



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



Agenda of Expert Appraisal Committee

Meeting ID : IA/CMIN/13644/09/05/2025
Meeting Venue : Through Video Conferencing, MoEF&CC
Meeting Type : Video Conference
Agenda Generation Date : 07-05-2025

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	09 May 2025	10:30 AM	18:00 PM

Date of Meeting : 09-05-2025

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/CG/CMIN/420565/2023	J-11015/487/2007-IA-II(M)	Dipka Opencast Coal Mine	SOUTH EASTERN COAL FIELDS LIMITED	Tehsil: District: State: Chhattisgarh	EC

Any Other Item with Permission of Chairman:

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Remarks
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List of EAC Member :

S.No	Members Name	Designation	Email_ID
1	Dr. Sharad Singh Negi	Chairman	sharadnegi1957@gmail.com
2	Shri Mahi Pal Singh	Member	Mpsingh.cea@nic.in
3	Dr. Vinod Agrawal	Member	vinodudz@yahoo.com
4	Dr Nazimuddin	Member	Nazim.cpcb@nic.in
5	Shri Harmeet Sahaney	Member	harmeet.sawhney@imd.gov.in
6	Prof. R M Bhattacharjee	Member	rmbhattacharjee@iitism.ac.in
7	Sh. Inder Pal Singh Matharu (IFS ret.)	Member	matharu0204@gmail.com
8	Sh. Lalit Kapur (Adviser, ret. MOEFCC)	Member	lkapoor2000@yahoo.com
9	Dr. Santosh Kumar Hampannav	Member	santoshkumar777@yahoo.com
10	Dr. Umesh Jagannathrao Kahalekar	Member	ukahalekar@rediffmail.com
11	Sh. Savalge Chandrasekhar	Member	savalgec@gmail.com
12	Sh. K.B. Biswas	Member	biswaskiriti@gmail.com
13	Prof. Shyam Shanker Singh	Member	singhss.ggu@gmail.com
14	Shri Amit Vashishtha	Member Secretary	amit.vashishtha@nic.in

AGENDA FOR 25TH MEETING OF EXPERT APPRAISAL COMMITTEE (COAL MINING SECTOR), SCHEDULED TO BE HELD ON 9TH MAY 2025, THROUGH VIRTUAL MODE

Date: 9th May, 2025 (Time:10:00 hrs to 05:30 hrs)		
Item No.	Time (Hrs)	Description
Opening Remarks by the Chairman.		
		Confirmation of the Minutes of the 24 th Meeting of the EAC (Coal Mining Sector) held on 30 th April, 2025 through Physical Mode.
25.1	10:00 A.M.	Jawahar Khani Opencast Mine [Amalgamation of JK-5 OC and 21 Incline (Conversion to OC)] [ML area increasing from 1015.1 ha to 1114.507 ha with production capacity of 2.50 MTPA (rated)/ 3.75 MTPA (peak)] by M/s Singareni Collieries Company Limited , located at Villages: Sudimalla and Usirikayalapalli District: Bhadradi Kothagudem & Khammam; State: Telangana – Environmental Clearance – regarding. [Online Proposal no. IA/TG/CMIN/533047/2025; File No. 23-257/2018-IA(III)]
25.2	11:30 A.M.	Greenfield Wet Type Coal Washery Project Based on Heavy Media Cyclone Technology (area: decreasing from 9.71 Ha to 9.54 Ha having washery capacity 2.6 MTPA) by M/s Veeraj Earrthfusion Private Limited , located at Village: Amali; District: Bilaspur; State: Chhattisgarh – Amendment in Terms of Reference – reg. [Online Proposal no. IA/CG/CMIN/534013/2025; IA-J-11015/77/2024-IA-II(M)]
01:00		Lunch Break
25.3	02:00 P.M.	Integrated Lakhanpur Belpahar Lilari Opencast Project (area: 4399.246 having production capacity 40 MTPA) by M/s Mahanadi Coalfields Limited , located at Villages: Chharla, Bandhabahal, Balput, Banjipali, Khuntmahul, Tingismal, Khairkuni, Ubuda, Darlipali, Kirarama, Jurabaga, Kusraloi, Karlajori, Khaliapali, Kudaloi, Lakhanpur and Soldia; Tehsil: Lakhanpur; District: Jharsuguda; State: Odisha – Amendment in Environment Clearance – regarding. [Online Proposal no. IA/OR/CMIN/533708/2025; IA-J-11015/15/2019-IA-II(M)]
25.4	03:00 P.M.	Arjuni East underground Coal Mine (area 1044.819 Ha having capacity 2.04 MTPA) by M/s Ultratech Cement Limited , located at villages: Pahadiya, Dhaurai, Arjuni and Badwahi; District: Umaria; State: Madhya Pradesh – Amendment in Terms of Reference – regarding. [Online Proposal no. IA/MP/CMIN/534294/2025; IA-J-11011/236/2024-IA-II(M)]
25.5	04:00 P.M.	Amelia Coal Mine Project (area: 1180.2 Ha having capacity 5.6 MTPA) by M/s THDC India Limited located at Villages: Pidarwah; Tehsil: Singrauli; District: Singrauli; State: Madhya Pradesh – Amendment in Environment Clearance, based on ADS reply – regarding. [Online Proposal no. IA/MP/CMIN/438322/2023; File no. J-11015/310/2006-IA.II(M)]
25.6	05:00 P.M.	Dipka Opencast Coal Mine project (area: 1999.293 Ha having increase in production capacity from 35 MTPA to 37.5 MTPA) of M/s South Eastern Coalfields Limited, located at village: Dipka, Tehsil: Katghora; District: Korba; State: Chhattisgarh - For environment clearance dated 05/09/2022 issued under O.M. No. IA3-22/10/2022-IA.III dated 07/05/2022 [Availed total 50% relaxation of OM under clause 7(ii) of EIA Notification, 2006] – Consideration based on ADS reply – reg. [Online Proposal No. IA/CG/CMIN/420565/2023; File No. J-11015/487/2007-IA-II(M)]
		Additional agenda with the permission of Chair if any.

IMPORTANT NOTE

1. The 25th Meeting (9th May 2025) of the EAC (Coal Mining) will be held in **Virtual Mode**.
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.
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/EMP report, 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. Project Proponents shall send the following information (electronically/in soft only) on the proposed project or activity by e-mail, addressed to Chairman, all the Members of EAC (Coal Mining) [refer Annexure I] and Ministry (e- mail addressed to r.sundar@nic.in, rp.rastogi@gov.in & ia2.coalmining@gmail.com) latest by **30th April 2025** positively. In case EAC and Ministry officials do not receive documents by e-mail within the stipulated time period, the EAC may not consider the project.
 - 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-IV; 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 for project or activity under item 1(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 & IIIA
 - 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. 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/mining 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 Hon'ble 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. In case of mining project additionally mention the details of government notifications/lease etc. obtained by the PP.
 - There is no difference in the documents submitted i.e., Common Application Form, 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.
 4. All the documents including presentation material being submitted to the EAC/ Ministry in soft/ electronic form shall be legible.
 5. 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. Additionally, duly filled in Undertaking at Annexure V may also be submitted.
 6. Manual to use Desktop Video Conference is at Annexure VI
 7. 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.
 8. 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.

9. 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.
10. The proponent shall avoid delivery of documents by hand and seeking meeting with the Chairman/Members in this regard.

ANNEXURE-I

Composition of Expert Appraisal Committee (Coal Mining)

S. No.	Name & Address	Role	E-mail
1.	Shri Inder Pal Singh Matharu, IFS (Retd.) A-12, Haridas Ji Magri, Trident Hotel Road, Udaipur – 313001, Rajasthan	Chairman	matharu0204@gmail.com
2.	Shri Lalit Kapur Retd. Adviser, MoEFCC A1/337 Janakpuri, New Delhi - 110058	Member	lkapoor2000@yahoo.com
3.	Dr. Umesh Jagannathrao Kahalekar B1-704, Acolade Housing Society, Tukaramnagar, Kharadi, Pune – 411 014	Member	ukahalekar@rediffmail.com
4.	Dr. Santosh Kumar Hampannavar Dean (R&D), SDM College of Engineering and Technology, Dharwad, Karnataka – 580 002	Member	santoshkumar777@yahoo.com
5.	Shri Savalge Chandrasekhar House No. B-309, Express Apartments, Lakdi-ka pul, Khairatabad, Hyderabad – 500 004	Member	savalgee@gmail.com
6.	Shri K. B. Biswas Former Chairman Central Ground Water Board, Camellia Apartment, 313, Natunpally, Ghasiara More, Sonarpur, Kolkata - 700150	Member	biswaskiriti@gmail.com
7.	Prof. Shyam Shanker Singh Guru Ghasidas Central University, Bilaspur, Chhattisgarh	Member	singhss.ggu@gmail.com
8.	Dr. Vinod Agrawal Retd. Professor of Geology 161, Sarva Ritu Vilas, Udaipur – 313 001	Member	vinodudz@yahoo.com
9.	Shri Prasoon Gargava, Scientist – F Representative of Central Pollution Control Board	Member	prasoon.cpcb@nic.in
10.	Shri Mahi Pal Singh, Chief Engineer (TPPD) Representative of Central Electricity Authority (CEA)	Member	Mpsingh.cea@nic.in
11.	Shri Harmeet Sahaney Representative of Indian Meteorological Department (IMD)	Member	harmeet.sawhney@imd.gov.in
12.	Prof. R M Bhattacharjee Dept. of Mining Engineering IIT (ISM), Dhanbad Jharkhand – 826004 Representative of IIT/ISM Dhanbad	Member	rmbhattacharjee@iitism.ac.in
13.	Shri Sundar Ramanathan Scientist 'F', MoEF&CC	Member Secretary	r.sundar@nic.in

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 r.sundar@nic.in and rp.rastogi@gov.in & ia2.coalmining@gmail.com 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)/ Severally Polluted Area (SPA):
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 toMT
 - (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
 - i. Whether new or capacity enhancement
 - ii. Location details of the coal washery with its coordinates
 - iii. 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
 - iv. Mode of transport of raw coal, reject and washed coal
 - d. In case of Lignite mine
 - i. Kindly mention the detail of the other non –coal mining mineral extraction (if any)
 - ii. The production capacity and mode of mining non –coal mining mineral
 - iii. 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

27. Technical details

Details of mine lease: -

- (i) Date of Block allotment/ lease with its expiry date
- (ii) Method of mining

(a) 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

(b) 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

(c) Life of mine:

(d) Top Soil Management:

- (i) Quantity of Top Soil to be generated:
- (ii) Storage of Top Soil:
- (iii) Handling/Utilisation of Top Soil:
- (iv) Number of Top Soil Dumps:

(e) Waste/OB Management:

(i) Dumps Details:

Details	Internal Dumps	External Dumps	Remarks
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	Nos.	Quantity of Waste/OB stored (m3)	Nos.	Quantity of Waste/OB stored (m3)	Whether external dump is outside mine lease area
Existing					
Proposed					
Total					

(ii) Specification of Each Dumps:

Dump No	Area	Height	Quantity m3	Type (Internal/External)

(iii) Year of backfilling

(iv) Year wise waste generation and backfilling needs to be provided in tabular format for life of mine:

Year	Waste generation (m3)	Store in Dumps (m3)	Backfilled (m3)
	A	B	C
2023-24			

(f) Utilization potential of wastes/ Rejects

- (i) Within the mines
- (ii) Outside mines
- (iii) Efforts made by proponent

(g) Details of final Mine Voids

- (i) Area
- (ii) Depth

(h) 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 water body
- (iv) Green belt created in ha.

(i) Details of Land usage

a. 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)			

b. 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.	Plantation (apart from Green Belt)					
8.	Safety Zone					
9.	Undisturbed Area					

c. 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			

(j) 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

(k) 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.)

(l) 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.

(m) Details of reclamation:

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

This will include:

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

28. Legal Issues/ Violation

- a) 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) Wildlife Protection Act, 1972
- (vii) Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980
- (viii) Other land R&R related cases.

- b) Any violation cases pending. If so, please provide a list with details as separate annexure
- c) 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

29. 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?

30. 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):

PUBLIC HEARING ISSUES

- 31. Date and Place of public hearing:
- 32. The designation of officer presided our the PH
- 33. 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 annexure in a tabular form.)
- 34. Number of representation received in writing from the district and outside of district, please give details

35. Consultant:

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.

Name of specialists (FAEs) /consultants involved in making EIA/EMP report

- 36. 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 PM_{2.5} 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 PM, for PM_{2.5}, for SO₂, and for NOx. The value of Total GLC is for PM₁₀, for PM_{2.5}, 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 that the maximum and minimum values of DO ranges between to, hardness ranged between to etc

37. Other Information

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 from various Govt bodies like Forest NOC(s), CGWA permissions, Power permissions, etc as per the requisites respectively.

38. IMG of Ministry of Coal:

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 (along with the contact details)

Date

ANNEXURE-III

Format for Brief Write-Up [Environment Clearance including para 7(ii) and ADS cases]

1. M/s. has made an online application vide proposal no. Dated along with copy of EIA/EMP report, Form and Certified compliance report [Only for expansion and clause 7(ii) cases] seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. (all schedules pertaining to the project)..... Under Category “.....” of the schedule of the EIA Notification, 2006 and attracts general condition due to..... (if applicable) and appraised at Central Level.
2. **Previous approvals:** PP submitted the details of previous approvals in the chronological order as follows: (Only for expansion cases)

S. No.	Details of Letter No.	EC/Expansion EC/Amendment in EC/Validity extension/Transfer of EC	Capacity (MTPA)	Area (MTPA)	Date of issuance	Status of implementation
1						
2						
3						
4						
5						
6						

W.r.t the previous approvals, PP submitted the actual production details of the concerned mine and submitted that the mine became operational from --- onwards. CTO renewal has been obtained from the SPCB and is valid up to ----- . Details of the same are as follows:

Year	Actual Coal Production in MTPA	Planned Coal production in MTPA as per Environmental Clearance	Excess Production

3. The project of M/s.....located inVillage, Tehsil, District, State is for setting up of a new For production of Million Tons Per Annum (MTPA)/ enhancement of production of From..... to MTPA and/or increase in mining lease area from...to..... (In case of integrated project i.e UG with OC or with Coal Washery please provide the details and modify the para accordingly).

Environmental Site Settings:

4. The project area is covered under Survey of India Topo sheet No. and is bounded by the geographical coordinates ranging from N andN and longitudes E and E. The DGPS coordinates of the ML area are given in Tableof EIA Report.
5. Project fall/does not fall in the Critically Polluted Area (CPA)/ Severely Polluted Area (SPA), as per CEPI Assessment 2018. (if yes please provide details)

6. Forest Area:

- (i) The project involved total Ha of forest land the details of the approval already obtained or applied for is as follows: *(In case Stage-I is not obtained please provide the details of application made for the same)*

Sl No	Obtained vide letter No.	Area (ha)	Stage I/II	Validity
1				
2				
Total				

- (ii) Total broken forest area.
 (iii) Extent of forest land in the project (including safety zone and all types of forest land) (in ha)
 (iv) Any violation of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980:

7. Protected Area:

- (i) The project is not located within 10 KM of any ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve/tiger corridor/elephant corridor etc. (if yes please provide the details)

Details of PAs/ESZ/ESA/Corridor	Distance from the Mining Lease

Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Study area Name of the ESZ/ESA: Status of Notification: Distance of project from ESZ/ESA: Authenticated map of ESZ projecting distance of ESZ from project site: Status of NBWL approval: List of Reserved and protected forests:
--	---

- (ii) Any Violation of WLP, Act:
 (iii) Details of wild life issues involved, if any. If so, whether WL management plan has been prepared; pl. indicates the status.
 (iv) Whether schedule -I species, if yes conservation plan is approved by CWLW?

8. Other Sensitive receptors in the proximity of the project (within 5 km of ML area):

Project site proximity to sensitive area	Yes/ No						
i. Habitation	<p>(i) Habitation</p> <table border="1"> <thead> <tr> <th>Village</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Village	Distance	Direction			
Village		Distance	Direction				
ii. School							
iii. River/Waterbody							
iv. Forest							
v. Archaeological Survey of India (ASI) protected site							

vi. Any other			
	(ii) Schools		
	Schools	Distance	Direction
	Tapranga Primary School	Within	Within
	(iii) River/ Nallah		
	River/Nallah	Distance	Direction
(iv) Reserved/Protected forests			
Reserved/Protected forests	Distance	Direction	
(v) Archaeological Survey of India (ASI) protected site:			
(vi) Any other:			

9. **Mining Lease:** Please provide the details of mining lease (if in parts then details provided in table). In case an outside lease area is also proposed in project area then details of LOI obtained needs to be provided.

Sl No	Govt. Order/Notifications as the case may be	Area (ha)
1		
2		
Total-1		
3.	Details of LOI (for area outside lease area)	
Grand Total		

Date of Block allotment/ lease with its expiry date:

10. Details of ToR are furnished below:

Date of Application	Details	Date of Accord	ToR Validity

11. **Certified Compliance Report:** Certified compliance report from Regional Office [Only for expansion and clause 7(ii) cases] The Status of compliance of earlier EC was obtained from Regional Office, vide letter no., dated in the name of M/s. The Action taken report regarding the partially/non-complied condition was submitted to Regional officer MoEF&CC, vide letter no. dated MoEF&CC (RO), evaluated the same and has issued letter dated

..... The details of the observations made by RO in the report dated along with its re-assessment / present status as furnished by the PP is given as below.

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

In case certified compliance report is obtained from SPCB/PCC please provide reason and justification for the same:

12. Legal Issues/ Violation: PP reported that there is no legal issue/violation wr.t i) Environment (Protection) Act, ii) Air(P&CP) Act, Water (P&CP), Act, Van (Sanrakshan Evam Samvardhan) Adhiniyam, Wildlife Protection Act, MMDR Act, Factories Act. Further, there is no court case on the project. **(Any violation cases pending. If so, please provide a list with details as separate annexure)**

13. Details of Mine Plan and Mine Closure Plan:

- i. Mine plan & mine closure plan approval details:
- ii. Method of mining
- iii. Whether it is an interlinked project (details of the same)
- iv. Details of geological reserves, mineable reserves, extractable reserves and percentage of extraction:
- v. Total nos. of seams, total nos. of workable seams and thickness of the same:
- vi. Grade of coal:
- vii. Stripping ratio:
- viii. Life of Mine:
- ix. Top soil management details:
 - a. Quantity of Top Soil to be generated:
 - b. Storage of Top Soil:
 - c. Handling/ utilization of top soil:
 - d. Nos of Top soil dumps, its area and height:
- x. Nos. of OB Dumps, its area, its height and OB Management:
- xi. Land use details:
 - a. Pre-mining land use:
 - b. Post-mining Land use:
- xii. Details of Transportation:
 - a. In-pit to surface:
 - b. Surface to siding:
 - c. Siding to loading:
 - d. Quantity being transported by rail/ road/ conveyor/ ropeway:
- xiii: Details of reclamation:

14. Water Requirement:

Source of Water	a) Surface Water b) Ground Water	
-----------------	-------------------------------------	--

	c) Other (if any)	
Ground Water Intersection		
NOCs (Surface Water/Ground Water)		
Water Requirement	Provide details	
Diversion of River/ Nallah	Provide details	

15. Power Requirement and details of diversion of Hi-Tension/ Transmission Line:

16. Baseline Data:

Period	Additional Study (If any)
AAQ parameters at Locations (min and max)	<p>Core zone:</p> <p>PM_{2.5} = To µg/m³</p> <p>PM₁₀ = To Mg/m³</p> <p>SO₂ = to µg/m³</p> <p>Nox = To µg/m³</p> <p>CO = To µg/m³</p> <p>Buffer Zone:</p> <p>PM_{2.5} = To µg/m³</p> <p>PM₁₀ = To Mg/m³</p> <p>SO₂ = to µg/m³</p> <p>Nox = To µg/m³</p> <p>CO = To µg/m³</p>	
Incremental GLC Level	<p>Core zone:</p> <p>PM₁₀ = µg/m³ (Level atkm in..... Direction)</p> <p>SO₂ = µg/m³ (Level atkm in.....Direction)</p> <p>Nox = µg/m³ (Level atkm in.....Direction)</p> <p>CO = µg/m³ (Level atkm in..... Direction)</p> <p>Buffer Zone:</p> <p>PM_{2.5} = To µg/m³</p> <p>PM₁₀ = To Mg/m³</p> <p>SO₂ = to µg/m³</p> <p>Nox = To µg/m³</p> <p>CO = To µg/m³</p>	
Ground water quality at	<p>pH:to....., Total Hardness:to..... mg/l,</p> <p>Chlorides: to mg/l, Fluoride:.....to</p> <p>mg/l. Heavy metals.....</p>	

Locations																						
Surface water quality at	pH:to; DO:to..... mg/l and BOD:mg/l. COD from.....to.....mg/l																					
Noise levels Leq (Day and Night) to for the day time and to for the Night time.																					
Traffic assessment study findings	<p>Traffic study has been conducted at NH/SH/MDR.....which approximately.....(distance) from the mine site.</p> <p>Transportation of mineral will be done% by road. Existing PCU is PCU/hr on(NH/SH/MDR) and existing level of service (LOS) is:</p> <table border="1"> <thead> <tr> <th>Road</th> <th>V (Volume in PCU/hr.)</th> <th>C (Capacity in PCU/hr.)</th> <th>Existing V/C Ratio</th> <th>LOS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>PCU load after proposed project will be.....(Existing) +(Additional) PCU/hr and level of service (LOS) will be:</p> <table border="1"> <thead> <tr> <th>Road</th> <th>V (Volume in PCU/hr.)</th> <th>C (Capacity in PCU/hr.)</th> <th>Proposed V/C Ratio</th> <th>LOS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Note: Capacity as per IRC-..... Guide line for capacity for roads.</p> <p>Conclusion: The level of service will after including additional traffic due to proposed project.</p>	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS						Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS						
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS																		
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS																		
Flora and fauna	Presence of schedule I fauna and endangered Flora if any. If yes, status of site specific wildlife conservation plan.																					
Water Requirement	<p>Source of Water:</p> <p>Ground Water Intersection:</p> <p>Water Requirement:</p>																					

	NOC (For surface water): NOC(Ground Water):	

17. Solid and Hazardous Waste: The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

Sl No	Type of Waste	Source	Quantity (TPA)	Mode of Treatment	Disposal	Remarks

18. EMP Cost: Existing capital cost of project was.....[Only for expansion and clause 7(ii) cases]. The capital cost of the proposed project is Rs.....Crores and the capital cost for environmental protection measures is proposed as Rs.....Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs.....Crores. The employment generation from the proposed project / expansion is..... The details of cost for environmental protection measures is as follows:

Sl No.	Description of Item	Existing (In Cr/Lakh)		Proposed (In Cr/Lakh)	
		Capital Cost	Recurring Cost	Capital Cost	Recurring Cost
(i)	Air Pollution Control/ Noise Management				
(ii)	Water Pollution Control				
(iii)	Environmental Monitoring and Management				
(iv)	Green Belt & Plantation Development				
(v)	Other heads as proposed in EIA/committed during the EAC				

19. Public Consultation: (In case of clause 7(ii) cases, only details of earlier public consultation shall and its implementation status shall be furnished)

Details of advertisement given	
Date of public consultation	

Venue	
Presiding Officer	
Number of Person Attended Hearing	
Number of representation received in writing from the district and outside of district, please give details:	
Major issues raised

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

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

Sample of Activities:

	Particulars	Location (Name of School/Village/Area)	Year-1 (In Lakhs)	Year-2 (In Lakhs)	Total (In Lakhs)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

	Particulars	Location (Name of School/Village/Area)	Year-1 (In Lakhs)	Year-2 (In Lakhs)	Total (In Lakhs)
Total					

20. Plantation: Existing green belt has been developed in ha area which is about ...% of the total project area ofha with total sapling of Trees [Only for expansion and clause 7(ii) cases]. Proposed greenbelt will be developed in ha which is about% of the total project area. Thus total of ha area (.....% of total project area) will be developed as greenbelt. A -- --m wide greenbelt, consisting of at least 3 tiers around mine boundary will be developed as greenbelt and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of saplings will be planted and nurtured inhectares in years. In addition to this plantation shall be carried out in (details of plantation of dumps etc may be incorporated)

21. Rehabilitation and Resettlement:

22. Project Cost:

- a. Costs of the project:
- b. Total capital Cost:
- c. Cost of Production:
- d. Sale Price:
- e. CSR cost:
- f. R&R Cost:
- g. No of PAFs:
- h. Cost for implementing EMP (Capital and Recurring both):

23. Undertaking/Affidavit: Please provide details of undertaking and affidavit submitted.

24. ADS Information in chronology:

M/s. made an online application vide proposal no. dated..... The proposal was initially considered in meeting of EAC (Coal) held on Proposal was deferred for want of additional information. The observations and recommendation is given as below:

The proponent submitted the ADS reply vide letter dated uploaded on PARIVESH on..... Point-wise reply of ADS is given as below:

Sl No.	ADS Point	Reply/Response of PP

Summary:

- (i) The instant proposal is for grant of EC/Expansion/Amendment in EC.....

- (ii) 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.
- (iii) 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.
- (iv) Coal linkage of the project is proposed for ... Use for various ...
- (v) Joint venture cartel has been formed ...
- (vi) 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.
- (vii) Terms of Reference granted on – (for EC proposals)
- (viii) Total mining lease area as per block allotment is ha. Mining Plan (Including Progressive Mine Closure Plan) has been approved by theon ...
- (ix) 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%.
- (x) seams with thickness ranging from ...m – m are workable. Grade of coal is, stripping ratio while gradient is to
- (xi) Method of mining operations envisages by Method
- (xii) Life of mine is ...years.
- (xiii) The project has ... external OB dumps in an area of ha withm height and Mm3 of OB. ... internal OB in an area ofha with Mm3 of OB is envisaged in the project.
- (xiv) Total quarry area is ha out of which backfilling will be done inha while final mine void will be created in an area of ha with a depth of m. Backfilled quarry area ofha shall be reclaimed with plantation. Final mine void will be converted
- (xv) The Public hearing was conducted onunder the chairmanship of The advertisement for PH was publish in.... and on.... The Public Hearing was attended by ...no of persons and total ... no of written comments were also received. The main issues raised during the PH involves The budget earmarked to address the issues raised during PH isCr/Lakh.

- (xvi) Existing capital cost of project was.....[Only for expansion and clause 7(ii) cases]. The capital cost of the proposed project is Rs.....Crores and the capital cost for environmental protection measures is proposed as Rs.....Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs.....Crores. The employment generation from the proposed project / expansion is.....
- (xvii) The project involves ...Ha of forest land for which Stage-I/II has already been obtained ...
- (xviii) The project is falling/not falling within 10 KM of any PA,.....
- (xix) The project does not involve violation of EIA.....
- (xx) There is no court case/having court cases....
- (xxi) The project is reported to be beneficial in terms of
- (xxii) Employment generation ... employment to Persons will be provided from the project.

ANNEXURE-III A

Format for Brief Write-Up [Amendment Cases]

1. M/s. has made an online application vide proposal no. Dated for amendment in Environmental Clearance granted vide Letter Dated
2. **Details of all the prior ECs including the EC for which amendment is sought (if more than one EC accorded):**

S. No.	Details of Letter No.	EC/Expansion EC/Amendment in EC/Validity extension/Transfer of EC	Capacity (MTPA)	Area (MTPA)	Date of issuance	Status of implementation
1						
2						
3						
4						
5						
6						

3. **Details of EC for which amendment is sought:**

M/s accorded EC for the project vide letter no. dated and later re-validated/ sought amendment vide letter no. dated (if any).

4. **Present status of implementation of EC for which amendment is sought:** W.r.t the previous approvals, PP submitted the actual production details of the concerned mine and submitted that the mine became operational from --- onwards. CTO renewal has been obtained from the SPCB and is valid up to ----- . Details of the same are as follows:

Year	Actual Coal Production in MTPA	Planned Coal production in MTPA as per Environmental Clearance	Excess Production

5. **The details of the condition for which amendment is sought and justification for the same is as follows:**

Specific/General Condition No	Details of Conditions as per EC	Amendment Sought	Justification

6. **Details of court cases pending:** Details of A) pending legal cases, B) violation w.r.t i) Environment (Protection) Act, ii) Air(P&CP) Act, Water (P&CP), Act, Van (Sanrakshan Evam Samvardhan) Adhinyam, Wildlife Protection Act, MMDR Act, Factories Act, other R&R related cases if any and C) Show cause notices issued by MoEF&CC/SPCB with respect to the EC under consideration shall be submitted along with the requisite supporting documents.
7. **Any other important information relevant to this particular proposal (including studies conducted, NoC/ clarification accorded, etc.):**

ANNEXURE IV

Format for Brief Write-Up (TOR)

1. M/s. has made an application online vide proposal no. dated along with the application in prescribed format (Form-I), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S. No. under Category “...” of the schedule (all schedules pertaining to the project) of the EIA Notification, 2006 and attracts general condition due to..... (if applicable) being appraised at Central Level.
2. The project of M/s.....located inVillage,Tehsil,District,.....State is for operating a mine/washery for production ofMillion Tons Per Annum (MTPA)/ enhancement of production of from..... toMTPA & increase in lease area from...to...; within the mining lease area of ... Ha.

Environmental site settings:

3. The project area is covered under Survey of India Topo sheet No. and is bounded by the geographical coordinates ranging from N andN and longitudes E and E. The DGPS coordinates of the ML area are given in Tableof EIA Report.
4. Project fall/does not fall in the Critically Polluted Area (CPA)/ Severely Polluted Area (SPA), as per CEPI Assessment, 2018. (if yes please provide details)
5. **Forest Area:** The project involved total Ha of forest land the details of the approval already obtained or applied for is as follows: (*In case Stage-I is not obtained please provide the details of application made for the same*)

Sl No	Obtained vide letter No.	Area (ha)	Stage I/II	Validity
1				
2				
Total				

- (i) Total broken forest area.
- (ii) Extent of forest land in the project (including safety zone and all types of forest land) (in ha)
- (iii) Any violation of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980:

6. Protected Area:

- (i) The project is not located within 10 KM of any ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve/tiger corridor/elephant corridor etc. (if yes please provide the details)

Details of PAs/ESZ/ESA/Corridor	Distance from the Mining Lease

Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Study area Name of the ESZ/ESA: Status of Notification: Distance of project from ESZ/ESA: Authenticated map of ESZ projecting distance of ESZ from project site: Status of NBWL approval: List of Reserved and protected forests:
--	---

- (ii) Any Violation of WLP, Act, 1972
- (iii) Details of wild life issues involved, if any. If so, whether WL management plan has been prepared; pl. indicates the status.
- (iv) Whether schedule -I species, if yes conservation plan is approved by CWLW?

7. Mining Lease: Please provide the details of mining lease (if in parts then details provided in table). In case an outside lease area is also proposed in project area then details of LOI obtained needs to be provided.

Sl No	Govt. Order/Notifications as the case may be	Area (ha)
1		
2		
Total-1		
3.	Details of LOI (for area outside lease area)	
Grand Total		

Date of Block allotment/ lease with its expiry date:

8. Other Sensitive Receptors (within 5 km of ML area):

Project site proximity to sensitive area	Yes/ No																		
vii. Habitation	<table border="1"> <thead> <tr> <th colspan="3">(i) Habitation</th> </tr> <tr> <th>Village</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	(i) Habitation			Village	Distance	Direction												
(i) Habitation																			
Village		Distance	Direction																
viii. School																			
ix. River/Waterbody																			
x. Forest																			
xi. Archaeological Survey of India (ASI) protected site																			
xii. Any other																			

	(ii) Schools		
	Schools	Distance	Direction
	Tapranga Primary School	Within	Within
	(iii) River/ Nallah		
	River/Nallah	Distance	Direction
	(iv) Reserved/Protected forests		
	Reserved/Protected forests	Distance	Direction
(vii) Archaeological Survey of India (ASI) protected site:			
(viii) Any other:			

9. Previous approvals: PP submitted the details of previous approvals in the chronological order as follows:

S. No.	Details of Letter No.	EC/Expansion EC/Amendment in EC/Validity extension/Transfer of EC	Capacity (MTPA)	Area (MTPA)	Date of issuance	Status of implementation
1						
2						
3						
4						
5						
6						

W.r.t the previous approvals, PP submitted the actual production details of the concerned mine and submitted that the mine became operational from --- onwards. Details of the same are as follows:

Year	Actual Coal Production in MTPA	Planned Coal production in MTPA as per Environmental Clearance	Excess Production

10. Mining Plan: The mining plan & mine closure plan for the project was approved for (capacity ...MTPA, Area ... Ha area) vide letter dated... (Please provide the chronological details)

Sl No	Details of Letter No.	Capacity	Area	Remarks if any
1				

2				
3				

(Note: In case the mining plan is not approved by M/o Coal the same needs to be specified and reason to be provided with supporting documents)

1. Integrated Project: (Yes/No)
2. Type of Project –Mine/ Coal washery
 - 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
 - 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

11. Method of Mining:

- (i) Method of Mining to be adopted shall be Opencast/Underground/Opencast cum Underground. The Capacity of the mine applied for normative capacity peak capacity as per approved mining plan is MTPA.
- (ii) Excavation of Coal is through shovel/dumper combination/ Surface Miner ...(Please provide the details as per approved mining plan). The waste/OB handling is with shovel/dumper combination/dragline etc.. ...(Please provide the details as per approved mining plan).
- (iii) 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%.
- (iv) seams with thickness ranging from ...m – m are workable. Grade of coal is, stripping ratio while gradient is to

- (v) Life of mine is ...years.
- (vi) The project has ... external OB dumps in an area of ha withm height and Mm³ of OB. ... internal OB in an area ofha with Mm³ of OB is envisaged in the project.
- (vii) Total quarry area is ha out of which backfilling will be done inha while final mine void will be created in an area of ha with a depth of m. Backfilled quarry area ofha shall be reclaimed with plantation. Final mine void will be converted
- (viii) Details of Land usage

a. 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)			
Total				

b. 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					
Total						

c. 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			
Total				

(ix) Details of transportation of Coal: The coal is proposed to transport within the outside mining lease in the following manner:

- a. In pit:
- b. Surface to siding:
- c. Siding to loading:
- d. Quantity being transported by Road/Rail/conveyer/ropeway
- e. Proposed change in transportation means if any, give details

(x) Detailed Status of Progressive Mining Closure Plan. (For expansion project only): The Status of implementation of progressive mine is that out of total excavated area of ... Ha, the area backfilled after excavation is .. Ha, the total area reclaimed is Ha. There is no deviation from the approved PMCP (in case of deviation please provide details).

(xi) Details of villages/habitation in mine lease area: There are ...no of villages within the mining lease area. Out of which ... no of villages has already been shifted and remainingno of villages are planned to be shifted by

(xii) Acquisition: Out of the total lease area of ... Ha , ...Ha has already been acquired and the remaining area will be acquired by.....

(xiii) Reclamation: The reclamation plan includes i) Afforestation shall be done progressively covering an area of:ha at the end of mining. This will include:

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

12. Baseline Studies: (data if already collected)

Period	Additional Study
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		(If any)
AAQ parameters at Locations (min and max)	<p>Core Zone: PM_{2.5} = To µg/m³ PM₁₀ = To Mg/m³ SO₂ = to µg/m³ Nox = To µg/m³ CO = To µg/m³</p> <p>Buffer Zone: PM_{2.5} = To µg/m³ PM₁₀ = To Mg/m³ SO₂ = to µg/m³ Nox = To µg/m³ CO = To µg/m³</p>	
Incremental GLC Level	<p>Core Zone: PM₁₀ = µg/m³ (Level atkm in..... Direction) SO₂ = µg/m³ (Level atkm in.....Direction) Nox = µg/m³ (Level atkm in.....Direction) CO = µg/m³ (Level atkm in..... Direction)</p> <p>Buffer Zone: PM₁₀ = µg/m³ (Level atkm in..... Direction) SO₂ = µg/m³ (Level atkm in.....Direction) Nox = µg/m³ (Level atkm in.....Direction) CO = µg/m³ (Level atkm in..... Direction)</p>	
Ground water quality at Locations	pH:to....., Total Hardness:to..... mg/l, Chlorides: to mg/l, Fluoride:.....to mg/l. Heavy metals.....	
Surface water quality at Locations	pH:to; DO:to..... mg/l and BOD:mg/l. COD from.....to.....mg/l	
Noise levels Leq (Day and Night) to for the day time and to for the Night time.	
Traffic assessment study findings	Traffic study has been conducted at NH/SH/MDR.....which approximately.....(distance) from the mine site. Transportation of mineral will be done% by road. Existing PCU is PCU/hr on(NH/SH/MDR) and existing level of service (LOS) is:	

	<table border="1"> <tr> <th>Road</th> <th>V (Volume in PCU/hr.)</th> <th>C (Capacity in PCU/hr.)</th> <th>Existing V/C Ratio</th> <th>LOS</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>PCU load after proposed project will be.....(Existing) +(Additional) PCU/hr and level of service (LOS) will be:</p> <table border="1"> <tr> <th>Road</th> <th>V (Volume in PCU/hr.)</th> <th>C (Capacity in PCU/hr.)</th> <th>Proposed V/C Ratio</th> <th>LOS</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Note: Capacity as per IRC-..... Guide line for capacity for roads.</p> <p>Conclusion: The level of service will After including additional traffic due to proposed project.</p>	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS						Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS						
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS																		
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS																		
Flora and fauna	Presence of schedule I fauna and endangered Flora if any. If yes, statu	site specific wildlife conservation plan.																				
Water Requirement	Source of Water:																					
	Ground Water Intersection:																					
	Water Requirement:																					
	NOC (For surface water):																					
	NOC (Ground Water):																					

PP reported that the Laboratory involved in analysis of water, air, noise & soil quality data, etc. has been accredited by the NABL/ MoEF&CC bearing the Certificate of Accreditation No....and valid from till.

13. Water Requirement:

Source of Water	d) Surface Water e) Ground Water	
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	f) Other (if any)	
Ground Water Intersection		
NOCs (Surface Water/Ground Water)		
Water Requirement	Provide details	
Diversion of River/ Nallah	Provide details	

14. Details of diversion of High-Tension/ Transmission Line:

15. Solid and hazardous Waste generation: The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

Sl No	Type of Waste	Source	Quantity (TPA)	Mode of Treatment	Disposal	Remarks

16. R&R Issues:

17. Project Cost & benefits:

18. Legal Issues/ Violation: PP reported that there is no legal issue/violation wr.t i) Environment (Protection) Act, ii) Air(P&CP) Act, Water (P&CP), Act, Van (Sanrakshan Evam Samvardhan) Adhiniyam, Wildlife Protection Act, MMDR Act, Factories Act. Further, there is no court case on the project. **(Any violation cases pending. If so, please provide a list with details as separate annexure)**

ANNEXURE-V

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 to be held on **09th May 2025** have no deviation in respect of the proposal no..... for ToR/EC/EC validity extension/EC amendment for coal mining/coal washery havingha of ML area/Project area and capacity of.....MTPA for Coal Mine Project/Coal Washery located 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 EC/ amendment in EC.

Authorized Signature

Date