

Minutes of 34th meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 4th June, 2020 through video conferencing

Date: 4th June, 2020

34.1. Opening remarks of the Chairman

34.2. Confirmation of the minutes of the 33rd meeting held on **18th -19th May, 2020** at Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

34.3 Proposal for consideration

34.3.1 Chasnalla Colliery including Washery of 1.2 MTPA normative/1.5 MTPA peak along with expansion of Coal Washery of 4.0 MTPA capacity in mine lease area of 230.88ha against total original 348.18 ha of M/s Steel Authority of India Ltd located in village Chasnalla& Het Kandra, Tehsil Jharia-cum-Jorapokhar-cum-Sindri, District Dhanbad, Jharkhand – Further consideration for Terms of Reference [F. No. J-11015/26/2019-IA. II(M)]

Details submitted by the Project Proponent

- 1.** The project involves manufacturing/extraction of Coal of production capacity (1.2 Nominal/ 1.5 MTPA peak including expansion of existing washery up 4.0MTPA) by M/s Steel Authority of India Ltd in an area of 230.88 hectare (Original 348.18 Ha) at Chasnalla Colliery, village Chasnalla& Het Kandra, Taluka/Mandal Jharia-cum –Jorapokhar - cum- Sindri, District Dhanbad (Jharkhand).
- 2.** The said project/activity is covered under category A of item Coal Mining of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee or the State Expert Appraisal Committee in different States/UTs.
- 3.** Whether project attracts the General Condition specified in the Schedule of EIA Notification/ International boundary and distance from the project]: NO
- 4.** River/ water body Damodar is flowing at a distance of about 500 meter in East direction.
- 5.** Details of Forest issues, if any: No forest area
- 6.** Details of Consent to Operate:
 - (i) Whether Consent to operate obtained (Yes/No)? If, Yes
 - (ii) Date of issue: 28.03.2017 (For Washery 01.10.2019)
 - (iii) Valid upto: 31.12.2017 (Applied for renewal) (For Washery 30.09.2020)
 - (iv) Submit Copies of all Consent to operate obtained since inception: Attached as Annexure – A1 Copy of CTO Chasnalla Colliery and Annexure – A1A Current CTO of Chasnalla Washery.
- 7.** Mine Capacity in ROM (Run of Mine): Proposed 1.2 MTPA Nominal/ 1.5 MTPA Peak

8. Whether the proposal is mining of Minor minerals project (Yes/No)? No
9. Whether the proposal is mining of Major minerals project (Yes/No)? Yes
10. No. of Mineral to be Mined with name: 1. Coal
11. Details of mine lease: -
- (i) Date of entering into original lease deed: 27.04.1938
 - (ii) Date of expiry of original lease deed: 26.04.2688
 - (iii) Date of 1st lease renewal: Application for revalidation submitted (Pending with state Govt. for want of EC)
12. Details of DGMS permission, if any: Permission of underground working obtained.
13. Details of past production of mine since its inception duly in tabular form: The year wise coal production from Chasnalla Colliery since 1993-94 onwards, is as under:

FY	Production (Fig. In T)	FY	Production (Fig. In T)
1971-72	24118	1995-96	430360
1972-73	55800	1996-97	383220
1973-74	183794	1997-98	364948
1974-75	309071	1998-99	384962
1975-76	239781	1999-00	360536
1976-77	229004	2000-01	328325
1977-78	232278	2001-02	412945
1978-79	188607	2002-03	413665
1979-80	473160	2003-04	324535
1980-81	376224	2004-05	362693
1981-82	405396	2005-06	325432
1982-83	428007	2006-07	289988
1983-84	345734	2007-08	664817
1984-85	266935	2008-09	630962
1985-86	245108	2009-10	822402
1986-87	276797	2010-11	770941
1987-88	188756	2011-12	383338
1988-89	305313	2012-13	527487
1989-90	347956	2013-14	484568
1990-91	303152	2014-15	329437
1991-92	353135	2015-16	497432
1992-93	363239	2016-17	480842

1993-94	318800	2017-18	323037
1994-95	382362	2018-19	353835

14. Details of Violation (*Brief description of the project activity that leads to violation of EIA Notification,2006*):

Chasnalla Mine is old & operational prior to nationalization but in year 2017, DMO, Dhanbad has issued a letter vide ref no. 1897/M dated 18.11.2017 for excess production during 2000-01 to 2016-17, benchmarking production year 1993-94.

15. The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:

- (i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: 03.02.2015, 14.10.2019
- (ii) Date of appraisal of EAC/SEAC meetings so far: 10.04.2015, 15.11.2019
- (iii) Observations/recommendations of the EAC/SEAC in **each meeting**: TOR issued on 29.05.2015 but validity lapsed due to delay of mine boundary certification by CMPDIL and EAC on 15.11.2019, after deliberations observed that project involved violation of EIA Notification, 2006 of the Ministry. The Committee also noted that since PP has earlier applied in the Ministry and the proposal may be forwarded to the Violation Sector for appraisal under the provisions of the Violation notification dated 14.03.2017.
- (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification,2006: DMO, Dhanbad has issued a letter vide ref no. 1897/M dated 18.11.2017 for excess production during 2000-01 to 2016-17, benchmarking production year 1993-94.
- (v) Complaint case filed by the State Government/State Pollution Control Board: NIL
- (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: EAC on 15.11.2019, after deliberations observed that project involved violation of EIA Notification, 2006 of the Ministry. The Committee also noted that since PP has earlier applied in the Ministry and the proposal may be forwarded to the Violation Sector for appraisal under the provisions of the Violation notification dated 14.03.2017.
- (vii) Legal interventions, if any: The case is under consideration of Revisional Authority, Ministry of Coal (The Applicant has prayed for quashing and setting aside the impugned demand notices. The applicant has also filed separate applications praying interim relief of staying the impugned demand notices during the pendency of the Revision Applications).

Observation and recommendation of the EAC in the earlier meetings:

EAC in the 31st meeting, based on the information submitted by the PP and as presented

observed, that earlier, the TOR to the project was granted vide MoEF&CC letter No. J-11015/67/2015-IA-II(M) dated 29.05.2015 for normative 1.2 MTPA/1.5MTPA Peak capacity including expansion of Washery to 4.0 MTPA in proposed 230.88 ha lease area of original mine lease area (348.18 ha). However, the validity of ToR has expired. Latest Consent to Operate (CTO) for the existing capacity was issued by JSPCB vide JSPCB/HO/RNC/CTO-1039297/2017/297 dated 28.03.2017. Application for extension of CTO was submitted on 07.12.2017 and it is pending with JSPCB for want of Environment Clearance.

EAC noted that the instant proposal does not have Environmental Clearance for coal mine and Washery, further PP had exceeded the production of coal in the years 1994-95 to 2005-06 and then from 2007-08 onwards to 2018-19 beyond the threshold limit of 1993-94 base year production (318800 Metric Tonnes), hence instant proposal is under violation since 1994-95. EAC after detailed deliberation **deferred** the proposal for want of following information:

- i. Copy of letter of intent for mining lease from concerned State Government
- ii. Clarification regarding mining lease area and whether Washery area (16.5 Ha) is included in 243.50 Ha.
- iii. Revised from 1 application and pre-feasibility report to be submitted as suggested by EAC.
- iv. Details of production through U/G Mining and Opencast Mining (Coal + OB excavation details))
- v. Justification of proposed Washery capacity along with detailed technology & coal Washery.
- vi. Land requirement plan showing U/G workings + Opencast workings and coal Washery details
- vii. Copy of earlier ToR letter issued by MOEF&CC.
- viii. Copy of earlier EAC Minutes.
- ix. Existing and Proposed plantation details with photographs to be submitted
- x. Life of mine with calendar programme of the production details from U/G and Opencast mining operations.
- xi. Past Production details as submitted with the annexures and available in records are variable, submit the correct figures

Project Proponent submitted the above information vide letter dated 30.03.2020. Accordingly, proposal was considered in 32nd EAC meeting (present meeting). Project proponent along with the consultant made the detailed presentation before the EAC on the additional information as sought in the last meeting (31st).

EAC in the 32nd meeting after detailed presentation observed that PP has submitted the revised form 1 and PFR, past production details along with the other information as sought in last meeting. EAC noted that the total lease hold area of Chasnalla is 348.18 Ha out of which TOR/EC application is submitted for an area of 230.88 Ha which includes Deep Mine, Upper Seam, West Quarry and the existing and & new Washery area. Further, out of 348.18 ha, 117.30 ha included in the Tasra Opencast Project for which EC has been granted and for the remaining 230.88 ha, present application is submitted.

EAC deliberated on the information as presented and submitted by the PP and noted that in present application Chasnalla Coal Complex comprises of two existing U/g mines (Deep Mine & Upper Seam) and a Coal Washery. However, in the revised PFR, mining from 230.88 Ha has been proposed covering Deep Mine, Upper Seam, part of West Quarry. Further, West Quarry is an open cast mine. Because of ambiguity in submission, it is not clear whether method of mining is purely underground or also involves open cast mining.

Also PP in the revised Form did not mention total excavation details including Over Burden (OB) in Tonnes instead PP in the annexure mentioned OB in Cum. EAC also observed that PP did not submit the relevant document for mine lease renewal. EAC also deliberated on the mining lease letter dated 25.12.2014 issued by the District mining office, Dhanbad. In the said letter additional information has been sought for renewal of mining lease of 1213 bigha (566 bigha + 647 bigha). EAC noted that 1213 bigha approximately corresponds to 161 Ha, however present EC application is for mining over 230.88 Ha.

In view of above discrepancies, EAC in 32nd meeting after detailed deliberation **deferred** the project for want of following information:

1. Copy of letter of intent latest for mining lease from concerned State Government for 230.88 Ha and status of earlier points raised by District Mining officer.
2. Clarification regarding, present application is for Underground mining only or involves Open cast mining as well, shall be submitted past production comprising of production from UG(T), OCM(T), OB (CUM) having values in tones shall be submitted
3. Status of collection of BLD
4. Justification for Washery capacity and the different sources with their location details.
5. Imported coal transportation details along with connectivity to Washery
6. Any court case pending against the project with details.

Above information as sought by the EAC in the 32nd meeting was submitted vide letter dated 29.05.2020, accordingly proposal is discussed in the present meeting (34th) held on 04.06.2020.

Observation and recommendation of the EAC in the present meeting (34th):

Project proponent along with the consultant made the detailed presentation on the additional information as sought in the 32nd EAC meeting held on 22.04.2020. EAC observed that PP has submitted the mine lease document from the District Mining Officer, Dhanbad, Govt. of Jharkhand. EAC further observed that Chasnalla colliery both Opencast and underground mines were in operation up to 22.05.2019. Thereafter, Opencast mine has been closed as it had reached its limiting depth and backfilling started. PP also apprised EAC that Chasnalla Mine is developed and operational underground mine, no OB is generated, however during gallery drivage in underground if stone is encountered, the debris/stone generated is mostly utilized for side wall packing in underground support system. EAC after detailed deliberations on the information presented and as submitted **deferred** the project for want of following information:

1. Letter of intent for the 230.88 Ha of mining lease from the Directorate Mines and Geology department from the concerned State Govt.
2. Mine closure plan for Open Cast Mine (OCM) as per the mine plan along with the clarification whether any dumping of over burden from the OCM is carried or will be

carried out in the 230.88 ha of mining lease. Whether this proposal is Underground cum Opencast project.

3. Status of Tasra opencast project EC (117.30 Ha)
4. Detailed land use plan of 230.88 ha of mining lease area showing all the surface features.
5. Revised Form 1 and PFR, if any activity of Opencast mining including dumping of overburden in void areas carried out in 230.88 ha.
6. Hard copies of all the documents related to earlier meeting and present meeting should be submitted to the Ministry.
7. . Source water for Coal Washery and NOC from CGWA/Concerned State Government department.
8. Sources of coal with location/lead to the Washery.

34.3.2 Surda Copper Mine for production of 0.9 million TPA (ROM) of Copper Ore by M/s Hindustan Copper Ltd., located at village (s) - Surda, Sohada, Pathargora, Benashole villages and Forest Block No. 1098, Tehsil - Ghatsila, District - East Singhbhum, Jharkhand (MLA: 388.68 ha)– Further consideration for Environmental Clearance. [IA/JH/MIN/145023/2020 dated 27.02.2020] [F.No. 11015/80/2012- IA. II (M)]

The proposal of M/s Hindustan Copper limited is for production of 0.9 Million Tonne per annum (MTPA) of Copper Ore from – Surda Mine- (ML Area 388.68 ha, located at Survey Nos.100,101,102, 160 &1098, at Villages Surda, Sohada, Benasole, Pathargora, Forest Block, Tehsil Mosaboni, District East Singhbhum, State Jharkhand. The mining lease is located on Survey of India Topo-sheet no. **73 J/6** bounded between latitudes 22°32’42” N and 22°34’19” N and longitudes 86°25’41” E and 86°26’42” E.

The said project/activity is covered under Category 'A' [Sl.no. 1(a) of Schedule: “List of project or activities requiring prior environmental clearance”] of MoEF&CC notification dated 14th September, 2006 in connection with Environment (Protection) Rules 1986.

Highest production achieved is 400008 tonnes in 1989-90 and accordingly CTO of 4 Lakh Tonne per year was issued by JSPCB. Now 2018-19 onwards CTO for 317238 tonnes has been issued by JSPCB considering production for the year 1993-94 as base year.

Details submitted by the Project Proponent:

1. Number of minerals: Whether mineral is major or minor. Status of same mineral before 2006 (major or minor): Major Mineral. Status of mineral before 2006 was also major mineral

2. Letter of Intent (LoI) / Mining Lease Details:

Letter from the Deputy Director of Mines and Geology, vide order no.517 (M) dated 18.03.2015 and the lease deed was executed for 5 years w.e.f 15.07.2017 and is valid till 31.03.2020.

- Surda is part of Mosaboni Mining Lease. Mosaboni Mining Lease granted from 16.06.1939 to 15.06.1984. (6923 Ha).
- 1st renewal from 16.06.1984 to 15.06.2004.
- 2430 Ha was surrendered on 15.08.1994.
- Remaining areas was 4493.0 Ha.
- 2nd renewal granted from 16.06.2004 to 15.06.2014 for 388.68 Ha. 4104.32 Ha was surrendered vide Gazette notification dated 23.06.2004.

- 3rd Lease Renewal application submitted and Form D obtained on 18.03.2013 for 388.68 Ha.
 - Matter further taken up with GOJ in view of the MMDR Amendment Ordinance 2015 and letters from Jt. Secretary, Ministry of Mines and Under Secretary, GOI for renewal of the lease till 31.03.2020.
 - Lease extended till 31.03.2020 vide letter no. 517/M dated 18.03.2015
 - Lease deed was executed on 15.07.2017
3. Whether the project is in the Critically Polluted Area (CPA): *No*
 4. Cost of the project: Rs. 203 Crores
 5. Employment generated/to be generated: 1600
 6. Benefits of the project:
 - *Utilisation of India's scarce copper ore resources reducing imports.*
 - *Under expansion modern machinery with lower specific fuel consumption will be deployed*
 - *HCL will continue plantation of native tree species*
 - *HCL will construct amenities for local people*
 - *HCL will contribute towards skill development of local villagers.*
 - *Continued employment for ~1500 people in a predominantly tribal area.*
 - *Indirect employment for ~4000 people*
 7. Whether expansion project. If expansion: Applying for EC for First Time
 8. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006. *No*
 9. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC): J-11015/80/2012-IA. II(M) dated 21-02-2020
 10. 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)
Applying for EC for First Time
 11. If the project was considered in EAC, Pl. give dates of the meeting(s).:
19-20, Sept., 2016 & 04-02-2020 (for violation ToR)
 12. Type of Mine: (Opencast/Underground/mixed): *Underground*
 13. Capacity of the mine applied for: *900,000 tonnes per year of copper ore*
 14. ML Area
 - (i) As per block allotment: *388.68 ha*
 - (ii) As per approved mine plan: *388.68 ha*
 15. Date of approval of mine plan, mine closure plan, status & date: *Mining plan for a lease area of 388.68 ha has been approved by the Regional Controller of Mines, Indian Bureau of Mines, Ranchi vide letter No. RAN/ESB/Cu/MP-21 12018-19 dated 16.04.2019 which is*

valid till 31.03.2020

16. Date of Board's approval: ML. *Granted in 1939. Project in operation since 1956. Expansion project for Surda Approved by HCL's Board on 14-09-2010.*
17. Date of Ground water clearance and surface water approval.: *13-07-2013 from CGWA*
18. Existing Ground water level in (M): *12 – 16 m below ground level*
19. Date of mine closure approval. *PCMP approved along with Mining Plan on 16.04.2019*
20. Any river / Nallah flowing near or adjacent to the proposed mine. If yes, please give details.

Surda Mine Lease is drained by mainly by two streams. The northern and central parts are drained by seasonal drainage channels originating from springs in ML which form the GharadubaNala. The southern part of the ML is drained by the Surda Nala. These perennial streams flow towards the south-east / east to meet each other about 2 km east of the lease's south-eastern corner before draining into the Subarnarekha River ~0.5 km further east. Another perennial stream, the KankuramNala, flows from the south-west towards the north-east just beyond the lease's northern boundary to join the Subarnarekha River about 2.5 km north-north-east of Surda Mine Lease. A small area in the north-western corner of the lease drains into the Kankuramnala.

21. Details of mine lease: -

1. Date of entering into original leasedeed. <i>16-6-1939</i>	1. Date of 1 st lease Renewal: <i>16-6-1984</i>	1. Date of 2 nd lease Renewal: <i>16-6-2004</i>	1. Date of 3 rd lease renewal
2. Date of expiry of original leasedeed: <i>15-6-1984</i>	2. Whether renewal or deemed renewal: <i>Renewal</i>	2. Whether renewal or deemed renewal: <i>Renewal</i>	2.....
	3. Date of expiry of 1 st lease renewal/deemed renewal: <i>15-6-2004</i>	3. Date of expiry of 2 nd lease renewal/ Deemed renewal: <i>31-03-2020</i>	3.....
			[ALSO FOR SUBSEQUENT RENEWALS.....]

22. Geological Reserve:

- (i) Total geological reserve: *28.57 Million Tonnes*
- (ii) Mineable reserve: *2.85 Million Tonnes*
- (iii) Extractable reserve: *20 Million Tonnes*
- (iv) Percent (%) of extraction: *70%*
- (v) Range of groundwater level: *12 – 16 m below ground level*
- (vi) Total estimated water requirement: *2740 m³/day industrial water + 160 m³/day potable water*
- (viii) Details of intersecting groundwater level: *Ground water table intersected. Expected that 500 m³/day will seep into expanded mine.*

23. Details of Deposits:

- (i) Depth of ore body: *Ore body is dipping at an angle of 35° towards NE.*
- (ii) Grade of ore: *1.04% Cu*
- (iii) Stripping ratio: *Not Applicable*

24. Method of mining: *Underground mining by Horizontal Cut & Fill, Room & Pillar and Post Pillar Methods*

25. Life of mine: *30 Years*

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

Original EIA Report prepared on the basis of Baseline Environmental Data generated during Post Monsoon Season, 2012 and Post Monsoon Season, 2014. Present EIA Report prepared also on basis of baseline environmental data being monitored during Jan- Feb. – March, 2020. A few values of PM10 exceed the maximum permissible value but at locations well away from the activities of Surda Mine

27. Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is for expansion.: *Not Applicable as applying for EC for 1st time.*

28. Details of O.B.: *Not Applicable as mine is an underground mine.*

- (i) External OB dumps: *One external waste rock dump created during early 1950s*
- No of OB dumps: *As above*
- (iii) Area of each dump: *5.49 ha*
- (iv) Height of each dump: *~5 m*
- (v) Quantity (in MCM) of OB in each dump: *~0.14 MCM*
- (vi) Year of backfilling: *Not Applicable*
- (vii) No. of OB dumps reclaimed: *One*
- (ix) If garland drains and settlement facility for runoff created: *External dump reclaimed during late 1950s / early 1960s*
- (ix) Whether run off water being utilized: *No.*

29. Details of Internal Dumps: *Not Applicable*

30. Utilization potential of wastes

- (i) Within the mines: *100% (all waste rock is utilised for stowing in underground voids)*
- (ii) Outside mines: *Not Applicable*

31. Details of final Mine Voids

- (i) Area: *Project is underground mine with stowing*
- (ii) Depth: *600 m*

32. Details of Quarry:

- (i) Total quarry area: *Not Applicable as project is underground mine*
- (ii) Greenbelt created in ha.: *18.79 ha*

33. Details of Land usage

LANDUSEDETAILS

(i) Pre-mining

S. No.	Land Use	Within ML Area (Ha)	OutsideMLArea (Ha)	Total
1.	Agriculture land	111.048		111.048
2.	Forest land	149.03	-	149.03
3.	Wasteland	-		-
4.	GrazingLand	118.404		118.404
5.	Surface water bodies	3.504		3.504
6.	Settlements	3.165		3.165
7.	Other (Roads)	3.529		3.529
	TOTAL	388.68		388.68

(ii) Post- Mining

Sl. No	Description	Land use				Total
		Plantation	Water Body	Public use	Undisturbed area	
1	External Waste dump	5.49	Nil	Nil	Nil	5.49
2	Top soil storage area	2.94	Nil	Nil	Nil	2.94
3	Mineral storage area	4.85	Nil	Nil	Nil	4.85
4	Infrastructure (Adm. Building, workshop, magazine, township)	-	-	32.38	-	32.38
5	Green Belt	18.79	-	-	-	18.79
6	Roads	-	-	1.88	-	1.88
7	Undisturbed area	Nil	Nil	Nil	322.35	322.35
	Total	32.07	Nil	34.26	322.35	388.68

Adm. Buildings, workshops, roads, township, magazine house etc. have been accounted for Public Use whereas magazine safety zone is accounted under "Undisturbed Area". Surda Nala and village pond has been included under "Undisturbed Area".

(iii) Core area

Existing land Utilisation and Land Utilisation at End of the Mine's Life

Sl. No.	Land Use	Existing	Conceptual
1.	Area for mine entry, excavation	2.52	2.52
2.	Area for new shaft (proposed)	Nil	10.76
3.	Old Waste dump (reclaimed)	5.49	5.49
4.	Area for top soil storage	2.94	2.94
5.	Mineral storage	4.85	4.85
6.	Infrastructure (Adm. Building, office, shaft portals, workshop etc.)	8.41	8.41
7.	Township	10.69	10.69
8.	Roads	1.88	1.88
9.	Greenbelt & Plantation (<i>including 7.5 m along ML</i>)	18.79	18.79

	<i>boundary 5.24km i.e. 3.501 ha)</i>		
10.	Balance unused land	333.11	322.35
	Total	388.68	388.68

34. Details of Forest issues

- (i) Total forest area involved (inha)for mining lease. *149.03*
- (ii) Total broken forest area.: *31.07 ha*
- (iii) Status of Forest Clearance and extend of forest land diverted in ha.:
Stage II FC Received.
- (iv) Is there any National Park, eco-sensitive Zones, within 10km radius? If so, give the details.: *No*
- (v) Extent of forestland in the project (including safety zone and all types of forest land) (inha): *Total Forest Land in ML Area – 149.03 ha. Forest Area Broken – 31.07 ha. Surface Extension of Underground extensions: 52.44 ha. Total diverted forest area is 83.51 ha.*
- (vi) Total forestland for which Stage-1 FC is available (give area in ha), provide break up of this area in following format:

Area(in ha)	Stage-1 FC issued vide letter no. & date	Validity period of earlier FC
203.62	<i>Letter no.8-64/93-FC(I) dated 11-04-1997</i>	<i>Co-terminus with mining lease</i>

- (vii) Balance forestland for which Stage-1 FC is not available (give area in ha): -
- (viii) Details of wildlife issues involved, if any. If so, whether WL management plan has been prepared;
No Biosphere Reserve, Wildlife Sanctuary, National Park, Ramsar Site, Tiger Reserve, Elephant Reserve, Elephant Corridor within 10 km of Surda Mine Lease
- (ix) Whether Schedule-I species, if yes conservation plan is approved by CWLW?

No Schedule I species found in Core Zone. Only Schedule I species found in Buffer Zone is Indian Python. Site Specific Wildlife Conservation Plan Prepared and submitted.

35. Costs of the project:

- (i) Total capital Cost: *Rs. 203 Crores*
Cost of Production: *~Rs 1457 per tonne*
- (iii) Sale Price: *Ore beneficiated and used in HCL's own copper smelter cum refinery*
- (iv) CSR cost: *CSR Budget for 2019 – 20 – Rs. 1.9773 Crores*
- (v) R&R Cost: *Not Applicable as no additional land acquisition / leasing*
- (vi) No of PAFs: *Not Applicable*
- (vii) Cost for implementing EMP: *Rs. 1.57 Crores*

36. Details of villages/habitation in mine lease area

- (i) Inside the lease: *5 Villages (Surda, Sohada, Benashole, Pathargora, Forest Block 1098)*
- (ii) Surrender by lease
- (iii) Extent of cropland acquired/being acquired in ha.: *No cropland will be acquired*

37. Details of transportation of mineral

- (i) In pit: *Mine tubs*
- (ii) Surface to siding: *Mined ore raised to surface in skips / cages and loaded onto tipper trucks for transport to Copper Ore Concentrator Plant.*
- (iii) Siding to loading: *Not Applicable*
- (iv) Quantity being transported by Road/Rail/conveyer /ropeway: *Presently ~3 lakh t transported by road.*
- (v) Proposed change in transportation means if any, give details: *No change*

38. Details of reclamation:

a. Afforestation shall be done covering an area of: *32.07 ha* at the end of mining. This will include:

- (i) Reclaimed external OB dump (in ha) : *8.43 ha + 4.85 ha Mineral Storage Area*
- (ii) Internal dump (in ha): *Not Applicable*
- (iii) Greenbelt (in ha): *18.79 ha*
- (iv) Density of tree plantation (in no of plants): *~1600 trees / ha*
- (iv) Void (in ha) at a depth of (in m) which is proposed to be converted into water body:),: *Not Applicable*
- (v) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).
- (vi) Agriculture and horticulture: *111.048 ha of agricultural land in ML area left untouched.*
- (vii) Fisheries: *Not Applicable*
- (ix) ECO Tourist/recreation spot: *Nil*

39. Any court case pending. If so, please provide a list with details as annexure.

- (i). Environment(Protection) Act: *None*
- (ii). Air(P&CP) Act: *None*
- (iii). Water (P&CP) Act: *None*
- (iv). MMRDA Act: *None*
- (v). The Factories Act: *None*
- (vi). Other land R&R related cases: *None*

40. Give details of actual 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 (MTPA)	Excess production beyond 1993 – 94 (MTPA)
1993 - 94	0 as the mine did not have EC. The highest annual copper ore production achieved prior to 1994 was 400,008 tonnes in 1989 - 90.	0.317238	0.317238	0
1994 - 95		0.308494	0.308494	0
1995 - 96		0.327096	0.327096	0.009858
1996 - 97		0.318517	0.318517	0.001279
1997 - 98		0.328717	0.328717	0.011479
1998 - 99		0.287217	0.287217	0
1999 - 2000		0.203364	0.203364	0
2000 - 01		0.293997	0.293997	0
2001 - 02		0.270429	0.270429	0
2002 - 03		0.089281	0.089281	0
2003 - 07		<i>0 as Mining</i>	<i>0 as Mining Suspended</i>	0
2007 - 08		0.049466	0.049466	0
2008 - 09		0.328168	0.328168	0.010930
2009 - 10		0.387843	0.387843	0.070605
2010 - 11		0.396841	0.396841	0.079603
2011 - 12		0.395745	0.395745	0.078507
2012 - 13		0.398537	0.398537	0.081299
2013 - 14		0.398569	0.398569	0.081331
2014 – 15		0.179036	0.179036	0
2015 – 16		0.267251	0.267251	0
2016 – 17	0.313856	0.313856	0	
2017 – 18	0.175391	0.175391	0	
2018 – 19	0.217524	0.217524	0	

41. Date and Place of public hearing: *15th Dec., 2015 at Vocational Training Centre of Surda Mine (within ML Area)*
42. The designation of officer presided over the PH: *Adl. District Magistrate, East Singhbhum District*
43. Name of the EIA consultant who prepared the EIA/EMP report.: *MECON Ltd.*
44. Whether the consultant has been accredited by the QCI and NABET as per the MoEF OM dated 2nd December, 2009.: *Yes*

Observation and recommendations of the earlier EAC meetings

EAC deliberated on the information as presented and as submitted to the Ministry (Form 2, EIA/EMP report, PH details) in the 31st meeting held on 28.02.2020. EAC based on the information submitted by the PP noted that instant PP had undergone mining without prior environmental clearance. The committee deliberated on the project of Surda Copper Mine (0.9 million TPA) and has observed that proposal has been appraised in 2015 by the sectoral EAC for the expansion of project but EC was not issued for want of clarity on forest clearance. It was also observed by the sectoral EAC that project has been operating prior to 1993. Taking into consideration of 1993 -94 base level (3,17,238 tonnes), PP had gone for expansion during 1995-96 (3,27,096 tonnes) without seeking prior environmental clearance hence PP is in violation since 1995-96.

EAC after detailed deliberations on the proposal in the 31st meeting **deferred** the proposal for want of following information:

- i. Revised plan showing mining lease area reduced from 388.68 Ha to 323.16 Ha as FC Clearance available for 83.51 Ha out of 149.03 Ha of Forest land.
- ii. Status of credible action against violation.
- iii. Land requirement plan showing surface features along with Non forest land acquired, Forest Land already acquired and Forest land to be acquired;
- iv. Plantation details (Existing/Proposed) along with species to be used, capital and recurring expenditure with maintenance;
- v. Revised damage assessment to be calculated by considering the violation period from 1995-96 to 2018-19 for the excess quantity from the base year and qty as per SC judgement.
- vi. Fresh one-month baseline data as stipulated in the ToR to be incorporated in the revised EIA/EMP report. Comparison table should be made with earlier baseline data collected with fresh baseline data.
- vii. Greenbelt plan with plantation details of existing and proposed
- viii. Revised benefit accrued due to excess production during entire violation period from 1995-96 to 2018-19.
- ix. Revised capital cost with certification from concerned F&A department.
- x. Revised CER cost as per Ministry OM dated 01.05.2018 considering this project as green field project.
- xi. Copy of PH minutes to be uploaded in Form 2 application.
- xii. Revised EIA/EMP report to be submitted as some Typographical error observed in earlier report.
- xiii. Clarification for the BLD collection reported in EIA/EMP report for the month of March 2020

Project proponent submitted the above information online on 14.03.2020, as sought by the EAC in the 31st meeting held on 28.02.2020. Project proponent made the detailed presentation on the additional information in the 32nd meeting. EAC deliberated on the information as presented and submitted by the PP. EAC observed that baseline environmental data generation has now been carried out by Env. Engg. Laboratory of M/s MECON for the period 06-02-2020 to 06-03-2020. Total Mining Lease Area of the project is 388.68 Ha having 149.03 ha of Forest land in it. Out of 149.03 Ha of FL, 83.51 Ha has been diverted whereas 65.52 Ha is yet to be diverted. PP apprised EAC that any u/g mining or any activities related to u/g mining shall not be carried out in the forest land within mining lease for which FC to be acquired. EAC noted that PP has submitted the land use plan of 323.16 ha (excluding the forest land for which FC to be obtained). EAC also noted that credible action against the PP u/s 19 of E(P) act 1986 has not been initiated.

EAC also made an observation that instant project is for the first time EC and therefore should not be considered as an expansion project as far as EC is concerned. Accordingly, title of the project may be modified. EAC in the 32nd meeting after detailed deliberation on the information submitted and as presented, **deferred** the project for want of following information:

1. Lease renewal status after 31.03.2020
2. Details of Dumps and Stripping ratio not provided.
3. FC is co-terminus with Mining lease. Lease validity is over on 31.03.2020. Status of FC?
4. Surface Water bodies are missing in post mining land use details.

5. Proposal submitted is for the first time environmental clearance, hence it cannot be considered as expansion project. Accordingly submit the EIA/EMP report with revised title.
6. Justification for cost taken for arriving damage assessment of air environment. Damage assessment shall be computed for the differential qty from the base year and base quantity in line with SC judgement. It is noted that EU 28 Hand book for ENV prices are considered in the assessment without giving due consideration for the Indian conditions and the costs. It is observed in the tables 13.8 to 13.12 that assessed values for PM 10 and other parameters like NOX does not represent a proper value as explained and hence all the damage costs for Air impact has to be reassessed besides for discounting to Indian conditions and considering health impacts separately as per Tata nagar study is superfluous, since EU 28 takes care of the same. Emission rates shall be rechecked.
7. Impacts due to partial provision of GB/plantation by not fulfilling 50% of the requirement and the deficiency shall be computed for damage.
8. Likewise Crop loss at 25% of the annual yield cost for specific impacted extent shall be reworked and likewise other parameters like CO₂, etc.
9. Table of AQIP with and without control measures shall be submitted.
10. SW/GW: sourcing of GW without @500kld, Non provision of water structures like Garland drain, settling tanks and RWH deficiency which has to be provided as per CGWA NOC of 2018 besides water drawn from Subarnarekha river for the violation period shall be considered for damage costs and vis-à-vis remediation.
11. LU/LC/Ecology: A minimum of 32 ha of plantation, 9 ha of avenue plantation and 1,2 ha along water bodies should have been in place now and hence damage cost shall be computed accordingly.
12. Profit accrued during violation as per prorata shall be recomputed and 3 % profit added to damage cost in CRAP.
13. No discount is permitted for the statutory costs incurred by the PP during this period.
14. PP calculated the water environment (Surface Water) damages based on the prevailing water tax rates (Rs 2.0/m³) instead of CPCB guidelines. Revise the damages as per the CPCB rates and as suggested by EAC.
15. PP did not address damages to Land environment vis-à-vis top soil management and Noise environment. Revise the damage assessment for air quality by considering CMPDI emission rates
16. Copy of credible action taken against the PP
17. CER activities with year wise details
18. Land requirement plan showing the mining lease area of the 323.16 Ha only (excluding the forest land for which FC to be obtained) with latitude and longitude.
19. NOC from state ground water department
20. CFO compliance report presentation before EAC to be made
21. Capital cost of the project shall consider the brought down cost of 93/94 plus capex involved between 93/94 and 2019 plus expansion cost.

Observation and recommendations of the EAC in the present meetings:

Project proponent submitted the above information online vide letter dated 21.05.2020, as sought by the EAC in the 32nd meeting. EAC examined the information submitted by the PP.

EAC observed that PP has submitted letter dated 06.03.2020 from the mining department Jharkhand wherein it has been mentioned that lease renewal application is under consideration. PP apprised EAC that credible action has been initiated and complaint case has been filed by the State PCB, Jharkhand. EAC further observed that the PP in last meeting mentioned that they had spent Rs 26.09 crores towards Environment Management Measures but now they are mentioning Rs 1.492 crores, this is contradictory information.

EAC opined that the reply submitted by the PP is inadequate and lack clarity on mining lease renewal, renewal of diversion of forest land as Forest Clearance is co-terminus with Mining lease and amount spent on Environment Management Measures, post mining land use details particularly water bodies and Expenditure spent towards Environment measure cannot reduced from the damage cost and same was informed to PP in 32nd EAC meeting but PP has reduced the above expenditure in 34th EAC meeting also. It shows clearly careless approach of PP and EIA consultant in submission of ADS reply. EAC took it seriously and directed PP to submit clarification regarding submission of inadequate and improper reply to the Ministry.

EAC after detailed deliberation recommended to **defer** the project. EAC advised **PP to make a detailed presentation on the additional information** of the 32nd meeting including layout plan clearly demarcating the forest land (149.03Ha) already diverted (83.51 Ha) and yet to divert (65.52 Ha), revised damage cost as suggested by EAC during meeting, revised Post Mining land use plan along with the following additional information to the Ministry:

- i. Letter of intent for the extension of mining lease to Project proponent.
- ii. Letter regarding renewal of Forest Clearance.
- iii. Provide water quality entering the stream from mines and also the ground water quality around the mine.
- iv. Detailed clarification regarding submission of inadequate and improper reply to the ministry apart from variance in different EIA's submitted to the ministry.

34.3.3 Proposed 70200 TPA of Limestone production from Putka Limestone Mine (MLA 97.013 Ha) of M/s Jyoti Pramanik located at Village Putka, District Bargarh (Orissa) - Terms of Reference [Old Proposal No. IA/OR/MIN/23194/2014 dated 16.05.2017] [F. No. 23- 151/2018-IA.III (V)]

Details submitted by the Project Proponent:

The Proposal of M/s Putka Lime Stone is for Mining of Lime stone from Putka Mine for Total Excavation 92, 900 Tonne per annum (TPA) [including 70,200 tons of limestone, 15500 m³O.B/waste and 7200 TPA subgrade] from mining lease area 97.031 hectares located at Villages: Putka, Tehsil: Paikimal, District Bargarh of Odisha State by Sri Jyoti Pramanik.

1. Project Background

The proposal of Sri Jyoti Pramanik of Putka Lime Stone is for production of 70, 200 Tonne per annum (TPA) of Lime Stone from Putka Mine- (ML Area 97.031 Ha, located at Villages Putka, Tehsil, District Bargarh, Odisha State. The mining lease is located on

Survey of India Topo-sheet no. 64 K/ 16. The area is bounded between the coordinates Latitude 21° 10' 40.4" to 21° 11' 02.4" N to N and Longitude 82° 57' 58.7" to 82° 57' 38.3" E.

2. Category of the Project (Refer cluster certificate if applicable)

The said project/activity is covered under Category – A" Schedule 1(a) of item of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF & CC based on the appraisal by Expert Appraisal Committee

3. Violation Details & Sectorial EAC/ SEAC Comments:

Letter issued vide F. No-3-50/2017IA.III-Pt dated 5th Jan 2018 regarding the details of violation as below:

- i. The proposal was submitted on 16th May 2017 for ToR/ EC as per provision of notification vide S.o. 804 (E) dated 14.03.2017 for Putka Limestone Mines over an area of 97.031 Ha under the case of violation of EIA notification 2006.
- ii. Meanwhile Hon'ble Supreme Court in their judgments dated 2nd August 2017 has interpreted the section 21(5) of the mines and mineral (Development and Regulation) MMDR Act, 1957, and held that wherever violation were carried out with regard to the Water (Prevention and control of Pollution) Act, 1974, the Forest (Conservation) Act, 1980, the Air (Prevention and control of Pollution) Act, 1981 and Environment (protection) Act, 1986, 100% cost/ value of the illegally mined material needs to be compensated by the mining entity.
- iii. It has been suggested to approach mines and geology department for certification regarding the cost of illegally mined out material which include mining without EC, mining without CTO, mining without Mining plan/ Scheme or without Forest clearance
- iv. No objection Certification from mines and geology department in respect to the amount payable against the identified violation. In order to comply the above letter a letter has been issued by Sri Jyoti Pramanik on 29.01.2018 as below:
 - Hon'ble Supreme Court Judgment dated 02.08.2017 limited to Iron and Manganese ore mines only and it does not cover the scope of limestone mines. So the invocation of section 21(5) under MMDR Act to determine excess of mining is not rational and so also the certification of state govt. with regard to recovery of such cost is under processing.
 - The Lessee files an affidavit before the executive magistrate, Sambalpur on 26.08.2019 with regard to not repetition of the violation further and shall be abided by rule and regulation stipulated there in in statute. This affidavit has been submitted to MoEF & CC.

4. Application (Form-1 & PFR)

Fresh application was made online vide proposal no.J11015/167/2014-IA,II (M) dated 23.11.2018 under violation category for Term of Reference (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR. The proposed project activity is covered under 'Schedule 1 (a) of EIA Notification, 2006 and is a category 'A'.

The project is under Category B and line “appraised at EAC (MoEF & CC) because of presence of interstate boundary adjacent to NW boundary of the project site.

5. Details of Minerals:

Number of minerals whether mineral is major or minor. Status of same mineral before 2006 (major or minor):

Name of the Mineral: Limestone, Major Mineral. The mines was executed on 13.09.2007

6. Letter of Intent (LoI)/Mining Lease Details:

The lease was granted on 25.09.1994 and the lease deed was executed on 13.09.2007 and under section 8(A) pf MM(D&R) Act, 2015 (as amended), the lease period is deemed to have been extended up to 24.09.2024.

7. Method of Mining & Mining Plan Details:

- The Mining Plan was approved by IBM/DMG vide LR No.MPM/OTFM/06-ORI/BHU/2016-17, dated02.09.2016. As per which the method of mining shall be opencast/ underground/ mechanized etc.
- The various mining operations such as drilling, blasting, excavation, loading, sizing and transportation will be done by jack hammer drill as well as 100mm dia DTH drill on single shift basis. Height and width of the benches will be kept at 3m and 6m respectively. The individual bench faces will be kept nearly vertical (75° - 85°) whereas the overall quarry slope angle (the angle between the line joining the toe of bottom bench and the crest of the top bench with the horizontal) is proposed to be kept at less than 27° with the horizontal
- There exist six number of waste dumps in the lease area having 0.510 ha, 5202 cubic meter has been dumped over six dumps. 4320 cubic meter waste consists of mud, clay, phyllite and shale has been dumped over an area 0.216 ha. About (5202-4320) 882 cubic meter waste will be rehandled or removed due to lateral expansion from dump no 1, 1A, 1B,2, 2A.
- Water requirement for the project: 25 KLD
- Year wise Plantation:

Year of scheme	Corresponding financial year	Area Proposed (m²)	No. of saplings required	Species proposed
1 st	2016-17	2000	500	Mango, Mahul, Kendu, Neem, Karanj, Tentuli, etc.
2 nd	2017-18	2000	500	-do-
3 rd	2018-19	2000	500	-do-
4 th	2019-20	2000	500	-do-
5 th	2020-21	2000	500	-do-
Total		10,000	2,500	---

Land use as per mining plan at the end of plan period and at conceptual stage.

SL No.	Type of land use	As at present (ha)	As at the end of scheme period of 5 years (ha)	As at the end of conceptual period (life of mine) (ha)
1	Area under excavation	2.250	4.692	8.349
2	Storage for Topsoil	-----	0.239	0.578
3	Overburden dump	0.510	1.277	2.010
4	Mineral storage	1.649	3.470	3.470
5	Infrastructure (workshop,administrative building etc .	-----	0.050	0.050
6	Road	0.420	0.820	0.820
7	Railways	-----	-----	-----
8	Green belt	-----	1.000	5.000
9	Tailing pond	-----	-----	-----
10	Effluent Treatment Plant	-----	-----	-----
11	Mineral Separation plant	-----	0.530	0.530
12	Township area	-----	-----	-----
13	Others	0.010	0.10	0.10
	Sub Total	4.839	12.088	20.817
14	Undisturbed	92.192	84.943	76.214
	Total	97.031	97.031	97.031

8. Other Waste Generation, if any:

[Details of any other waste generated during mining activity and its mitigation measures

Total waste will be generated 56600 cubic meter.

Year	OB (cubic meter)
2016-17	7600
2017-18	8700
2018-19	8100
2019-20	16700
2020-21	15500
Total	56600

There exist six numbers of dumps in the lease area having 0.510 ha. 5202 cubic meter has been dumped over six dumps Waste consists of mud, clay, phyllite and shale has been dumped over an area 0.216 ha. About (5202-4320) 882 cubic meter waste will be re handled or removed due to lateral expansion from dump no 1, 1A, 1B, 2, 2A.

About 56600 cubic meter waste will be generated during 2016-17 to 2020-21. This waste will be re handled in due course.

9. Land Use(Forest/Agricultural/Waste):

[Details of necessary clearance/permission in case of Forest /Agricultural/ Waste land/Grazing land and water bodies involved in the ML Area]. In case Forest Land involved, furnish details about status of Forest Clearance]

Type of Land	Area in ha.
Agricultural Land	61.747
Waste Land	34.034
Road , etc.	1.250
Total	97.031

10. Details of past production since inception of mine authenticated byDMG

Prepare table of past production in word format with reference to DMG letter no2004 on dated 16.11.20107.

Year	Planned production (t)	Actual production (t)
2005-06	60372	--
2006-07	64935	3316
2007-08	67041	503
2008-09	69217	----
2009-10	70200	---
---	331,765	3,819

11. Applicability of General Condition & Status of SEIAA:No wild life sanctuaries exists within 10 Km radius of ease area

12. Aravalli/Doon Valley/ Western Ghats/Eco-Sensitivearea:

[Submit details about Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area, if any]

Nil

13. Project Cost &Employment:

Employment: Total 60 worker will be employed in the mine. (Skilled: 18 nos, semi skilled: 24nos, Unskilled:18nos.)

Description	Total cost in Rs. (during scheme period)
Dump stabilization (Reclamation)	2, 50, 000.00
Pollution control (water sprinkler)	3,50,000.00
Occupational Health (Medical checkup)	1,00,000.00
Greenbelt	1,00,000.00
Pollution Monitoring	1,50,000.00
Others (Garland drain, etc)	50,000.00
Total	10,00,000.00

14. Affidavit for SC Order 2.08.2017:

The Lessee files an affidavit before the executive magistrate, Sambalpur on 26.08.2019 with regard to not repetition of the violation further and shall be abided by rule and regulation stipulated there in in statute. This affidavit has been submitted to MoEF & CC.

15. Status of DSR, in case of minor mineral: This is the project regarding mining of major minerals

Observation and recommendation of the EAC in the earlier meetings:

Project Proponent did not attend the earlier EAC meetings (9th, 25th, 27th)

Observation and recommendation of the EAC in the present meeting:

EAC noted that documents essential for appraising the proposal for ToR has not been submitted, as per the requirement of the Ministry. EAC, therefore, **deferred** the project and advised PP to make a detailed presentation on the proposal after submitting the following documents to the Ministry:

1. Form 1 having details of violation, General Condition and total excavation including OB/waste etc in TPA
2. Pre-Feasibility report
3. Mine lease document/LOI from the mining department for renewal of mining lease up to 2024.
4. Affidavit as per the Ministry's OM dated 30.05.2018.
5. Past production details authenticated by the State mining department since inception of mine.
6. kml file

34.3.4 Cluster of Godavarikhani No. 1&3 Inclines, Godavarikhani No. 2&2A Inclines and Godavarikhani No.5 Incline, Telangana by M/s Singareni Collieries Ltd.- for Environmental Clearance- Reconsideration for Environmental Clearance [IA/TG/CMIN/131588/2017] [F.No.23-78/2018-IAIII(V)]

Above proposal was considered in the 32nd meeting held on 22-23rd April 2020. EAC in the said meeting **recommended** the proposal for **grant of Environmental Clearance** subject to the compliance of certain specific conditions in addition to all standard conditions applicable for such projects. EAC recommended for an amount of Rs 277.1 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years.

EAC re-considered the project in the present meeting in line with two proposals (M/s Pushpawati Singhania Hospital & Research Institute and M/s Hotel Leela Venture Ltd) considered in the 33rd meeting, wherein activities recommended under remediation as well as natural and community resource augmentation plan were revisited for stipulation of limited number of activities but focussed towards mitigation measures with a budgetary provision as recommended.

Accordingly, PP made the presentation on the limited number of activities under remediation as well as natural and community resource augmentation plan but focussed towards mitigation

measures with a budgetary provision as recommended by the EAC in the 32nd meeting i.e. Rs 277.1 lakhs. Project Proponent submitted the following activities as tabulated below:

Table 1 - Remediation Plan along with budgetary Provision:

S.No.	Component Remediation	Remediation Proposed	Description	Locations	Unit Rate in Rs.	Total Qty.	Total Cost (Rs.)	Year I	Year II	Year III
1a.	Air & Noise Environment and Ecology	Dust suppression	Providing water sprinkling via Tankers (360 Days/ Year)	Transportation road & CC roads as requested in public hearing	3,000/day	1080	32,40,000	10,80,000	10,80,000	10,80,000
1b.		Monitoring of ambient air quality within buffer zone towards downwind direction	As per Central Pollution Control Board (CPCB) guidelines for National Ambient Air Quality Standards (NAAQS) 6 locations 24 samples per year (every fortnight)	1. Sundilla 2. Peddampeta 3. Chillapalli 4. Gunjapadugu 5. Godavarikhani (Sector-1) 6. Shanthinagar	2,000/sample	432	8,64,000	2,88,000	2,88,000	2,88,000
1c.		Avenue Plantation	Plantation of total 1500 Nos native plants at Rs.1000 per sapling, including maintenance for 3 years in nearby 2 villages and peripheral area immediately outside mine boundary.	1. Sundilla 2. Jangaon 3. Periphery area immediately outside mine boundary area	1,000	1500	15,00,000	5,00,000	5,00,000	5,00,000
Total							56,04,000	18,68,000	18,68,000	18,68,000

2a.	Water Environment	Construction and annual maintenance of 10 Nos. Rain Water Harvesting structures in nearby villages	Construction of RWH- 10 Nos @ 2,50,000/per RWH (including raw material, labour, construction and maintenance for one year)	1. Sundilla 2. Gunjapadugu 3. Mustyala 4. Nagaram 5. Ranapur	2,50,000	10	25,00,000	10,00,000	10,00,000	5,00,000	
2b.		De-silting of tanks, Beautification of ponds, wells etc. in nearby areas	Lump sum cost including Materials, labour, construction and maintenance for one year	1. Nalla cheruvu 2. Sundilla Tank 3. Jangaon Tank 4. Banks of River Godavari parallel to Boundary area	LS	LS	14,56,000	5,00,000	4,78,000	4,78,000	
Total (Rs.)								39,56,000	15,00,000	14,78,000	9,78,000
Grand Total (Rs.)								95,60,000	33,68,000	33,46,000	28,46,000

Table 2- Natural and Community Resource Augmentation Plan with budgetary provision:

S.no	Component	Activity Proposed	Description	Locations	Rate	Total Qty.	Total Cost (Rs.)	Year I	Year II	Year III
1.	Natural Resource Augmentation Plan	Energy Conservation by adapting Green Energy technology.	Providing Solar Street Lighting (including panels, inverters, wiring, structure, connectors, junction boxes, etc.) in nearby 5 villages as per the requirement of village Panchayats @	1. Jangaon 2. Sundilla 3. Mustyala 4. Peddampeta 5. Godavarikhani	50,000	225	1,12,50,000	37,50,000	37,50,000	37,50,000

			Rs.50,000 per unit.							
2.	Community Resource Augmentation Plan	Development of Infrastructure	Construction of 4 Nos Toilets as Complex in 5 nearby villages.	1. Bestapalli 2. Siripuram 3. Chandanapuram 4. Malkapur 5. Chillapalli	1,50,000	20	30,00,000	10,00,000	10,00,000	10,00,000
			Renovation of Government School building and other facilities in 5 nearby 5 villages.	1. Sundilla 2. Jangoan 3. Bestapalli 4. Chandanapuram 5. Dubbapalli	7,80,000	LS	39,00,000	13,00,000	13,00,000	13,00,000
Sub Total (Rs.)							69,00,000	23,00,000	23,00,000	23,00,000
Grand Total (Rs.)							1,81,50,000	60,50,000	60,50,000	60,50,000

EAC deliberated on the revised activities proposed by the PP. EAC observed that above activities are focussed and covers the air, water, ecology and social aspect with a budgetary provision as recommended by the EAC in the 32nd meeting, after duly assessing the damages caused by the project activities undertaken without proper environmental management plan in place. EAC after detailed deliberation once again reiterated its recommendations made in the 32nd meeting and **recommended** the revised activities as tabulated above, against the activities tabulated under item 32.3.1, Specific Condition No. 1 of the 32nd minutes of meeting with total budgetary provision of Rs 277.10 lakhs (RP: Rs 95.60lakhs and NRA & CRA: Rs 181.50 lakhs)

34.3.5 Expansion of Jagannath Opencast Coal Mining project from 6 MTPA to 7.5 MTPA with increase in mine lease area from 430.76 ha to 553.946 ha of M/s Mahanadi Coalfields Limited, located in District Angul, Odisha –Re-consideration for Environmental Clearance

[IA/OR/CMIN/108556/2018 dated 19.06.2019] [F. No. J11015/177/2015-IA. II(M)]

Above proposal was considered in the 32nd meeting held on 22-23rd April 2020. EAC in the said meeting **recommended** the proposal for **grant of Environmental Clearance** subject to the compliance of certain specific conditions in addition to all standard conditions applicable for such projects. EAC recommended for an amount of **Rs 3987.74 lakhs** towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years.

EAC re-considered the above project in the present meeting in line with two proposals (M/s Pushpawati Singhania Hospital & Research Institute and M/s Hotel Leela Venture Ltd) considered in the 33rd meeting, wherein activities recommended under remediation as well as natural and community resource augmentation plan were revisited for stipulation of limited number of activities but focussed towards mitigation measures with a budgetary provision as recommended.

Accordingly, PP made the detailed presentation on the limited number of activities under remediation as well as natural and community resource augmentation plan but focussed towards mitigation measures with a budgetary provision as recommended by the EAC in the 32nd meeting. i.e Rs 3987.74 lakhs. Project Proponent submitted the following activities as tabulated below:

Table 1 - Remediation Plan along with budgetary Provision:

S.No.	Component Remediation	Remediation Proposed	Description	Locations	Rate (Rs.)	Total Qty.	Total Cost (Rs)	Year I	Year II	Year III
1a.	Water Environment	Water treatment plant for Supply of Potable water	Installation of one RO plant near Jagannath OCP and Supply of treated potable water to nearby villages.	1. Dera 2. Ghanapada 3. Handidua 4. Rhodasar 5. Ekdal 6. Hilo	84 00000	05	420,00,000	250,00,000	100,00,000	70,00,000
1b.			Installation of Iron removal & Chlorination plant of capacity 10000 GPH for supply of Drinking water.	Rakash village shifted people at R&R Site, Boulpur	350,00,000	01	350,00,000	200,00,000	75,00,000	75,00,000
1c.		Water Storage & Conveyance system	Installation of Overhead Tank with Pipe line.	Narayan Sevashram, Kukudang village (6000 Ltrs.)	10,00,000	LS	10,00,000	5,00,000	250,000	250,000
Sub-Total							780,00,000	4,55,00,000	1,77,50,000	1,47,50,000

2a.	Air and LULC and Ecology	Plantation / Greenbelt development & Maintenance	Urban Plantation at nearby villages, in vacant/open spaces near R&R site (for prevention of soil erosion) and areas outside Mine boundary with total Nos. of 42,500 local species covering an total area of 17.00 Ha	<ol style="list-style-type: none"> 1. Dera 2. Derjang 3. Telisingha 4. Kamarei 5. Balanda 6. Area outside Project boundary of Jagannath OCP. 	647.059 (in Rs.)	42500	275,00,000	165,00,000	55,00,000	55,00,000
Total – Remediation Plan Cost (Rs)							10,55,00,000	6,20,00,000	2,32,50,000	2,02,50,000

Table 2- Natural and Community Resource Augmentation Plan with budgetary provision:

S.no	Component	Activity Proposed	Description	Locations	Rate	Total Qty.	Total Cost (Rs)	Year I	Year II	Year III
1.	Natural Resource Augmentation Plan	Conservation of ecology and bio diversity	Development thick green belt with width of 7.5 Mtrs for a total running length of Approx. 30 KM, covering total area of approx. 21.85 Ha land with total of 40000 nos of sapling of local species like sal, gambhari, kurum etc.	<ol style="list-style-type: none"> 1. Along safety zone/ around the Mine lease boundary 2. Downstream direction near Bharatpur Coal Corridor Road 3. Along streams, ponds etc of peripheral villages. 	800 (in Rs.)	40000	3,20,00,000	1,92,00,000	64,00,000	64,00,000
Total – Natural Resource Augmentation Plan							3,20,00,000	1,92,00,000	64,00,000	64,00,000
2.	Community Resource Augmentation Plan		<ul style="list-style-type: none"> ● Construction / renovation of following infrastructures, <ul style="list-style-type: none"> ○ RCC Drains ○ RCC Roads ○ Community Toilets ○ Library-Cum Meeting Hall 	Construction of RCC Drains in <ul style="list-style-type: none"> ○ Majhidian Pond to Chechari pond at Ghabntapada- 195 mtrs ○ R&R site, Boulapur - 5650 Mtrs ○ Gurudwar to FCI gate Chhak- 3000 Mtrs 	LS	LS	11,12,74,000	6,66,84,400	300,00,000	145,89,600

				<p>Construction of roads in,</p> <ul style="list-style-type: none"> ○ R&R site, Boulapur - 3890 Mtrs. <p>Renovation of roads in,</p> <ul style="list-style-type: none"> ○ Road from Regional Hospital ,Dera to hanuman Mandir, Dera - 519.5 Mtrs ○ Gurudwar to FCI gate Chhak - 1351.00 Mtrs <p>Construction of Community Toilets and Library Cum Meeting Hall in respective locations,</p> <ul style="list-style-type: none"> ○ Handidhua and Dera – 3 Nos in Each village ○ Sevashram, Kukudang village 					
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3.	Community Resource Augmentation Plan		Constructions of a High school at Dera(New) with all facilities including , smart display board, separate library 10000 books etc and having 26 Class Rooms,06 Nos. Hall and 13 Toilets Nos. of rooms to provide education to local villagers' kids	Dera							
					LS	LS	10,00,00,000	5,00,00,000	2,50,00,000	2,50,00,000	
3a.	Community Resource Augmentation Plan	Energy Conservation (Green Energy)	Providing 200 Nos, 5 KW Capacity Solar Lighting system (includes panels, inverters, wiring, structure, connectors, junction boxes, etc.) to households in nearby villages.	<ul style="list-style-type: none"> • Dera, - 75 • New Jiinda - 75 • Ekdal - 50 	200	250000	500 00000	250 00000	15000000	10000000	
Total – Community Resource Augmentation Plan (Rs.)							261274000	141684400	7,00,00000	49589600	

Summary

Sl. No.	Activity Proposed	Total (Rs. In Lakhs)
1.	Cost of remediation Plan	1055.00
2.	Natural Resources Augmentation Plan for three years	320.00
3.	Community Resources Augmentation Plan for three years	2612.74
Total		3987.74

EAC deliberated on the revised activities proposed by the PP. EAC observed that above activities are focussed and covers the air, water, ecology, energy conservation and social aspect with a budgetary provision as recommended by the EAC in the 32nd meeting, after duly assessing the damages caused by the project activities undertaken without proper environmental management plan in place. EAC after detailed deliberation once again reiterated its recommendations made in the 32nd meeting and **recommended** the revised activities as tabulated above, against the activities tabulated under item 32.4.5, Specific Condition No. 1 of the 32nd minutes of meeting with total budgetary provision of Rs 3987.74 lakhs.

34.3.6 Modernization of Rourkela Steel Plant, SAIL by adding new 125 TPD Sulphuric Acid Plant in place of old 60 TPD plant in the State of Orissa by M/s SAIL Rourkela Steel Plant - Re-consideration for Environmental Clearance [Old Proposal No. IA/OR/IND/63491/2017 dated 31.08.2017] [F. No. 23- 104/2018-IA.III (V)]

The proposal was considered during the 7th meeting of Expert Appraisal Committee (Violation Sector) held on 17-18th May, 2018. After detailed deliberations, EAC recommended the project for grant of Environmental Clearance subject to the following specific conditions in addition to all generic conditions applicable for such projects:

- i. The PP shall submit a bank guarantee equivalent to the amount of rupees 50 lakhs towards remediation plan and natural and community resource augmentation plan with State Pollution Control Board and submit the proof for the same to the Ministry.
- ii. The PP shall submit the proof of credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986 to the MoEF&CC.
- iii. The PP shall submit the certified compliance report of the existing EC conditions from the Ministry's regional office to the MoEF&CC.

Proposal was processed on file based on EAC recommendations (Violation) and Ministry vide letter dated 30/07/2018 sought documents from M/s. SAIL on aforesaid point no. ii and iii. SAIL submitted its response on 8/11/2018 which was examined in the Ministry and thereafter Ministry vide letter dated 11/12/2018 again sought for the proof for credible action taken by the concerned State Government/SPCB under the provisions of section 19 of the Environment (Protection) Act, 1986. M/s. SAIL vide e-mail dated 23/09/2019 submitted the credible action taken report of District Collector wherein the District Collector has filed a case in the District court of Rourkela [Case No. 2 (c) CC case no. 110/2019] against the SAIL Officials under section 19 of the Environment (Protection) Act, 1986 for establishment of 125 TPD Sulphuric Acid Plant at Rourkela Steel Plant, Rourkela, Orissa. Based on the reply furnished by RSP and EAC recommendations, the file was processed for grant of Environment Clearance.

Meanwhile Project proponent vide letter dated 11/11/2019 addressed to the Ministry requesting for the following:

- a. Issue a clarification stating that 125 TPD sulphuric acid plant is not coming under the purview of EIA Notification, 2006.
- b. Waiver off Bank Guarantee of INR 50 Lakhs.
- c. Withdrawal of case filed against the SAIL Officials

Subsequently, the matter was referred to the EAC – Violation sector for their views on the letter dated 11/11/2019 of M/s. SAIL. The proposal was considered by the EAC (Violation) in its 30th meeting held on 04/02/2020 for re-consideration of Environmental clearance on the above request made by project proponent

EAC (Violation) in the 30th meeting, opined that since the proposal under consideration was originally appraised by the Sectoral EAC (Industry-1) in its 10th and 18th meetings held on 28-31st August 2016 and 5th May 2017 respectively and recommended the TORs under the provisions of the Ministry's Notification S.O.804 (E) dated 14.3.2017, it would be appropriate to obtain the comments of under reference.

EAC(Violation) in the said meeting deferred their decision for want of following clarification besides obtaining comments from the EAC (Industry-I) on the representation of PP vide letter dated 11.11.2019:

- i. Project proponent has been asked to submit the proof of evidence that they have informed to Ministry about establishment of sulphuric acid plant (60TPD) at the time of grant of first EC to the proposed project by Ministry.
- ii. Justification for establishing that there will not be any increase in the pollution load with technical details.

Matter was considered by the Industry 1 sector in the 18th meeting held on 29.04.2020. Following comments/recommendations from the EAC (Ind-1) were forwarded to EAC violation for taking appropriate view on their recommendations:

- i. Sulphuric acid plant of 60 TPD and Ammonium sulphate plant was in existence since August, 1990 and operating with prior consent from Odisha State Pollution Control Board (OSPCB) and also prior to the enactment of EIA Notification, 1994 and 2006. The 60 TPD Sulphuric acid plant was shut down during July, 2015 due to the safety concerns and since then the requirement of Sulphuric acid is being met from local market.
- ii. The Project Proponent has now informed, and it was verified, that the existence of Sulphuric Acid plant of 60 TPD and Ammonium sulphate plant was mentioned in the EIA report submitted to the Ministry during 2008 for expansion of steel plant from 1.9 MTPA to 4.2 MTPA. However, the Project Proponent did not incorporate the existence of these units in the product slate for which EC was accorded by the Ministry from time to time.
- iii. PP has obtained Consent to Establish (CTE) from OSPCB on 7/05/2013 prior to the establishment of new 125 TPD sulphuric acid plant and till date the said unit has not commenced the production for want of CTO from OSPCB and clarification from MoEF&CC regarding applicability of EC.
- iv. M/s. SAIL-RSP on suo-motto basis submitted a fresh application to the Ministry through PARIVESH (No: IA/OR/IND/63491/2017) for considering their instant proposal under violation category in accordance with the notification issued vide S.O. 804 (E) dated 14/03/2017.

- v. Hence, EAC -Industry -1 was left only with an option of recommending the proposal for grant of ToR.
- vi. The Sulphuric Acid plant and the Ammonium sulphate plant are located within the premises of the integrated steel plant for which EC was accorded by the Ministry on 29/01/2008, 15/12/2016 and 6/11/2019.
- vii. According to the EIA/EMP report submitted by the PP for the instant proposal, there will be a reduction in pollution load vis-à-vis with existing 60 TPD sulphuric acid plant due to the proposed use of the state of the art technology.
- viii. According to the stand of MoEF&CC (order 22-9/2019-IA.III dated 22/08/2019 to M/s PCPL, Pune), Standalone ammonia plant/ project may not be considered to be covered under the extant provisions of the EIA Notification, 2006, read with subsequent amendments, and thus not requiring prior environment clearance for the present.
- ix. The aforesaid order dated 22.8.2019 has a mention of standalone Units/ Plants. However, subsequent consideration of such a matter by MoEF&CC has resulted in its order dated 5.11.2019. According to the stand of MoEF&CC order dated 5.11.2019, *“The matter has further been deliberated in the Ministry and based on the same, the undersigned is directed to say that no separate EC is required for setting up an activity which does not attract the provisions of EIA Notification 2006 in the premises of project/activities which are operating with prior EC. However, such activities shall be required to obtain consent under Air and Water Act, if applicable.”* Hence, if a unit does not require EC on its own as per EIA notification, a separate EC for setting up such a unit does not appear to be necessary as per MoEF&CC order dated 5.11.2019. The Committee has already noted that the 60 TPD Sulphuric acid plant was shut down during July, 2015 and since then the requirement of Sulphuric acid is being met from local market. Now the PP has proposed to set up a new 125 TPD Sulfuric Acid plant for which CTE has been given by the OSPCB and the question of requirement of EC is under consideration. Since, on its own, this does not require EC as per EIA notification, MoEF&CC order dated 5.11. 2019 says that a separate EC for the instant proposal may not be required.
- x. In view of above and in view of the Gazette notification no. S.O.236 (E) dated 16/01/2020 pertaining to change of product mix with no increase in pollution load, the EAC – Violation Sector may like to revisit their recommendations made during 17-18th May, 2018 and appropriate view may be taken.

Observation and recommendation of the EAC in the present meeting:

In view of the comments from the EAC (industry-1 sector) on the proposed project, proposal was taken for the reconsideration in the present EAC meeting (34th) through video conferencing. EAC in the 34th meeting observed that PP could not attend the meeting because of some network issues, however, Consultant M/s MECON Limited, Ranchi joined the meeting. EAC in the present meeting after detailed deliberations on the comments from the EAC (Industry 1), **deferred the proposal** and directed PP through consultant to obtain “No

Increase in Pollution Load' certificate from the concerned State Pollution Control Board, as the case may be, as per the provisions given in Appendix –XIII of EIA Notification, 2006”

EAC also opined that while PP obtains and submit “No increase in pollution load” certificate, from the concerned state pollution control board, the matter may be referred by the Ministry to the Expert Committee dealing with Policy related issues for examining the matter on the applicability of the EC to the instant project in light of the provisions of the EIA Notification 2006 and as amended thereof and recommendations of the both Industry I and Violation committees.

LIST OF PARTICIPANTS IN 34TH MEETING OF EAC FOR THE PROPOSAL INVOLVING VIOLATION OF EIA NOTIFICATION, 2006 HELD ON 4TH JUNE, 2020 THROUGH VIDEO CONFERENCING

Sl. No.	Name	Designation	Attendance
1.	Dr. Satish R Wate	Chairman	P
2.	Dr. G.V. Subrahmanyam	Member	P
3.	Dr. A.L. Ramanathan	Member	P
4.	Dr. M.V. Ramana Murthy	Member	A
5.	Shri K Gowarappan	Member	P
6.	Dr. Dilip S. Ramteke	Member	P
7.	Dr. Poonam Kumria	Member	P
8.	Dr. Bharat Jain	Member	P
9.	Dr. Subrata Maity	Member	P
10.	Shri Ashok Agrawal	Member	P
11.	Shri Raghu Kumar Kodali	Scientist 'F' & Member Secretary	P