



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



Agenda of Expert Appraisal Committee

Meeting ID : IA/CMIN/13596/09/04/2024
Meeting Venue : MoEF&CC
Meeting Type : Video Conference
Agenda Generation Date : 03-04-2024

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 Apr 2024	10:30 AM	17:30 PM

Date of Meeting : 09-04-2024

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 retd.)	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 10th MEETING OF THE EXPERT APPRAISAL COMMITTEE (COAL MINING SECTOR), SCHEDULED TO BE HELD DURING 9TH APRIL, 2024 THROUGH VIRTUAL MODE.

Venue: Through Video Conferencing by MOEF&CC

AGENDA

9 TH APRIL, 2024 (Time:10:30 hrs to 17:30 hrs)		
Item No.	Time (Hrs)	Description
		Opening Remarks by the Chairman.
		Confirmation of the Minutes of the 9 th Meeting of the EAC (Coal Mining Sector) held on 20 th to 21 st March, 2024 through virtual mode.
10.1	10:30 AM	Expansion of Dipka Opencast Coal Mine project from 35 MTPA to 37.5 MTPA (increase of 10% w.r.t 25 MTPA) in an ML area of 1999.293 ha of M/s South Eastern Coal Fields Limited, located at village Dipka, Tahsil Katghora, District Korba, (Chhattisgarh) – For Reconsideration of Environmental Clearance under OM vide no. F. No. IA3 - 22/10/2022-IA.III dated 07.05.2022 [Availing total 50% relaxation of OM dealing with exemption of public hearing under clause 7 (ii) of EIA notification] – reg. [Online proposal number IA/CG/CMIN/420565/2023; File no. J11015/487/2007-IA-II (M)]
	12:00 P.M.	Proposals of Parivesh 2.0

IMPORTANT NOTE

1. The 10th Meeting of the EAC (Coal Mining) will be held through **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, 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/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 amit.vashishtha@nic.in, mohit.saxena@gov.in & ia2.coalmining@gmail.com) latest by **5th April, 2024** 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 1/1A 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 & 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 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., 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.	Dr. Sharad Singh Negi (I.F.S. Retd.) Ex DGF MoEFCC 178, Subhash Road, Dehradun – 248 001, Uttarakhand	Chairman	sharadnegi1957@gmail.com
2.	Shri Inder Pal Singh Matharu, IFS (Retd.) A-12, Haridas Ji Magri, Trident Hotel Road, Udaipur – 313001, Rajasthan	Member	matharu0204@gmail.com
3.	Shri Lalit Kapur Retd. Adviser, MoEFCC A1/337 Janakpuri, New Delhi - 110058	Member	lkapoor2000@yahoo.com
4.	Dr. Umesh Jagannathrao Kahalekar B1-704, Acolade Housing Society, Tukaramnagar, Kharadi, Pune – 411 014	Member	ukahalekar@rediffmail.com
5.	Dr. Santosh Kumar Hampannavar	Member	santoshkumar777@yahoo.com

	Dean (R&D), SDM College of Engineering and Technology, Dharwad, Karnataka – 580 002		
6.	Shri Savalge Chandrasekhar House No. B-309, Express Apartments, Lakdi-ka pul, Khairatabad, Hyderabad – 500 004	Member	savalgec@gmail.com
7.	Shri K. B. Biswas Former Chairman Central Ground Water Board, Camellia Apartment, 313, Natunpally, Ghasiara More, Sonarpur, Kolkata - 700150	Member	biswaskiriti@gmail.com
8.	Prof. Shyam Shanker Singh Guru Ghasidas Central University, Bilaspur, Chhattisgarh	Member	singhss.ggu@gmail.com
9.	Dr. Vinod Agrawal Retd. Professor of Geology 161, Sarva Ritu Vilas, Udaipur – 313 001	Member	vinodudz@yahoo.com
10.	Dr Nazimuddin, Scientist – F Representative of Central Pollution Control Board	Member	Nazim.cpcb@nic.in
11.	Shri Mahi Pal Singh, Chief Engineer (TPPD) Representative of Central Electricity Authority (CEA)	Member	Mpsingh.cea@nic.in
12.	Shri Harmeet Sahaney Representative of Indian Meteorological Department (IMD)	Member	harmeet.sawhney@imd.gov.in
13.	Prof. R M Bhattacharjee Dept. of Mining Engineering IIT (ISM), Dhanbad Jharkhand – 826004 Representative of IIT/ISM Dhanbad	Member	rmbhattacharjee@iitism.ac.in
14.	Shri Amit Vashishtha, Scientist 'E' . MoEF&CC	Member Secretary	amit.vashishtha@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 amit.vashishtha@nic.in and mohit.saxena@gov.in & ia2.coalmining@gmail.com prior to the EAC meeting. Please also provide a copy to the members of the EAC during the EACmeeting.

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
 - d) In case of Lignite mine
 - Kindly mention the detail of the other non –coal mining mineral extraction (if any)
 - The production capacity and mode of mining non –coal mining mineral
 - The status of EC of respective non –coal mining mineral
18. Capacity of the mine applied for Normative capacity peak capacity
19. ML Area
- (i) As per block allotment
 - (ii) As per approved mine plan
20. Date of approval of mine plan, mine closure plan, status & date
21. Date of Board's approval:
22. Date of Ground water clearance and surface water approval.
23. Existing Ground water level in (M)
24. Date of mine closure approval
25. Whether consent to operate obtained:
26. Any river / Nallah flowing near or adjacent to the proposed mine. If yes, please give details.
- (i) Is any diversion proposed
 - (ii) Length of Diversion in Km

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
	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

(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.	Plantation (apart from Green Belt)					
8.	Safety Zone					
9.	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			
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(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:

- (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

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) 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.	Particulars	Distance	Direction
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No.		(Km)	

- b) Mention the Period/ Season of baseline study carried out.
- c) Whether the Laboratory has been accredited by the NABL/ MoEF&CC certification involved in analysis of water, air, noise & soil quality data, also providing its respective lab reports.
- d) Detail of Air quality and surface water quality
 - (i) Air quality: Number of sampling location monitored:

The result indicates that the maximum and minimum values of PM10 are in the range of -- - to -----, whereas the PM2.5 are in the range of ----- to -----µg/m3. The SO2 concentrations within the study area are in the range of ----- to --- and the NOx are in the range of ----- to -----

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

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

- (ii) Surface water quality: Number of sampling location monitored: Name of the source of surface water monitoring with the gist of the observations and results. For e.g The results indicate that by adopting the environmental protection measures The result indicates 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
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. The detail of the ToR is furnished as below: (Not applicable for clause 7(ii) cases)

Date of Application	Consideration	Details	Date of Accord	ToR Validity

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).
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), where the MoEF&CC's vide its OM dated 13th January, 2010 has imposed moratorium on grant of Environment Clearance. (if yes please provide details)
6. 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:

7. 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 FC Act:

8. 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

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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:
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- (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?

9. Previous Approvals (if any) in chronological orders:

Sl No	Details of Letter No.	EC/Expansion EC/Amendment in EC/Validity extension/Transfer of EC	Capacity	Area	Remarks if any
1					
2					
3					

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)

11. Integrated Project: (Yes/No)

24. 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

12. 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

(iv) 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)			

(v) 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					

(vi) 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			

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

(vi) In pit:

(vii) Surface to siding:

(viii) Siding to loading:

(ix) Quantity being transported by Road/Rail/conveyer/ropeway

(x) 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:

(x) Reclaimed external OB dump (in ha):

(xi) internal dump (in ha),

(xii) Green belt (in ha)

(xiii) Density of tree plantation (in no of plants)

(xiv) Void (in ha) at a depth of (in m) which is proposed to be converted into water body

(xv) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside

the lease etc).

(xvi) Agriculture and horticulture

(xvii) Fisheries

(xviii) ECO Tourist/recreation spot

13. 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, Forest Conservation Act, Wildlife Protection Act, CRZ Notification, 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)**

39. 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

14. Baseline Studies:

Period	Additional Study (If any)
AAQ parameters at Locations (min and max)	PM2.5 = To $\mu\text{g}/\text{m}^3$ PM10 = To Mg/m^3 SO2 = to $\mu\text{g}/\text{m}^3$ Nox = To $\mu\text{g}/\text{m}^3$ CO = To $\mu\text{g}/\text{m}^3$	
Incremental GLC Level	PM10 = $\mu\text{g}/\text{m}^3$ (Level atkm in..... Direction) SO2 = $\mu\text{g}/\text{m}^3$ (Level atkm in.....Direction) Nox = $\mu\text{g}/\text{m}^3$ (Level atkm in.....Direction) CO = $\mu\text{g}/\text{m}^3$ (Level atkm in..... Direction)	
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	<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	Source of Water:																					

Requirement	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 validfrom till.

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/ Nallha	Provide details	

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

15. 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	Infrastructure creation for Drinking Water supply				
2	Sanitation				
3	Education				
4	Skill Development				
5	Roads				
6	Cross drains				
7	Electrification including solar power				
8	Solid waste management facilities				
9	Scientific support and awareness to local farmers to increase yield of crop and fodder				
10	Rain water Harvesting				
11	Soil moisture conservation works				

12	Avenue plantation				
13	Plantation in community areas				
14	Infrastructure				
15	Health				
16	Art, Culture & Sports				
17	Livelihood				
	Agricultural programme:				
Total					

16. 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				

17. 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)

18. 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:

19. R&R Plan: The project involves project affected families. R&R of the PAPs will be done asper..... (please provide details)

20. Benefit of Project: Please enumerate the benefit of the project:

21. Project Cost:

- (viii) Costs of the project:
- (ix) Total capital Cost:
- (x) Cost of Production:
- (xi) Sale Price:
- (xii) CSR cost:

- (xiii) R&R Cost:
- (xiv) No of PAFs:
- (xv) Cost for implementing EMP (Capital and Recurring both):

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

23. Compliance of OM dated 11/04.2022 in case of expansion (up to 50%)

Sl.No.	Criteria as Per OM dated 11.04.2022	Reply
1.	The project have gone through the public hearing process, at least once, for its existing EC capacity on which expansion is being sought, except those categories of projects which have been exempted as per para 7 II (i) of EIA Notification 2006 and its amendments.	
2.	There should not change in Category of the project from “B2” to “B1” or 'A' due to proposed modernization or expansion.	
3.	There is no additional land acquisition or forestland diversion involved for the proposed expansion or there is no increase in lease area with regard to mining vis-a.-vis the area mentioned in the EC, based on which public hearing has been held earlier.	
4.	The proposed expansion shall not be more than 50% of production capacity as mentioned in the prior EC, issued on the basis of public hearing held and the same shall be allowed in minimum three phases.	
5.	Predicted Environmental quality parameters arising out of proposed expansion / modernization shall be within the prescribed norms and the same shall be maintained as per Prescribed norms.	
6.	The proposed expansion should not result in reduction in the greenbelt area as stipulated in the earlier EC, or if the existing ratio of greenbelt is more than 33%, after expansion it should not reduce below 33%.	
7.	The project proponent should have satisfactorily complied the conditions stipulated in the existing EC(s) and satisfactorily fulfilled all the commitments made during the earlier public hearing/ consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO/CPCB/SPCB, which should not be more than one year old at the time of submission of application	
8.	Public Consultation shall be undertaken [if applicable as per table below] by obtaining response in writing, as per para 7 III (ii) (b) of EIA Notification 2006, except those categories of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	

9.	Effluent & ambient monitoring including air quality monitoring systems as specified in the existing EC, if stipulated, should have been installed.	
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24. **Consultant:** The Project Proponent engaged (name of consultant) (NABET Accreditation and validity details) for preparation of EIA/EMP Report and for making presentation before EAC.

ADS Information in chronology [Only for ADS cases]

25. 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:

26. 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 cartelhas 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 involve ...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]

M/s. has made an online application vide proposal no. Dated for amendment in Environmental Clearance granted vide Letter Dated The details of amendment sought and justification for the same is as follows:

Specific/General Condition No	Details of Conditions	Amendment Sought	Justification

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.
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), where the MoEF&CC’s vide its OM dated 13thJanuary, 2010 has imposed moratorium on grant of Environment Clearance. (if yes please provide details)
5. 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:

6. 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 FC Act:

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. Previous Approvals (if any) in chronological orders:

Sl No	Details of Letter No.	EC/Expansion EC/Amendment in EC/Validity extension/Transfer of EC	Capacity	Area	Remarks if any
1					
2					
3					

9. 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)

10. Integrated Project: (Yes/No)

25. 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

27. Method of Mining:

(xiv) 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.

(xv) 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).

(xvi) 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%.

(xvii) seams with thickness ranging from ...m – m are workable. Grade of coal is, stripping ratio while gradient is to

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(xix) 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.

(xx) 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

(xxi) Details of Land usage

(vii) 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)			

(viii) 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					

(ix) 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			

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

(xi) In pit:

(xii) Surface to siding:

(xiii) Siding to loading:

(xiv) Quantity being transported by Road/Rail/conveyer/ropeway

(xv) Proposed change in transportation means if any, give details

(xxiii) 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).

(xxiv) 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 reamingno of villages are palnned to be shifted by

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

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

(xix) Reclaimed external OB dump (in ha):

(xx) internal dump (in ha),

(xxi) Green belt (in ha)

(xxii) Density of tree plantation (in no of plants)

(xxiii) Void (in ha) at a depth of (in m) which is proposed to be converted into water body

(xxiv) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).

(xxv) Agriculture and horticulture

(xxvi) Fisheries

(xxvii) ECO Tourist/recreation spot

28. 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, Forest Conservation Act, Wildlfie Protection Act, CRZ Notification, 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)**

40. 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. Baseline Studies: (data if already collected)

Period	Additional Study (If any)					
AAQ parameters at Locations (min and max)	PM2.5 = To $\mu\text{g}/\text{m}^3$ PM10 = To Mg/m^3 SO2 = to $\mu\text{g}/\text{m}^3$ Nox = To $\mu\text{g}/\text{m}^3$ CO = To $\mu\text{g}/\text{m}^3$						
Incremental GLC Level	PM10 = $\mu\text{g}/\text{m}^3$ (Level atkm in..... Direction) SO2 = $\mu\text{g}/\text{m}^3$ (Level atkm in.....Direction) Nox = $\mu\text{g}/\text{m}^3$ (Level atkm in.....Direction) CO = $\mu\text{g}/\text{m}^3$ (Level atkm in..... Direction)						
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" data-bbox="454 1870 1260 2024"> <tr> <td>Road</td> <td>V (Volume in</td> <td>C (Capacity in</td> <td>Existing V/C Ratio</td> <td>LOS</td> </tr> </table>	Road	V (Volume in	C (Capacity in	Existing V/C Ratio	LOS	
Road	V (Volume in	C (Capacity in	Existing V/C Ratio	LOS			

		PCU/hr.)	PCU/hr.)		
	PCU load after proposed project will be.....(Existing) +(Additional) PCU/hr and level of service (LOS) will be:				
	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS
	Note: Capacity as per IRC-..... Guide line for capacity for roads. Conclusion: The level of service will after including additional traffic due to proposed project.				
Flora and fauna	Presence of schedule I fauna and endangered Flora if any. If yes, status of 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 validfrom till.

Water Requirement:

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

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

R&R Issues:

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 28.02.2024 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 amendment in EC.

Authorized Signature
Date

ANNEXURE-VI

Quick User Manual to use Desktop Video Conference

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

- PP/Consultant who want to make presentation during EAC, must use anddownload/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.

- In place of expansion in the CAF form it is mentioned as an amendment and the same needs to be corrected.
- As per the KML file, the mining is visible outside the lease area please verify the KML file and accordingly provide a justification.
- In the cover letter for EC is not uploaded rather cover letter for ToR amendment is uploaded on the portal.
- Enclosure as required under Part B of Form-1 (SI 13-15) needs to be uploaded.
- Please specify the construction stage as the water requirement is mentioned for the same.
- In the operation phase water requirements from other sources are mentioned please check or justify.
- There is no plastic waste generation mentioned in the form please check.
- The baseline data period is not mentioned on the cover page of the EIA Report as per O.M No. J-11013/41/2006-IA.II(I) dated 4/8/2009.
- Some pages of Annexure No.- I and IV are not legible please ensure that the documents uploaded are legible.
- Original test reports of the baseline data along with the certificate of accreditation of the lab need to be provided.
- In case of groundwater intersection/abstraction lease submit the compliance of OM No 9-84/2019-IA.III 23/05/2019 as applicable.