Post Mining

| S. No. | Land use                               | Land use (ha) |            |            |             |       |
|--------|--|---------------|------------|------------|-------------|-------|
|        |  | Plantation    | Water Body | Public Use | Undisturbed | Total |
| 1      | External OB Dump                       |               |            |            |             |       |
| 2      | Top Soil Dump                          |               |            |            |             |       |
| 3      | Excavation                             |               |            |            |             |       |
| 4      | Roads                                  |               |            |            |             |       |
| 5      | Built-up Area                          |               |            |            |             |       |
| 6      | Green Belt                             |               |            |            |             |       |
| 7      | Undisturbed Area                       |               |            |            |             |       |
| 8      | Safety Zone / Rationalization Area     |               |            |            |             |       |
| 9      | Diversion / Below River / Nala / Canal |               |            |            |             |       |
| 10     | Water Body                             |               |            |            |             |       |
| 11     | Staff Colony                           |               |            |            |             |       |
|        | Total Area =                           |               |            |            |             |       |

(xi) Total geological reserve reported in the mine lease area is ... MT

with .....MT mineable reserve. Out of total mineable reserve of ....MT, .... MT are available for extraction. Percent of extraction is ....%.

- (xii) ..... seams with thickness ranging from ...m – m are workable. Grade of coal is .....,stripping ratio ..... while gradient is ..... to .....
- (xiii) Method of mining operations envisages by ....method
- (xiv) Life of mine is ...years.
- (xv) The project has ... external OB dumps in an area of ..... ha with .....m height and  
.... Mm<sup>3</sup> of OB. ... internal OB in an area of ...ha with Mm<sup>3</sup> of OB is envisaged inthe project.
- (xvi) Total quarry area is .....ha out of which backfilling will be done in .....ha while final mine void will be created in an area of ..... ha with a depth of m. Backfilled quarry area of .....ha shall be reclaimed with plantation. Final mine void will be converted .....

### **III. TRANSPORTATION OF COAL**

- (xvii) Transportation of coal has been proposed by in mine pit head, from surface to siding by .....and at sidings by .....
- (xviii) Reclamation Plan in an area of .....ha, comprising of ..... ha of external dump, .....ha of internal dump and ..... ha of green belt. In addition to this, an areaof ha, included in the safety zone/rationalization area, has also been proposed for green belt development.
- (xix) .....ha of forest land has been reported to be involved in the project. Approval under the Forest (Conservation) Act, 1980 for diversion of ... ha of forest land for non-forestry purposes has been obtained vide MoEF&CC letter No. .... dated....
- (xx) Please mention any National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones fall within 10 km boundary of the project.
- (xxi) Wildlife conservation plan for schedule – I species has been submitted to .....
- (xxii) The ground water level has been reported to be varying between .....m to .... m during pre-monsoon and between .... m to m during post-monsoon. Total water requirement for the project is..... KLD.
- (xxiii) Application for obtaining the approval of the Central Ground Water Authority for ..... has been submitted on 29<sup>th</sup> December, 2017.

### **IV. DETAILS OF PUBLIC HEARING & RELATED ISSUES**

- (xxiv) Public hearing for the project of ...capacity in an area of .....ha was conducted on .....at..... under the Chairmanship of.....Major issues raised in the public

hearing include..... Appropriate action to address the issues raised in the Public.

(xxv) Commitment made by the Project Proponent to address the Public Hearing concerns in lieu of Corporate Environment Responsibility (CER) to be mentioned in the following table:

|              | <b>Particulars</b>   | <b>Location (Name of School/Village/Area)</b> | <b>Year-1 (In Lakhs)</b> | <b>Year-2 (In Lakhs)</b> | <b>Total (In Lakhs)</b> |
|--------------|--|---|--------------------------|--------------------------|-------------------------|
| 1            | Infrastructure creation for Drinking Water supply                                      |   |                          |                          |                         |
| 2            | Sanitation   |   |                          |                          |                         |
| 3            | Education  |   |                          |                          |                         |
| 4            | Skill Development  |   |                          |                          |                         |
| 5            | Roads  |   |                          |                          |                         |
| 6            | Cross drains   |   |                          |                          |                         |
| 7            | Electrification including solar power  |   |                          |                          |                         |
| 8            | Solid waste management facilities  |   |                          |                          |                         |
| 9            | Scientific support and awareness to local farmers to increase yield of crop and fodder |   |                          |                          |                         |
| 10           | Rain water Harvesting  |   |                          |                          |                         |
| 11           | Soil moisture conservation works   |   |                          |                          |                         |
| 12           | Avenue plantation  |   |                          |                          |                         |
| 13           | Plantation in community areas  |   |                          |                          |                         |
| 14           | Infrastructure   |   |                          |                          |                         |
| 15           | Health   |   |                          |                          |                         |
| 16           | Art, Culture & Sports  |   |                          |                          |                         |
| 17           | Livelihood   |   |                          |                          |                         |
|              | Agricultural programme:  |   |                          |                          |                         |
| <b>Total</b> |  |   |                          |                          |                         |

(xxvi) Hearing have already been taken/proposed to be taken are as under:

(xxvii) Consent to Operate for the existing capacity was obtained from the State PCB on. and is valid till.....

(xxviii) ....River/nalla is flowing .....boundary of lease. The nallah will be/not be diverted in

consultation with the Water Resource Department of the State Government.

(xxix) Regular monitoring of ambient air quality is being carried out on fortnightly basis. The

documented report is submitted to ....and also to MoEF&CC along with half yearly EC compliance report. In general, the results of ambient air quality monitoring data were found within prescribed limits except few aberrations which can be attributed to the specific local conditions during the day of sampling.

(xxx) No court cases, violation cases are pending against the project of the PP.

(xxxii) The project does not involve violation of the EIA Notification, 2006 and amendment issued thereunder. The coal production from the mine was started from the year onwards. No excess production of coal from the sanctioned capacity has been realized since the commencement of mining operations. The coal production, realized from the project, from 1993-94 onwards, is as under:

## V. BENEFITS OF THE PROJECT

(xxxiii) The project involves .....project affected families. R&R of the PAPs will be done as per.....

(xxxiv) Total cost of the project is Rs. .... lakhs. Cost of production is Rs. ..../- per tonne., CSR cost is Rs. .... per tonne, R&R cost is Rs crores. Environment Management Cost is Rs crores; Capital..... & Recurring .....

(xxxv) Consent to operate (CTO) was obtained from the State Pollution Control Board on. and is valid till.....

(xxxvi) Past Production details comparison with existing EC

## VI. CONTROL OF POLLUTION: (A) AIR & (B) WATER

(xxxvii) Environmental Baseline data was generated in the ----- season from ----- to ----- (------ Season) at ----- locations. The result indicates that the maximum and minimum values are ----- to -----  $\mu\text{g}/\text{m}^3$  for PM10, ----- to -----  $\mu\text{g}/\text{m}^3$  for PM2.5. The SO<sub>2</sub> concentrations are in the range of ----- to ----- and NO<sub>x</sub> in the range of ----- to -----  $\mu\text{g}/\text{m}^3$ . The incremental increase is projected to be -----  $\mu\text{g}/\text{m}^3$  for PM10, -----  $\mu\text{g}/\text{m}^3$  for PM2.5, -----  $\mu\text{g}/\text{m}^3$  for SO<sub>2</sub>, and -----  $\mu\text{g}/\text{m}^3$  for NO<sub>x</sub>. The value of total GLC is estimated to be -----  $\mu\text{g}/\text{m}^3$  for PM10, -----  $\mu\text{g}/\text{m}^3$  for PM2.5, -----  $\mu\text{g}/\text{m}^3$  for SO<sub>2</sub>, and -----  $\mu\text{g}/\text{m}^3$  for NO<sub>x</sub>. The observed pollutant levels are compared with CPCB National Ambient Air Quality Standards.

(xxxviii) Surface water Monitoring was done at --- locations. The result indicates that the pH value in the range of ----- and -----, ----- to ----- and its turbidity value is ----- NTU, dissolved oxygen in the range of ----- to ----- mg/l, dissolved solids ranged ----- to ----- mg/l, total hardness in range of ----- to ----- mg/l. Surface water samples have Coliforms ranges between ----- to ----- MPN/100 ml and contaminated due to surface runoff entering these sources.

**Quick User Manual to use Desktop Video Conference**

The NIC, MoEF&CC will moderate the Video Conferencing meeting. The Guidelines related to connecting VC are given below. PP will be ready before 10 minutes of the slot allowed to them. If any problem faced please contact Mr Kamal, Moderator, NIC (Mobile No. 8800225087, email - [support-ipb@nic.in](mailto:support-ipb@nic.in)).

- PP/Consultant who want to make presentation during EAC, must use anddownload/install Vidy App on desktop/Laptop.
- After downloading the app, you are requested to close the app and start afresh by clicking on the link for joining the meeting.
- A web Link for joining the meeting and PIN will be shared by Moderator before the EAC meeting.
- While joining the meeting you would be asked to provide your name and the PIN for the meeting. Project Proponent must provide the respective agenda item along with their name while joining the meeting.
- Procedure for Joining from Mobile devices remains the same. Click on the link on yourmobile device. It may prompt you to install the app. Please download the app. After downloading the app, you are requested to close the app and start afresh by clicking onthe link for joining the meeting. Click the tab appearing on the screen- Join conference/meeting.
- Please see the control menu to manage the conference. Keep your microphone mute and unmute only when you wish to speak. You can chat or share desktop screen.
- User should have minimum Internet connection of 2 Mbps from any service provider (Broadband/4G etc)
- A Desktop/Laptop working in windows with wired Earphone/Headphones with Microphone (Strongly recommended) or External USB camera & Speaker cum microphone is recommended.

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