



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



Agenda of Expert Appraisal Committee

Meeting ID : IA/CMIN/13243/09/06/2022
Meeting Venue : Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003
Meeting Type : Video Conference
Agenda Generation Date : 02-06-2022

The following proposals are being considered for deliberation in the Expert Appraisal Committee as per the scheduled given bellow

Meeting Schedule :

SL. No	Meeting date	Date (From)	Date (To)
1	09 Jun 2022	10:30 AM	12:30 PM

Date of Meeting : 09-06-2022

SL. No	Proposal No.	File No.	Proposal Name	Company Name	Tehsil	Distri ct	State	Propo sal Type
1	IA/JH/CMIN/268464/2020	IA-J-11015/13/2020-IA-II(M)	Banhardih Coal Mining Project of 12 MTPA in mine lease area of 1818.10 ha of to M/s. Patratu Vidyut Utapdan Nigam Limited (PVUNL) located in villages Ate, Banhardih, Bari, Barwadih, Jagaldaga, Rampur,	PATRATU VIDYUT UTPADAN NIGAM LIMITED	Chandwa	Latehar	Jharkhand	EC
2	IA/OR/CMIN/269880/2022	J-11015/630/2007-IA-II(M)	Bharatpur OC Expansion	BHARATPUR OCP MAHANADI COALFIELDS LIMITED	Talcher Sadar	Angul	Orissa	TOR

Any Other Item with Permission of Chairman:

Sl. No	Proposal No.	File No.	Proposal Name	Company Name	Village	District	State
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List of EAC Member :

SL. 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 31st MEETING OF THE EXPERT APPRAISAL COMMITTEE (COAL MINING SECTOR), SCHEDULED TO BE HELD DURING 09th JUNE, 2022 THROUGH VIDEO CONFERENCE.

AGENDA

09 th May, 2022 (Time: 10:30 hrs to 12:30 hrs)		
Item No.	Time (hrs)	Description
		Opening Remarks by the Chairman.
		Confirmation of the Minutes of the 30 th Meeting of the EAC (Coal Mining Sector) held during 20 th May, 2022 through Video Conferencing at New Delhi.
Consideration of Proposals		
	Day	09th June, 2022, Thursday
31.1	10:30 AM	Banhardih Coal Mining Project of 12 MTPA in mine lease area of 1818.10 ha of M/s Patratu Vidyut Utapdan Nigam Limited (PVUNL) located in villages Ate, Banhardih, Bari, Barwadih, Jagaldaga, Rampur, Sabano, Surli, Tota and Udaypura in Latehar & Chandwa Tehsils, District Latehar (Jharkhand) - For Environmental Clearance -reg [Online proposal No. IA/JH/CMIN/268464/2020; F. No. IA-J-11015/13/2020-IA-II(M)]
31.2.	11:30 AM	Expansion of Bharatpur OCP in Mine lease area from 927.42 Ha to 1556.94 Ha with existing capacity of 20MTPA of M/s Mahanadi Coalfields Limited (MCL) located at villages: Expansion area: Nakeipasi, Niladripur, Satyabadipur, Kishorechandrapur, Sarang, Tileipasi, Khajuria, Prasannanagar, Solada, Danara, Existing: Nakeipasi, Lachhmanpur, Padmabatipur, Dasarathipur, Anantaberani, Baideswar, Jambubahali of Tehsil Talcher Sadar, District Angul (Odisha)- For Terms of Reference-reg [Online Proposal No. IA/OR/CMIN/269880/2022; File No. J-11015/630/2007-IA-II(M)]
31.3	12:15 PM	Any other item with permission from Chairman

IMPORTANT NOTE

1. The 31st Meeting of 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.
 - 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 **06th June, 2022, 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, 2nd 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, 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 25th 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 3rd 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,atleast** before 45 minutes of the slot allowed to them.

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

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

8.	Dr. Unmesh Patnaik Associate Professor, Centre for Climate Change & Sustainability Studies, Tata Institute of Social Sciences (TISS), Deonar Farm Road, Mumbai – 400088. E-mail: unmesh.patnaik@tiss.ed	Member (Non-official)
9.	Shri Prasant Kumar Mohapatra Former Director (Technical)- NTPC Ltd. Flat No.94B, GayanKhand-IV, Indirapuram, Ghaziabad – 201014. E-mail: pkmsipat11@gmail.com	Member (Non-official)
10.	Representative of Central Pollution Control Board, New Delhi– Officer dealing in Thermal Power/Coal Mining. Email id : sanjeevpaliwal.cpcb@nic.in	Member (Official)
11.	Representative of Central Electricity Authority (CEA), Ministry of Power, Govt. of India, New Delhi. Email id: Mpsingh.cea@nic.in / mpsingh1967@gmail.com	Member (Official)
12.	Representative of Director General Indian Meteorological Department (IMD), New Delhi. Email id: - rk.giriccs@gmail.com	Member (Official)
13.	Representative of Indian School of Mines Dhanbad (ISM Dhanbad) Email id : sheoshankar@iitism.ac.in	Member (Official)
14.	Shri Lalit Bokolia Member Secretary (Coal Mining Sector) Ministry of Environment, Forest & Climate Change Govt. of India, New Delhi- 110003. Email id : lk.bokolia@nic.in	Member Secretary (Official)

ANNEXURE- II

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 and 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) fromMT 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 ^(c):
 - 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
 - Mode of transport of raw coal, reject and washed coal
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 ofha 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
- (v) 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 our the PH
- 49. Issues raised during Public Hearing and assurance given along with the financial provision sand action plan, if any, by the project proponent. (Please attach as an annexurein 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 form 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, forM2.5,for SO2, andfor NOx. The value of Total GLC is for PM10, for PM2.5, for SO2, andfor 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 that the 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, previous EC(s) granted details and its compliance details, NOC details from various 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

ANNEXURE-III

Brief Summary of the Project (in word format)

The proposal is for ToR/EC for Project of ...MTPA capacity in mine lease area ofha of M/s located in village, Tehsil, District (West Bengal).

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

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) 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 13th 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 theon
- (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	OutsideML 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 withMT mineable reserve. Out of total mineable reserve ofMT, 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 bymethod

- (xiv) Life of mine is ...years.
- (xv) The project has ... external OB dumps in an area of ha withm height andMm³ of OB. ... internal OB in an area ofha with Mm³ of OB is envisaged in the project.
- (xvi) Total quarry area is..... ha out of which backfilling will be done inha while final mine void will be created in an area ofha with a depth of m. Backfilled quarry area ofha shall be reclaimed with plantation. Final mine void will be converted
- (xvii) Transportation of coal has been proposed by in mine pit head, from surface to siding byand at sidings by
- (xviii) Reclamation Plan in an area ofha, comprising of ha of external dump,ha of internal dump and ha of green belt. In addition to this, an area of 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 betweenm 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 29th December, 2017.
- (xxiv) Public hearing for the project ofcapacity in an area ofha was conducted onat..... under the Chairmanship of.....Major issues raised in the public hearing include Appropriate action to address the issues raised in the Public Hearing have already been taken/proposed to be taken are as under:
 - (xxv) Consent to Operate for the existing capacity was obtained from the State PCB on. and is valid till.....
 - (xxvi)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.
 - (xxvii) Regular monitoring of ambient air quality is being carried out on fortnightly basis. The documented report is submitted toand 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.

- (xxviii) No court cases, violation cases are pending against the project of the PP.
- (xxix) 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:
 - (xxx) The project involvesproject affected families. R&R of the PAPs will be done as per.....
 - (xxxi) 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
 - (xxxii) Consent to operate (CTO) was obtained from the State Pollution Control Board on and is valid till.....
 - (xxxiii) Past Production details comparison with existing EC

ANNEXURE-IV

Quick User Manual to use Desktop Videoconference

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 and download/install Vidyo 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 your mobile 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 on the 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.
