

**AGENDA FOR 16<sup>th</sup> MEETING OF THE EXPERT APPRAISAL COMMITTEE (COAL MINING SECTOR), SCHEDULED TO BE HELD on 22<sup>nd</sup> JULY, 2021 during 10.30 AM – 16.00 PM through VIDEO CONFERENCE.**

**AGENDA**

**Venue: Through Video Conferencing**

**Date: 22<sup>nd</sup> July, 2021 (Time: 10:30 hrs to 16:00 hrs)**

<b>Day - Thursday – 22<sup>nd</sup> July, 2021 (Time: 10:30 hrs to 16:00 hrs)</b>		
<b>Item No.</b>	<b>Time (hrs)</b>	<b>Description</b>
		Opening Remarks by the Chairman.
		Confirmation of the Minutes of the 15 <sup>th</sup> Meeting of the EAC (Coal Mining Sector) held during 6 <sup>th</sup> July, 2021 through Video Conferencing at New Delhi.
<b>Consideration of Proposals</b>		
<b>16.1</b>	10.30 AM	Expansion of Chhal Opencast coal mining from 3.5 MTPA to 6/7.5 MTPA (Normative/Peak) with increase of mine lease area from 641.013 ha to 1342.86 ha by M/s South Eastern Coalfields Limited located in Tehsil Dharamjaigarh, District Raigarh (Chhattisgarh) – <b>For Environment Clearance – reg.</b>  [Online Proposal No. IA/CG/CMIN/11029/2007; File no. J-11015/1000/2007-IA. II(M)]
<b>16.2</b>	11.40 AM	Expansion of Jalagam Vengala Rao Opencast Mine (I&II Amalgamation + Expansion + 26.39 ha area) from 4 / 5 MTPA (Normative/ Peak) to 10 MTPA (Peak) with setting up of coal washery of 4 MTPA capacity in ML Area 1953.46 ha by M/s Singareni Collieries Company Limited at village Kommepalli near Sathupalli town, Sathupallimandal, Khammam District, (Telanagana) - <b>For Reconsideration of Environment Clearance-reg.</b>  [Online Proposal No. IA/TG/CMIN/171196/2019; J-11015/268/2007-IA.II(M)]
<b>16.3</b>	12.40 PM	Cluster 7 (4 UG mines of production capacity of 0.18 MTPA Normative and 0.24 MTPA (Peak) in a combined ML area of 2313 ha of M/s Eastern Coalfield Limited located in Raniganj Coalfields, District Burdwan (West Bengal) – <b>For Amendment in Environment Clearance – reg.</b>  Online Proposal No. IA/WB/CMIN/117887/2019; File No. J-11015/386/2010-IA (M)
	13.30	Lunch Break
<b>16.4</b>	14.30 PM	Expansion of Jarangdih Opencast Coal Mine from 0.88 MTPA to 1.5 MTPA with already existing UG (0.28 MTPA in mine lease area of 313.50 ha) in lease area of area of 223.15 ha (Expansion from 180.01Ha to 223.15 Ha) by

		M/s Central Coalfields Limited located in village Jarangdih & Borea, Tehsil Bermo, District Bokaro, (Jharkhand) - <b>For Terms of Reference – reg.</b>  [Online Proposal No. IA/JH/CMIN/213715/2021; File No. J-11015/502/2008-IA.II(M)]
<b>16.5</b>	15.00 PM	Expansion of Ashok Opencast Coal Mine from 14 MTPA to 20 MTPA in ML area of 1891.05 ha (Expansion of ML area from 793.14 ha to 1891.05 ha) by M/s Central Coalfields Limited located in villages Saraiya, Lukaiya, Jhulundia, Henjda, Torhad, Kutki, Koilara, Thethangi, Chirlaunga, Bali, Benti, Bijain, Sidalu, Kutitikhurd alias Thena, Dembuain, Tehsil Tandwa, District Chatra (Jharkhand) - <b>For Terms of Reference – reg</b>  [Online Proposal No. IA/JH/CMIN/213568/2021; File No. J-11015/610/2007-I.A II (M)]
<b>16.6</b>	15.30 PM	Patratu A/B/C Underground coal mining with production capacity of 5.0 MTPA (Peak Capacity – 7.51 MTPA) in mine Lease area of 1912.53 Ha by M/s Central Coalfields Limited at villages Sankul, Tokisud, Terpa, Daridih, Palu, Rochap, Kirigara, Binja Barka-Sayal, districts Ramgarh & Ranchi, Jharkhand– <b>For Terms of Reference – reg.</b>  [Online Proposal No. IA/JH/CMIN/216602/2021; File No. IA-J-11015/50/2021-IA-II(M)]
<b>16.7</b>	16.00	<b>Any other item with the permission of Chair.</b>

### **IMPORTANT NOTE**

1. 16<sup>th</sup> Meeting of EAC (Coal Mining) will be held through Video Conferencing (VC).
2. Project proponent (s) or his/her authorized representative (preferably not more than two representatives) are requested to participate and present their proposal (s), 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 Co-ordinator 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. For Project Proponents shall send the following information (electronically/in soft only) on the proposed project or activity by e-mail, addressed to Chairman and Members of EAC (Coal Mining):
  - a. Project or Activity to be appraised for Terms of Reference (ToR) (including amendment to ToR) for preparation of EIA/ EMP Report
    - i. Basic Information – Annexure II
    - ii. Application (Form 1 or as applicable);
    - iii. Prefeasibility Report for project / activity;
    - iv. Project Brief (in MS Word format i.e. ‘.doc’ or ‘.docx’ file only) provided in Annexure-III; and
    - v. All associated documents/ Annexures, etc.
  - b. For Project or Activity to be appraised for grant of Environmental Clearance (including, expansion, modernisation, amendment to EC, etc.):
    - i. Basic Information – Annexure II
    - ii. Application Form; as applicable
    - iii. EIA Report and Environment Management Plan (EMP)
    - iv. Form 1/1A and Conceptual Plan for project or activity under item 8(a) of Schedule to EIA Notification, 2006;
    - v. Project brief (in MS Word format i.e. ‘.doc’ or ‘.docx’ file only) provided in Annexure-III
    - vi. For expansion Projects, Certified Compliance report w.r.t. existing EC; as received from concerned Regional Office (RO) of the Ministry or Zonal office of CPCB or concerned SPCBs or PCCs along with the Action Taken Note on observations of the concerned inspecting authorities;
    - vii. A copy of work order issued by the project proponent in favour of QCI/NABET accredited consultant appointed for carrying out EIA study and EMP preparation for this project;
    - viii. All other associated documents/ Annexures, etc.
2. Kindly indicate the Agenda item no. in the e-mail and also on the first page of the documents circulated for the meeting. Without this information, EAC may not consider the proposal for the meeting.
3. In addition to the above information, an affidavit is required to be submitted by the Project Proponent to the Ministry to the effect, namely:-
  - a. That there is no construction done at the site or the construction done without any deviation as per previous EC obtained (Ref.)
  - b. Affidavit should also submit that there is no litigation on the project either at NGT or any other court of Law.
  - c. The land has been purchased by ..... / allotted by.....Development authority. The land is in our possession and there is no R&R issue.
  - d. There is no difference in the documents submitted i.e., Form 1, 1A, Conceptual Plan, Form-2, EIA/EMP report and presentation being made to the EAC.
  - e. Reason for submitting the project at MoEFCC.
4. PP shall also send signed hard copies of the above information/ documents by speed post to the Ministry (Member Secretary EAC (Coal Mining), Ministry of Environment, Forest and Climate Change, 2<sup>nd</sup> Floor, Vayu Wing, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi- 110003).

- The electronic copies of the above information /documents for the Ministry shall be sent by e-mail addressed to [lk.bokolia@nic.in](mailto:lk.bokolia@nic.in), [munna.shah@gov.in](mailto:munna.shah@gov.in) prior to the EAC meeting.
5. All the documents including presentation material being submitted to the EAC in soft/ electronic form and to the Ministry in soft and hard forms shall be consistent, legible and printed on both sides on ordinary paper.
  6. 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.
  7. It may be ensured that EAC (Coal Mining) and the Ministry receive the requisite soft/electronic copy of documents pertaining to the projects latest by **19<sup>th</sup> July, 2021**, positively. In case the EAC and Ministry officials do not receive documents by e-mail within the stipulated time period, the EAC may not consider the project.
  8. As per the compliance to the recommendations of CAG vide OM No. J-11013/71/2016-IA.I (M) dated 25<sup>th</sup> October, 2017, the following shall be ensured by the proponent:
    - a. Break-up of the capital and recurring cost of the EMPs along with the timeline for incurring the capital cost.
    - b. 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.
    - c. An undertaking as part of the EIA report from Project proponent, owning the contents (information and data) of the EIA report with the declaration about the contents of the EIA report pertaining to a project have not been copied from other EIA reports.
  9. As per amendment notification No. 648(E) dated 3<sup>rd</sup> March, 2016, the Environmental consultant organizations which are accredited for a particular sector and the category of project for that sector with the Quality Council of India (QCI) or National Accreditation Board for Education and Training (NABET) or any other agency as may be notified by the Ministry of Environment, Forest and Climate Change from time to time shall be allowed to prepare the EIA Report and EMP of a project and appear before the concerned EAC. The EIA coordinator/ consultant involved in preparation of EIA Report would need to include a certificate in this regard in the EIA report and EMP prepared by them and details for data provided by other Organization(s)/ Laboratories including their status of approvals etc.
  10. In case of expansion of the project or activity; Project Proponent will not be heard where Certified Compliance Report in respect of earlier EC and the Action Taken Note thereon are not available.
  11. The proponent shall avoid delivery of documents by hand and seeking meeting with the Chairman/Members in this regard.

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

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

**Composition of Expert Appraisal Committee (Coal Mining)**

<b>S. No</b>	<b>Name and Organization</b>	<b>Role</b>
1.	Shri Gururaj P. Kundargi, Ex.CMD-MOIL Plot No.32, MOIL Vatika, Chicholi Road, Fetri, Nagpur-441501. E-mail: gpkundargi@gmail.com	Chairman (Non-official)
2.	Shri Suramya Dolarray Vora, Retd. IFS Executive Director -Gujarat Science City Plot No.725/B, Sector- 8C, Gandhinagar, Gujarat-382007. E-mail: suramya.vora@gmail.com	Member (Non-official)
3.	Dr. Narmada Prasad Shukla Former Chairman-Madhya Pradesh Pollution Control Board, H-44-B, Apsara Complex, Indrapuri, A-Sector Bhopal- 462021. E-mail: shuklanp55@gmail.com	Member (Non-official)
4.	Dr. Santosh kumar Hampannavar Professor, School of Electrical and Electronics Engineering, REVA University, Flat No.302, Faculty Quarters, Kattigenahalli, Yelahanka, Bangalore, India. E-mail: santoshkumar777@yahoo.com	Member (Non-official)
5.	Dr.Umesh JagannathraoKahalekar Professor-Civil Engineering, Govt. College of Engineering-Aurangabad, 39, Mauli, Samarth Hsg. Soc., Near Jawahar Colony Aurangabad, (Maharashtra) – 431 005. E-mail:ukahalekar@rediffmail.com	Member (Non-official)
6.	Shri K. B. Biswas Former Chairman-Central Ground Water Board, Camellia Apartment, 313, Natunpally, Sonarpur, Kolkata-700150. E-mail: biswaskiriti@gmail.com	Member (Non-official)
7.	Dr. Nandini.N Professor, Dept. of Env. Science, Bangalore University, #7, Reader Quarters, Jnanabharathi Campus, Bengaluru-560 056. E-mail: sai.nandinin@gmail.com	Member (Non-official)
8.	Dr. Unmesh Patnaik Associate Professor, Centre for Climate Change & Sustainability Studies, Tata Institute of Social Sciences (TISS), Deonar Farm Road, Mumbai – 400088. E-mail: unmesh.patnaik@tiss.ed	Member (Non-official)
9.	Shri Prasant Kumar Mohapatra Former Director (Technical)- NTPC Ltd. Flat No.94B, GayanKhand-IV, Indirapuram, Ghaziabad – 201014. E-mail: pkmsipat11@gmail.com	Member (Non-official)

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

### Basic Information

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

#### I. PROJECT DETAILS

1. Name of the project:
2. Name of the Company, Address Tele No. & E-mail :
3. Latitude and Longitude of the project
4. If a Joint venture, the names & addresses of the JV partners including their share
5. Details of coal linkage:
6. Whether the project is in the Critically Polluted Area (CPA):
7. **Cost of the project :**
8. **Employment generated/to be generated:**
9. **Benefits of the project:**
10. Whether new or expansion project .If expansion:
  - i from ..... MT to ..... MT
  - ii What is the % of expansion
11. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.
12. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF
13. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC)
14. 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)
15. If the project was considered in EAC, Pl. give dates of the meeting (s).
16. Type of Mine: (Open cast/Underground/mixed):
17. Capacity of the mine applied for
18. ML Area
  - i. As per block allotment
  - ii. As per approved mine plan
19. Date of approval of mine plan, mine closure plan, status & date
20. Date of Board's approval:
21. Date of Ground water clearance:
22. Date of mine closure approval
23. Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details.
24. Geological Reserve:

#### II. TECHNICAL DETAILS

- 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:

25. Details of Seams:

- i. No of seams
- ii. Thickness of seams to be worked on
- iii. Grade of coal
- iv. Stripping ratio
- v. Category of gaseousness
- vi. Average gradient
- vii. Maximum thickness of seams

26. Method of mining:

27. Life of mine

28. Whether ambient air quality seasonal data has been documented. If so, from which season to which season and whether the results are within the prescribed limits.

29. Whether the certificate of compliance of earlier EC from MoEF Regional Office has been obtained, if the proposal is for expansion.

30. Details of O.B.

- i. External OB dumps
- ii. No of OB dumps
- iii. Area
- iv. Height
- v. Quantity (in MCm)
- vi. Year of back filling

31. Details of Internal Dumps

- i. Number of internal dumps
- ii. Area
- iii. Height
- iv. Quantity

32. Details of final Mine Voids

Area

Depth

33. Details of Quarry:

Total quarry area :

Backfilled quarry area of .....ha shall be reclaimed with plantation.

A void of ..... ha at a depth of ..... m which is proposed to be converted into a water body.

34. Details of Land usage

**LANDUSE DETAILS**

S.N.	LANDUSE	Within ML Area (ha)	Outside ML Area (ha)	TOTAL
1.	Agricultural land			
2.	Forest land			
3.	Wasteland			
4.	Grazing land			
5.	Surface water bodies			



6.	Settlements			
7.	Others (specify)			
	<b>TOTAL</b>			

Pre-mining:

Post- Mining:

S.N.	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					
4.	Built up area					
5.	Green Belt					
6.	Undisturbed Area					
	<b>TOTAL</b>					

Core area

Details of Forest issues

- i. Total forest area involved (in ha) for mining
- ii. Status of Forest Clearance
- iii. Is there any National Park, eco-sensitive Zones, within 10 km radius? If so, give the details.
- iv. If the project is within 10 KM of radius of the wild life sanctuary, whether the Wild Life Management Plan has been prepared and approved. If so, pl give the status, date of approval with the budgetary provision.
- 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 (in ha)	Stage-1 FC issued vide letter no.& date	Validity period of FC

- 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 and pl. indicate the status.

35. Cost 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) Environmental Management cost:

36. Details of transportation of coal

- i. In pit:
  - ii. Surface to siding:
  - iii. Siding at loading:
37. Details of reclamation:
- a. Total Afforestation plan shall be implemented covering 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).
38. Detailed Status of Progressive Mining Closure Plan **(For expansion projects only)**
- a) Implementation of various activities as per approved progressive mine closure plan ( in Bar chart)
  - b) Any deviation from the approved Progressive Mine Closure Plan.
  - c) Total area excavated (in ha.)
  - d) Total area backfilled after excavation (in ha.)
  - e) Total area reclaimed (in ha.)

**III. LEGAL ISSUES/VIOLATION**

- 39. Pl give details , if the proposal is under any investigation
- 40. Any court cases pending. If so, please provide a list with details as annexure.
- 41. Any violation cases pending. If so, please provide a list with details as annexure
- 42. Give details of actual coal production vis-à-vis sanctioned capacity since the inception of mine in following format :

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

**IV. PUBLIC HEARING ISSUES**

- 43. Date and Place of public hearing:
- 44. Issues raised during Public Hearing and assurance given alongwith the financial provisions, if any, by the project proponent. (Please attach as an annexure in a tabular form.)

**V. Consultant:**

- 45. Name of the consultant who prepared the EIA/EMP report
- 46. Whether the consultant has been accredited by the QCI and NABL and whether it is accredited with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) as per the MoEF OM dated 2nd December, 2009

**VI. IMG of Ministry of Coal :**

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

Signature of Proponent

Date

**ANNEXURE-III**

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

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

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

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

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

<b>Pre-mining land use details</b>		<b>(Area in Ha)</b>		
<b>S. No.</b>	<b>Land Use</b>	<b>Within ML Area</b>	<b>Outside ML Area</b>	<b>Total</b>
1	Agricultural Land			
2	Forest Land			
3	Wasteland			
4	Grazing Land			
5	Surface Water Bodies			
6	Settlements			
7	Others (Specify)			

	Old Excavation Area (East Quarry)			
	Old Excavation Area (West Quarry)			
	Old OB Dumps			
	Roads & Mine Infrastructure			
	R & R Colony			
	Staff Colony			
	Green Belt			
	Balance Area			
	Total Project Area =			

### Post Mining

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

(xi) Total geological reserve reported in the mine lease area is ... MT with .....MT mineable reserve. Out of total mineable reserve of .....MT, .... MT are available for extraction. Percent of extraction is ....%.

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

(xiii) Method of mining operations envisaged by ....method

(xiv) Life of mine is ...years.

(xv) The project has ... external OB dumps in an area of ..... ha with .....m height and ....Mm<sup>3</sup> of OB. ... internal OB in an area of .....ha with .....Mm<sup>3</sup> of OB is envisaged in the project.

(xvi) Total quarry area is .....ha out of which backfilling will be done in .....ha while final mine void will be created in an area of .....ha with a depth of .....m. Backfilled quarry area of .....ha shall be reclaimed with plantation. Final mine void will be converted .....

- (xvii) Transportation of coal has been proposed by ..... in mine pit head, from surface to siding by .....and at sidings by .....
- (xviii) Reclamation Plan in an area of .....ha, comprising of ..... ha of external dump, .....ha of internal dump and ..... ha of green belt. In addition to this, an area of .....ha, included in the safety zone/rationalization area, has also been proposed for green belt development.
- (xix) .....ha of forest land has been reported to be involved in the project. Approval under the Forest (Conservation) Act, 1980 for diversion of .....ha of forest land for non-forestry purposes has been obtained vide MoEF&CC letter No. ....dated....
- (xx) Please mention any National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones fall within 10 km boundary of the project.
- (xxi) The ground water level has been reported to be varying between .....m to .... m during pre-monsoon and between .... m to ..... m during post-monsoon. Total water requirement for the project is .....KLD.
- (xxii) Application for obtaining the approval of the Central Ground Water Authority for ..... has been submitted on 29<sup>th</sup> December, 2017.
- (xxiii) Public hearing for the project of ....capacity in an area of .....ha was conducted on .....at..... under the Chairmanship of.....Major issues raised in the public hearing include.....Appropriate action to address the issues raised in the Public Hearing have already been taken/proposed to be taken are as under:
- (xxiv)
- (xxv) Consent to Operate for the existing capacity was obtained from the State PCB on .....and is valid till.....
- (xxvi) ....River/nalla is flowing ..... boundary of lease. The nallah will be diverted in consultation with the Water Resource Department of the State Government.
- (xxvii) Regular monitoring of ambient air quality is being carried out on fortnightly basis. The documented report is submitted to ....and also to MoEF&CC along with half yearly EC compliance report. In general, the results of ambient air quality monitoring data were found within prescribed limits except few aberrations which can be attributed to the specific local conditions during the day of sampling.
- (xxviii)No court cases, violation cases are pending against the project of the PP.
- (xxix) The project does not involve violation of the EIA Notification, 2006 and amendment issued thereunder. The coal production from the mine was started from the year .....onwards. No excess production of coal from the sanctioned capacity has been realized since the commencement of mining operations. The coal production, realized from the project, from 1993-94 onwards, is as under:
- (xxx) The project involves .....project affected families. R&R of the PAPs will be done as per.....
- (xxxi) Total cost of the project is Rs. ....lakhs. Cost of production is Rs. ..../- per tonne., CSR cost is Rs. .... per tonne, R&R cost is Rs.....crores. Environment Management Cost is Rs. .... crores.
- (xxxii) Consent to operate (CTO) was obtained from the State Pollution Control Board on .....and is valid till.....
- (xxxiii)Past Production details comparison with existing EC

**Quick User Manual to use Desktop Videoconference**

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

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

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