

**Minutes of 31<sup>st</sup> meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 28<sup>th</sup> February, 2020 at Conference Hall (Brahmaputra), First Floor, Vayu Wing, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003**

**Day 1: 28<sup>th</sup> February, 2020**

**Time: 10:00 AM**

31.1. Opening remarks of the Chairman

31.2. Confirmation of the minutes of the 30<sup>th</sup> meeting held on 3<sup>rd</sup> - 4<sup>th</sup> February, 2020 at Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

31.3 Proposal for consideration

**31.3.1 Proposed manufacturing unit of bulk drugs and intermediates at Plot No. E12, Chincholi MIDC, Taluk Mohol, District Solapur (Maharashtra) by M/s SreeKartikeyaKameshwari Industries – Further consideration of Environmental Clearance**

**[IA/MH/IND2/110313/2018 dated 14.10.2018] [F. No. 23-130/2018-IA.III ]**

The Project Proponent and the Accredited Consultant M/s. Equinox Environments (I) Pvt. Ltd. made a detailed presentation on the salient features of the project and informed that:

- i. The proposal is for Environmental Clearance (EC) to the proposed project of establishment of Bulk Drugs and Intermediates Manufacturing Unit at Plot No. E-12, Chincholi MIDC, Tal: Mohol, Dist: Solapur, Maharashtra by SreeKartikeyaKameshwari Industries (SKKI).
- ii. Standard ToR has been issued by Ministry vide letter no. 23-130/2018-IA-III (V) dated 20th July, 2018.
- iii. All Bulk Drugs and Intermediates Manufacturing Industry are listed at S.N. 5 (f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'B'. But due to applicability of General Condition i.e. the Great Indian Bustard (GIB) Sanctuary is located within 5 Km of the project area. Hence, the project is appraised at Central Level by Expert Appraisal Committee (EAC) as category A as per Ministry of Environment, Forest & Climate Change Notification No. S.O. 1598 (E), dated 25.06.2014.
- iv. Total plot area acquired by industry is 2.405 Ha.
- v. Industry will develop an area of 0.88 Ha under green belt during establishment of proposed project which accounts for 36 % of total plot area.
- vi. The estimated cost for proposed project is Rs.5.28 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 2.3 Crores and the Recurring cost (operation and maintenance) will be about Rs. 0.45 Crores per annum.

- vii. Total Employment is of 100 persons as direct as well as indirect under proposed SKKI project. Industry proposes to allocate Rs.0.15 Crores @ of 2.84 % of total investment towards Corporate Environmental Responsibility.
- viii. It is reported as per Form- I, that boundary of Great Indian Bustard (GIB) Sanctuary lies within 5 km distance. River Sina is flowing at a distance of 6 Km in South West direction.
- ix. Ambient air quality monitoring was carried out at 8 locations during February 2018 – April 2018 and submitted baseline data indicates that ranges of concentrations of PM10 (42.78 – 73.14  $\mu\text{g}/\text{m}^3$ ), PM2.5 (10.09 – 22.80  $\mu\text{g}/\text{m}^3$ ), SO<sub>2</sub> (10.96 – 30.85  $\mu\text{g}/\text{m}^3$ ) and NO<sub>x</sub> (13.58 – 40.06  $\mu\text{g}/\text{m}^3$ ) respectively. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 2.06  $\mu\text{g}/\text{m}^3$  PM10 (on South side), 0.016  $\mu\text{g}/\text{m}^3$  PM2.5 (on South side), 0.612 SO<sub>2</sub>  $\mu\text{g}/\text{m}^3$  (on South side) and 0.441 NO<sub>x</sub>  $\mu\text{g}/\text{m}^3$  (on South side). The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).
- x. Total water requirement for proposed project will be 208.68 CMD. Out of this, 195.68 CMD will be for industrial purpose, 5 CMD for domestic purpose and 8 CMD of gardening. Out of total water requirement 208.68 CMD, 120.3 CMD will be fresh water and 43.38 CMD will be recycled Process water after Distillation, 42 CMD will be treated water from ETP which will be used for industrial processes and 3 CMD will be treated water from STP used for flushing purpose. Water required for proposed operations shall be taken from MIDC water supply scheme.
- xi. The Stream I effluent generated would be to the tune of 49.57 M<sup>3</sup> / Day. Same comprise of effluent from manufacturing operations viz. process effluent and washing. This effluent will be treated in an ETP comprising of Screen Chamber, OG Removal Tank, Equalization Tank, Flash Mixer, Flocculator, Tube Settler, Holding Tank followed by Triple Effect Evaporator (TEE) and Agitated Thin Film Dryer (ATFD). The condensate from TEE to the tune of 48 M<sup>3</sup> / Day would be forwarded to Stream II for treatment. Further salts from TEE would be forwarded to authorized re-processor.
- xii. The Stream II effluents generated would be to the tune of 12 M<sup>3</sup> / Day, MEE condensate from Stream I of 48 M<sup>3</sup> / Day. Stream II effluent shall be contributed by DM back wash, boiler blow down, and cooling blow down. The same will be treated Screen Chamber, OG Removal Tank, Equalization Tank, Flash Mixer, Flocculator, Primary Tube Settler (PTS), MBBR Tank, Secondary Tube Settler (STS), Holding Tank, Filter Feed Tank, Sand and Carbon Filters and R.O. Unit & Sludge dewatering equipment. The treated water from stream II of 42 M<sup>3</sup> / Day would be recycled back for cooling make up. The RO reject 18 M<sup>3</sup> / Day will be sent to MEE in Stream-I treatment thereby achieving Zero Liquid Discharge (ZLD).
- xiii. Power required to the tune of 0.6 MW for the proposed unit would be taken from MSEB grid. Also, two D.G. sets of 250 KVA shall be installed and the same shall be used during power failure only.

- xiv. Under proposed unit one boiler of capacity 5 TPH each will be installed. Imported Coal to the tune of 30 TPD each will be used as fuel for the same. MDC followed by Bag Filter along with stack of 30 M height each will be installed to the same for controlling the particulate emission. One TFH of each having capacity 8 Lakhs Kcal/Hr will be installed on site. A stack of 18 M height will be installed to the same along with MDC followed by Bag filter as APC.
- xv. Public Hearing for the proposed project has been conducted by the State Pollution Control Board on 29.01.2019 at JaykumarPatilUdyog Bhavan, Plot No. P-7, MIDC, Solapur Industries, Association Building, MIDC Chincholikati, Tal.: Mohol, Dist.: Solapur. No major issues raised during the public hearing.
- xvi. Details of Certified compliance report submitted by RO, MoEF & CC: The project site has been inspected and certified by the Regional Officer; MoEF&CC, Nagpur during his visit on 28.09.2019 and certification report dated 01.10.2019 was forwarded by the Regional Office to MoEF&CC Nagpur.
- xvii. Status of Litigation pending against the proposal, if any: No
- xviii. Following are the list of proposed products:

PP along with the consultant made the detailed presentation in the 27<sup>th</sup> meeting held during **31<sup>st</sup> October 2019- 01<sup>st</sup> November 2019** before the EAC and informed that Manufacturing Industry are listed at S.N. 5 (f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'B' as it is located in the notified Industrial area. But due to applicability of General Condition i.e. the Great Indian Bustard (GIB) Sanctuary is located within 5 Km of the project area, the project is appraised at Central Level by Expert Appraisal Committee (EAC). EAC after detailed deliberation on the information submitted and as presented to the Ministry, deferred the project for want of following information:

1. ToR compliance to be submitted and presented before the EAC.
2. Public Hearing compliance to the issues raised along with the fund provision with time bound action plan to be submitted.
3. Risk Assessment study related to the storage of chemicals and some solvents used in the process and precautionary measures related to the odour.
4. Impact of VOCs emitted on flora and fauna, agricultural activities in the nearby area and measures to be taken for their protection.
5. Revised damage assessment considering all the environmental attributes and accordingly remediation plan to be submitted.
6. Reasons for high concentration levels of VOCs monitored during the monitoring period.
7. Monitoring details and analytical procedure adopted for VOCs estimation to be submitted.
8. Ultimate analysis of imported Coal used in the boiler to be submitted.
9. If briquette is to be used, calorific value along with the ash content to be submitted.
10. Layout plan showing the green belt to be submitted.
11. Details of proposed green belt to arrest the VoCs.
12. Duly filled in Annexures.

Compliance to above information as sought by the EAC was submitted to the Ministry on 12.01.2020. Accordingly, proposal was listed in the agenda of the 31<sup>st</sup> EAC meeting held on 28.02.2020 for further consideration of EC.

**Proponent did not attend the meeting.**

**31.3.2 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-Jorapokharcum-Sindri, District Dhanbad, Jharkhand – Terms of Reference**

**[F. No. J-11015/26/2019-IA.II(M)]**

The Project Proponent along with the NABET accredited consultant made a detailed presentation on the salient features of the project.

1. The project involves manufacturing/extraction of Coal of production capacity (1.2 Nominal/ 1.5 MTPA peak including expansion of existing washery up to 4.0 MTPA) 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(Yes/No)?[providenameofWL/CPA/ESA/Inter-stateboundary/International boundary and distance from theproject]: 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,,: 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 1<sup>st</sup> 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).

EAC 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. Load 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

**31.3.3 Giridih-Kabribad Group of Mines (1.3 MTY) of M/s Central Coalfields Limited located in District Giridih, Jharkhand - Further consideration for Terms of Reference**

**[IA/JH/CMIN/74445/2018 dated 13.04.2018] [F. No. 23-268/2018-IA.III (V) ]**

**Project was earlier considered in the 14<sup>th</sup> & 23<sup>rd</sup> EAC meeting. EAC in the meeting observed that Kabribad OCP & Giridih OCP are 9-10 km apart. Committee therefore asked PP to submit the revised Form 1 along with Prefeasibility report and other documents separately for two mines i.e for Kabirabad OCP of 90.84 ha & Giridih OCP 122.70 ha. Kabribad OCP & Giridih OCP in the present meeting are separated and discussed under the item 31.3.3a & 31.3.3b below, respectively.**

**31.3.3A Giridih OCP (1.0 MTY) of M/s Central Coalfields Limited located in District Giridih, Jharkhand – Further consideration for Terms of Reference**  
**[IA/JH/CMIN/74445/2018 dated 13.04.2018] [F. No. 23-268/2018-IA.III (V) ]**

The Project Proponent and the accredited consultant CMPDI, made a detailed presentation on the salient features of the project and interalia provided the following information:

1. Details of Project:

- |                    |           |
|--------------------|-----------|
| a) Name of Mineral | Coal      |
| b) Project Area    | 168.15 ha |

c) Village, Mandal, district Village- Kaharbari, Dhobidih, Gopai etc. Block- Giridih, District-Giridih

2. Category of the project: - A
3. Whether project attracts the General Condition specified in the Schedule of EIA Notification :- No
4. Details of river/water body- Name of the river/water body Distance from the project Direction Khakho river control the drainage of the block. The general flow of the streams is towards south. Most of the streams meet Barakar River at about 6 km south-west of the proposed OCP. The water level is very close to the surface during rainy season and about 20m below surface during dry season.
5. Details of forest issues: - No forest land involved.
6. Details of Consent to Operate:
  - (i) Whether Consent to operate obtained (Yes/No)? If yes, Yes
  - (ii) Date of issue 12.01.2020
  - (iii) Valid up to 31.12.2020
  - (iv) Submit Copies of all Consent to operate obtained since inception.
7. Mine Capacity in ROM (Run of Mine) :- 1.00 MTY
8. Whether the proposal is mining of Minor minerals project. :- No
9. Whether the proposal is mining of Major minerals project. :- Yes
10. No. of Mineral to be Mined with name :- 1 Coal
11. Details of mine lease: - Land acquired under nationalization.
12. Details of DGMS permission, if any: Permission granted vide letter dated 2016 of Directorate General of Mines Safety, Koderma region.
13. Details of past production of mine since its inception duly in tabular form:

<b>Year</b>	<b>Coal Production (Mte)</b>
<b>1993-94</b>	<b>0.23</b>
<b>1994-95</b>	<b>0.17</b>
<b>1995-96</b>	<b>0.20</b>
<b>1996-97</b>	<b>0.18</b>
<b>1997-98</b>	<b>0.20</b>
<b>1998-99</b>	<b>0.38</b>



<b>1999-00</b>	<b>0.26</b>
<b>2000-01</b>	<b>0.13</b>
<b>2001-02</b>	<b>0.15</b>
<b>2002-03</b>	<b>0.19</b>
<b>2003-04</b>	<b>0.32</b>
<b>2004-05</b>	<b>0.33</b>
<b>2005-06</b>	<b>0.37</b>
<b>2006-07</b>	<b>0.35</b>
<b>2007-08</b>	<b>0.35</b>
<b>2008-09</b>	<b>0.41</b>
<b>2009-10</b>	<b>0.40</b>
<b>2010-11</b>	<b>0.48</b>
<b>2011-12</b>	<b>0.49</b>
<b>2012-13</b>	<b>0.53</b>
<b>2013-14</b>	<b>0.50</b>
<b>2014-15</b>	<b>0.42</b>
<b>2015-16</b>	<b>0.45</b>
<b>2016-17</b>	<b>0.30</b>
<b>2017-18</b>	<b>0.45</b>
<b>2018-19</b>	<b>0.19</b>

14. Details of Violation : The project has no Prior EC and has exceeded the 1993-94 production.

15. The chronology of events for seeking EC,

(i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: Form-I Submitted on 13.04.2018.

(ii) Date of appraisal of EAC/SEAC meetings so far: Considered by EAC (Violation) meeting held on 23.10.2018 and 25.06.2019.

(iii) Observations/recommendations of the EAC/SEAC in each meeting: EAC (Violation) desired submission of proposals separately for Kabribad OC and Giridih OC.

(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: NA

(v) Complaint case filed by the State Government/State Pollution Control Board:  
NA

(viii) Legal interventions, if any :- NA

EAC observed that earlier combined proposal (Giridih-Kabribad OC Mine ) was considered in **14<sup>th</sup>** EAC meeting held on 23.10.2018. Project Proponent along with the consultant made the technical presentation and informed to the EAC that proposal for Giridih-Kabribad OC Mine involves total land area of 213.54 ha. After detailed presentation by PP, EAC noted that total mine area of 213.54 ha is comprises of two mines viz: 1) Kabribad OCP 90.84 Ha & 2) Giridih OCP 122.70 Ha which are almost 9-10 km apart. EAC **deferred** the proposal and asked the PP to submit revised Form 1 along with Prefeasibility report and other documents separately for two mines i.e for Kabirabad OCP of 90.84 ha& Giridih OCP 122.70 ha.

In compliance to the observation of EAC in the 14<sup>th</sup> meeting, PP vide letter dated 02.05.2019 submitted the ADS. Accordingly, proposal was taken up in the **23<sup>rd</sup>** meeting held during **25<sup>th</sup> - 26<sup>th</sup>, June 2019**. EAC in the said meeting observed that PP has now submitted the documents related to Kabirabad OCP only over a mining lease area of 169.45 Ha for 1.0 MTPA capacity. EAC after detailed deliberation on the information submitted, **deferred** the proposal for want of following information:

- i. Details of both the mines is to be submitted as suggested in the 14<sup>th</sup> EAC meeting.
- ii. Justification for increase in mine lease area of Kabirabad OCP from 90.84 ha to 169.45 ha is to be submitted to Ministry.
- iii. Violation details of Giridih OCP is to be submitted.
- iv. Past production details of both the mines is to be submitted.

Project Proponent vide letter dated 29.01.2020 submitted the revised Form 1 and PFR for both mines separately as suggested by the EAC. Accordingly, proposal was taken up in the agenda of the present EAC meeting (31<sup>st</sup>). PP along with the Consultant made the detailed presentation before the EAC on the ADS by the committee in the last meeting held on 23<sup>rd</sup> meeting. PP informed the following to the EAC:

- i. Giridih OCP (1.0 MTY) is operating mine located in Giridih coalfields of Central Coalfields Limited, Jharkhand.
- ii. Giridih Coalfield is one of the earliest coalfields in India. Mining activity in the coalfield started as early as 1871 by M/s Bengal Coal Company & then by 1State Railway and subsequently transferred to National Coal Development Corporation (NCDC) about 60 years back. Later in the year 1973, it came under the control of Central Coalfields limited (CCL), a subsidiary of Coal India Limited. Presently it is under the administrative control of Giridih Area of CCL.
- iii. This project is located in Giridih district, Jharkhand. Giridih OCP falls within the latitude 24° 10' 04" and 24° 10' 51" North and longitude 86° 14' 47" and 86° 15' 40" East. It is located about 6 Kms to the south of Giridih town.
- iv. Mining Plan & Mine closure Plan of Giridih OCP (1.0 MTPA/168.15 Ha) was approved by CCL board on 04.11.2019

After detailed presentation by the PP, EAC observed that PP has submitted these parate proposal along with the Form 1 & PFR. Giridih OCP has produced 0.23 Mt in 1993-94 and has gone up the 1993-94 production level in the year 1998-99, 1999-2000 and 2003-04 to 2017-18, hence instant mine is in violation of EIA Notification since 1998 onwards. EAC, further observed that the earlier combined proposal was submitted for 1.3 MTY of Coal production from the total mining lease area of 213.54 Ha (Kabirabad OCP of 90.84 ha& Giridih OCP 122.70 ha). Now, the proposal is submitted for 1.0 MTY Coal production from 168.15 Ha of Giridih Open Cast mine. EAC deliberated on the information submitted by the PP (Form1, PFR, ADS reply of 23<sup>rd</sup> meeting) and deferred the project proposal for want of following information:

1. Revised production details of the Giridih open cast mine to be submitted.
2. Revised Form 1 & PFR for extraction of Coal from a mining lease area of 122.70 Ha.

**31.3.3B Kabribad OCP (1.0 MTY) of M/s Central Coalfields Limited located in District Giridih, Jharkhand– Further consideration for Terms of Reference [F. No. 23-268a/2018-IA.III (V) ]**

The Project Proponent and the accredited consultant CMPDI, made a detailed presentation on the salient features of the project and interalia provided the following information:

1. Details of Project-
 

a)	Name of Mineral	Coal
b)	Project Area	169.45 Ha
c)	Village,Mandal, district	Village- Chunjka, Patrodih, Khandia, Chilga etc
	District: Giridih	
2. Category of the project :- A
3. Whether project attracts the General Condition specified in the Schedule of EIA Notification :- No
4. Details of river/water body-Name of the river/water body Distance from the project Direction :- The general flow of the streams is towards south. Most of the streams meet Barakar River at about 6 km south-west of the proposed OCP. The water level is very close to the surface during rainy season and about 20m below surface during dry season.
5. Details of forest issues: - No forest land is involved.
6. Details of Consent to Operate: Application for CTO has been applied online. Dt. 25.11.2019
7. Mine Capacity in ROM (Run of Mine) : Kabribad OCP: 01 MTPA.
8. Whether the proposal is mining of Minor minerals project :-No
9. Whether the proposal is mining of Major minerals project :- Yes.
10. No. of Mineral to be Mined with name:1 Coal

11. Details of mine lease: -Land is acquired under Nationalization.
12. Details of DGMS permission, if any: Permission granted vide letter dated 2016 of Directorate General of Mines Safety, Koderma region.
13. Details of past production of min since its inception duly in tabular form  
:

<b>Year</b>	<b>Kabribad OC Coal Production (Mte)</b>
<b>1993-94</b>	<b>0.297</b>
<b>1994-95</b>	<b>0.280</b>
<b>1995-96</b>	<b>0.195</b>
<b>1996-97</b>	<b>0.288</b>
<b>1997-98</b>	<b>0.249</b>
<b>1998-99</b>	<b>0.128</b>
<b>1999-00</b>	<b>0.078</b>
<b>2000-01</b>	<b>0.104</b>
<b>2001-02</b>	<b>0.110</b>
<b>2002-03</b>	<b>0.146</b>
<b>2003-04</b>	<b>0.122</b>
<b>2004-05</b>	<b>0.150</b>
<b>2005-06</b>	<b>0.137</b>
<b>2006-07</b>	<b>0.201</b>
<b>2007-08</b>	<b>0.403</b>
<b>2008-09</b>	<b>0.415</b>
<b>2009-10</b>	<b>0.371</b>
<b>2010-11</b>	<b>0.338</b>
<b>2011-12</b>	<b>0.234</b>
<b>2012-13</b>	<b>0.310</b>
<b>2013-14</b>	<b>0.431</b>
<b>2014-15</b>	<b>0.559</b>

<b>2015-16</b>	<b>0.331</b>
<b>2016-17</b>	<b>0.188</b>
<b>2017-18</b>	<b>0.250</b>
<b>2018-19</b>	<b>0.187</b>

14. Details of Violation: -The project has no Prior EC and has exceeded the 1993-94 production.

16. The chronology of events for seeking EC,

(i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: Form-I Submitted on 13.04.2018.

(ii) Date of appraisal of EAC/SEAC meetings so far: Considered by EAC (Violation) meeting held on 23.10.2018 and 25.06.2019.

(iii) Observations/recommendations of the EAC/SEAC in each meeting: EAC (Violation) desired submission of proposals separately for Kabribad OC and Giridih OC.

(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: NA

(v) Complaint case filed by the State Government/State Pollution Control Board: NA

(viii) Legal interventions, if any NA

**EAC observed that earlier combined proposal (Giridih-Kabribad OC Mine ) was considered in 14<sup>th</sup> EAC meeting held on 23.10.2018. Project Proponent along with the consultant made the technical presentation and informed to the EAC that proposal for Giridih-Kabribad OC Mine involves total land area of 213.54 ha. After detailed presentation by PP, EAC noted that total mine area of 213.54 ha is comprises of two mines viz: 1) Kabribad OCP 90.84 Ha & 2) Giridih OCP 122.70 Ha which are almost 9-10 km apart. EAC **deferred** the proposal and asked the PP to submit revised Form 1 along with Prefeasibility report and other documents separately for two mines i.e for Kabirabad OCP of 90.84 ha& Giridih OCP 122.70 ha.**

In compliance to the observation of EAC in the 14<sup>th</sup> meeting, PP vide letter dated 02.05.2019 submitted the ADS. Accordingly, proposal was taken up in the **23<sup>rd</sup> meeting held during 25<sup>th</sup> - 26<sup>th</sup>, June 2019.** EAC in the said meeting observed that PP has now submitted the documents related to Kabirabad OCP only over a mining lease area of 169.45 Ha for 1.0 MTPA capacity. Kabirabad OCP has produced 0.297 Mt in 1993-94 and has gone up the 1993-94 production level in the year 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2012-2013, 2013-2014, 2014-2015, 2015-2016, hence violation of EIA Notification. EAC after detailed deliberation on the information submitted, **deferred** the proposal for want of following information:

- i. Details of both the mines is to be submitted as suggested in the 14<sup>th</sup> EAC meeting.
- ii. Justification for increase in mine lease area of Kabirabad OCP from 90.84 ha to 169.45 ha is to be submitted to Ministry.

- iii. Violation details of Giridih OCP is to be submitted.
- iv. Past production details of both the mines is to be submitted.

Project Proponent vide letter dated 29.01.2020 submitted the revised Form 1 and PFR for both mines separately as suggested by the EAC. Accordingly, proposal was taken up in the agenda of the present EAC meeting (31<sup>st</sup>). PP along with the Consultant made the detailed presentation before the EAC on the ADS by the committee in the last meeting held on 23<sup>rd</sup> meeting. PP informed the following to the EAC:

- i. Kabribad OCP is an existing project in Giridih area, Central Coalfields Limited. This proposal has been prepared for 1.00 MTY within the project area of 169.45 Ha.
- ii. Giridih Coalfield is one of the earliest coalfields in India. Mining activity in the coalfield started as early as 1871 by M/s Bengal Coal Company & by then State Railway and subsequently transferred to National Coal Development Corporation (NCDC) about 60 years back. Later in the year 1973, it came under the control of Central Coalfields limited (CCL), a subsidiary of Coal India Limited. Presently it is under the administrative control of Giridih Area of CCL. This proposal is put up for a rated capacity of 1.00 MTY within the project area of 169.45 Ha.
- iii. The proposed Kabribad OCP is located in the Giridih Coalfield and falls in the Giridih District of Jharkhand. Kabribad OCP falls under the administrative control of Giridih Area of Central Coalfields Limited (CCL). It is bounded by latitudes 24° 8' 47" to 24° 9' 57" North and longitudes 86°17' 38" to 86°18' 39" East. The block is covered in Survey of India toposheet no. 72L/8 (in 1:50,000 scale).
- iv. PP apprised EAC about the justification for increase in mining lease area of Kabribad OCP from 90.84 ha to 169.45. PP submitted that initially Kabribad OCP & Giridih OCP were planned as cluster. As per the direction of EAC, separate mining plan were prepared by CMPDI for both Giridih OCP & Kabribad OCP. The mining plan of Kabribad OCP was prepared for 169.45 Ha by CMPDI and approved by CCL in the 479<sup>th</sup> meeting

After detailed presentation by the PP, EAC observed that PP has submitted the separate proposal along with the Form 1 & PFR. EAC, further observed that the earlier combined proposal was for **1.3 MTY** of Coal production from the total mining lease area of 213.54 Ha (Kabirabad OCP of 90.84 ha & Giridih OCP 122.70 ha). Now, the proposal is submitted for **1.0 MTY Coal production from 169.45 Ha of Kabribad Open Cast mine**. EAC deliberated on the information submitted by the PP (Form1, PFR, ADS reply of 23<sup>rd</sup> meeting) and opined that justification submitted by the PP regarding an increase in mining lease area from 90.84 ha to 169.45 Ha is not convincing. EAC therefore **deferred** the project proposal for want of following information:

1. Revised production details of the Kabribad open cast mine to be submitted.
2. Revised Form 1 & PFR for extraction of Coal from a mining lease area of 90.84 Ha.

**31.3.4 Sponge Iron Plant (4X100 TPD), Induction furnace (2×12T +1X12T), Rolling Mill (90,000 TPA) and 18 MW power plant [6 MW WHRB, 2 MW Coal char based and 10 MW Coal based] of M/s Jharkhand Ispat Private Limited located at Hesla, P.O. Argada, District Ramgarh, Jharkhand – Terms of Reference  
[F. No. J-11011/41/2013-IA.II(I)]**

**Project proponent did not attend the meeting.**

**31.3.5 Sandstone &Khanda Mine (ML No. - 9/ 2000, Area 32.10 Ha) for proposed production capacity of 1,18,000 TPA of ROM of M/s Gopal Ram Kashyap, Village Bhidyani&Sajjanwas, Tehsil Rupbas, District Bharatpur, Rajasthan - Further consideration for Terms of Reference**

**[IA/RJ/MIN/74350/2018 dated 12.04.2018] [F. No. 23-249/2018-IA.III (V)]**

**Details submitted by the Project Proponent**

1. The Proposal is of M/s Gopal Ram Kashyap for Sand Stone Mine for total excavation 1,18,000 TPA [including 1,00,000 TPA Mineral and 18,000 TPA waste] from mining lease area (in 32.10 Ha.) located in the Village(s) - Bhidyani & Sajjanwas, Tehsil - Roopwas, District - Bharatpur, State- Rajasthan.
2. Project Background The Proposal of M/s Gopal Ram Kashyap is for production of 1,18,000 TPA of total excavation/ ROM (1,00,000 TPA of the Minerals from Sand Stone and Khand Mine, ML Area:- 32.10 Ha, located at Khasra No. 76, 47, at Village(s) – Bhidyani & Sajjanwas, Tehsil - Roopwas, District - Bharatpur, State- Rajasthan. The mining lease is on Survey of India Toposheet no. 54F/9. The area is bounded between the coordinates Latitude: - 26°58'52.78" N to 26°59'4.6" N and Longitude:-77°36'11.79" E to 77°37'00.5" E.
3. The said project/activity is covered under category 1(a) of item B of the Schedule to the EIA Notification, 2006 as amended dated 14.08.2018, and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee because of the applicability of the general condition.
4. Application was made online vide proposal no. IA/ RJ/ MIN/ 74350/ 2018 dated 12.4.2018 under violation category for Term of References (ToR) in terms of provision of the Ministry's Notification S.O. 804 (E) and submitted Form-1 and PFR.
5. Details of Minerals: Number of minerals. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor). Number of minerals: - One. Mineral is minor. Status of mineral was minor before 2006.
6. Letter of Intent (LoI)/Mining Lease Details the Mining Lease was originally sanctioned in favour of Sh. Rajai Ram S/ o Sh. Mohan Niwas on 09.03.1976. After demise of lessee Sh. Rajai Ram, the lease was transferred to his legal heir Sh. Bhairon Singh for a period of twenty years w.e.f. After demise of lessee Sh. Bhairon Singh, the lease was transferred in favour of Gopal Ram Kashyap vide Govt. order no. 2168 – 80 dated 21.01.2011.
7. Method of Mining & Mining Plan Details
  - The Mining Plan was approved from the Office of the Superintending Mining Engineer, Bharatpur Circle, DMG, Bharatpur dated 31.01.2019 as per which the method of mining will be opencast manual etc.

- Drilling and Blasting: - No drilling and blasting is proposed as the mineral is loosed in nature and will be done manually.
  - Bench Height and Width:-The height and width of the benches will be 3m and slope of the faces will be kept at 75°
  - Ultimate Pit Limit:- 158MSL
  - Ultimate Pit Slope:- 45°
  - Intersection of ground water table:-. Water table will be encountered during the life of mine. The water table in pre-monsoon is 166 MSL and post – monsoon is 168 MSL. The working depth in first year will be 180 MSL and in five year will be 180 MSL and ultimate pit limit will be 158 MSL. Water table will not be encountered in next twenty years. In future (after twenty years), water table will be intersected (if any); permission from CGWA will be obtained. Source: - Approved Mining Plan with PMCP dated 31.01.2019.
  - Water requirement- for the project 23 KLD, plantation details-and green belt details- 14.0ha. area will be covered under plantation with 14,000 plants.
8. Other Waste Generation, if any 5kg/day of municipal waste will be generated which will be sent to Nagar Parishad, Bharatpur.
  9. Land use (Forests/Agricultural/Waste) No agriculture and forest land is involved within lease area. The lease area is Gair Mumkin Pahar as per revenue records.
  10. Detail of past production since inception of mine authenticated by DMG The past production record has been duly authenticated from the Office of the Mining Engineer, Bharatpur.
  11. Applicability of General Condition & Status of SEIAA Interstate Boundaries: - Rajasthan and Uttar Pradesh:-3.60 Km towards N.
  12. Project Cost & Employment Project Cost: Rs. 10 Lacs; Employment -50 Workers. The CER under different heads & budget details with respect to safety and environmental quality plantation programme and awareness will be elaborated by need based assessment and will be incorporated during the submission of Final EIA/ EMP report.

EAC observed that proposal was earlier listed in the agenda of 13<sup>th</sup> meeting held on 18<sup>th</sup> -20<sup>th</sup> September 2018. However, Project proponent did not attend the meeting. Again proposal was listed in the agenda of the 25<sup>th</sup> meeting **held during 29<sup>th</sup> -30<sup>th</sup> August 2019**. Project proponent along with the consultant made the detailed presentation before the EAC. PP in the 25<sup>th</sup> meeting made a request to transfer the proposal to the SEIAA in pursuance of the Ministry Notification dated 14.08.2018 as General Condition is not applicable to the project of B1 category in cluster. PP informed that mine lease was granted prior 2013. Member Secretary apprised EAC that a cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area shall be applicable to the mine leases or quarry licenses granted on and after 9<sup>th</sup> September 2013. In the instant case as per the PP, lease was granted prior to 2013 therefore cluster situation is not applicable hence General Condition is applicable and proposal shall be appraised by the EAC at the Central level. EAC deliberated on the submission made by the PP in 25<sup>th</sup> meeting and deferred the proposal for want of following information:

1. Valid mine lease documents to be submitted for confirming whether mine leases or quarry licenses granted on and after 9<sup>th</sup> September 2013.



2. If cluster is applicable for this project, cluster certificate shall be submitted from the Department of Mines and Geology.
3. Past production details for both the minerals (Sandstone & Khanda) authenticated by the State DMG.
4. Details of total excavation including mineral, waste, OB etc to be submitted along with the revised Form 1.
5. Transfer lease documents to be submitted.

Above information was submitted by the PP online vide letter dated 03.12.2019. Accordingly, proposal was listed in the agenda of the 29<sup>th</sup> meeting held during 30-31<sup>st</sup> December, 2019. EAC in the said meeting deferred the project as PP did not attend the meeting. On request of PP, proposal was listed for further consideration in the present meeting (31<sup>st</sup>) held on 28.02.2020. PP made the detailed presentation before the EAC on the ADS in the 25<sup>th</sup> meeting. EAC observed that PP submitted the production details since 1993-94 and as per the production details PP in 1993-94 had produced 146 TPA & 45 TPA of Sandstone & Khanda, respectively. Further production in the year 1994-95 was increased to 414 TPA & 72 TPA of Sandstone & Khanda, respectively. However, as the present mineral is a minor mineral, PP was required to take the EC from 2006-2007 as minor minerals were not covered in the EIA Notification 1994. Hence present mine is under violation since 2006-2007 onwards.

The EAC, after detailed deliberations in the present meeting (31<sup>st</sup>) on the proposal in terms of the provisions of the MoEF&CC Notification dated 14<sup>th</sup> March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

- i. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC
- ii. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter 13 in the EIA report by the accredited consultants.
- vi. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly
- vii. EIA/EMP report shall be prepared taking cognizance and impacts (Cumulative) of the adjacent mines leases, if any.
- viii. In case of violation of undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
- ix. Public Hearing (PH) shall be conducted as per the provisions in the EIA Notification 2006 and as amended thereof
- x. One season base line data of all the environmental attributes shall be collected and incorporated in EIA/EMP report.
- xi. The PP should also address the all the issues raised during the already held public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
- xii. Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
- xiii. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
- xiv. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
- xv. Details of benefit accrued during the violation period along with capital cost of the project are to be submitted.
- xvi. Plan showing total mining lease area showing non forest land involved, if any and Non forest land involved in the proposed project with colour index.
- xvii. Conservation plan shall be prepared for the Schedule I species, if any in the study area and shall be submitted for the approval of Chief wildlife warden of State Government;
- xviii. Details of LULC along with statutory plantation (Extsting/Proposed) and Green Belt development plan;
- xix. Copy of permission obtained from concerned state Ground water department /CGWA for Ground water withdrwaawl

- xx. Approved Mine plan to be submitted.
- xxi. DGMS permission is to be submitted for blasting, if any.
- xxii. Details as per Annexure XI as mentioned in the agenda shall be submitted.
- xxiii. DSR is to be prepared for all minerals

**31.3.6 Expansion of Surda Copper Mine from 0.39 million TPA to 0.9 million TPA (ROM) 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)– Environmental Clearance.**

**[IA/JH/MIN/145023/2020 dated 27.02.2020] [F.No. 11015/80/2012- IA.II (M)]**

Project proponent along with the consultant MECON Limited, Ranchi Jharkhand, NABET accredited made the detailed presentation and interalia provided the following information:

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 14<sup>th</sup> 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 of the Project**

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 15.07.2017and 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 new or expansion project. If expansion: (i) from *0.31738 MT* to *0.9 MT*  
(ii) What is the % of expansion: *283.7%*
  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: (Open cast/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 Gharaduba Nala. 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 Kankuram Nala , 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 Kankuram nala.*

Details of mine lease:-

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

### **TECHNICAL DETAILS**

21. Geological Reserve:
  - (i) Total geological reserve: *28.57 Million Tonnes*
  - (ii) Mineable reserve: *2.85 Million Tonnes*
  - (iii) Extractable reserve: *20 Million Tonnes*
  - (iv) Per cent (%) of extraction: *70%*
  - (v) Range of ground water level: *12 – 16 m below ground level*
  - (vi) Total estimated water requirement: *2740 m<sup>3</sup>/day industrial water + 160 m<sup>3</sup>/day potable water*
  - (viii) Details of intersecting ground water level: *Ground water table intersected. Expected that 500 m<sup>3</sup>/day will seep into expanded mine.*
22. 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*
23. Method of mining: *Underground mining by Horizontal Cut & Fill, Room & Pillar and Post Pillar Methods*
24. Life of mine: *30 Years*
25. 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*
26. 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 1<sup>st</sup> time.*
27. 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*
  - (ii) 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 back filling: *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 runoff water being utilized: *No.*
28. Details of Internal Dumps: *Not Applicable*
29. Utilization potential of wastes
- (i) Within the mines: *100% (all waste rock is utilised for stowing in underground voids)*
  - (ii) Outside mines: *Not Applicable*
30. Details of final Mine Voids
- (i) Area: *Project is underground mine with stowing*
  - (ii) Depth: *600 m*
31. Details of Quarry:
- (i) Total quarry area : *Not Applicable as project is underground mine*

(ii) Green belt created in ha.: 18.79 ha

32. Details of Land usage

**LANDUSE DETAILS**

(i) Pre-mining

S. No.	Land Use	Within ML Area	Outside ML Area (Ha)	Total
1.	Agriculture land	111.048		111.048
2.	Forest land	149.03	-	149.03
3.	Wasteland	-		-
4.	Grazing Land	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
	<b>TOTAL</b>	<b>388.68</b>		<b>388.68</b>

(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 (including 7.5 m along ML boundary 5.24km i.e. 3.501 ha)	18.79	18.79
10.	Balance unused land	333.11	322.35
	<b>Total</b>	<b>388.68</b>	<b>388.68</b>

33. Details of Forest issues

- (i) Total forest area involved (in ha) 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 10 km radius? If so, give the details.: *No*
- (v) Extent of forest land in the project (including safety zone and all types of forest land) (in ha): *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 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 earlier FC granted
<i>203.62</i>	<i>Letter no.8-64/93-FC(I) dated 11-04-1997</i>	<i>Co-terminus with mining lease</i>

- (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;  
*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.*

34. Costs of the project :

- (i) Total capital Cost: *Rs. 203 Crores*  
Cost of Production: *~Rs1457 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*

35. 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 crop land acquired. No cropland will be acquired*

36. 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*

37. 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) Green belt ( in ha): *18.79 ha*
  - (iv) Density of tree plantation ( in no of plants): *~1600 trees / ha*
  - (v) Void ( in ha) at a depth of ( in m )which is proposed to be converted into water body: ),: *Not Applicable*
  - (vi) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).
  - (vii) Agriculture and horticulture: *111.048 ha of agricultural land in ML area left untouched.*
  - (viii) Fisheries: *Not Applicable*
  - (ix) ECO Tourist/recreation spot: *Nil*

**III. LEGAL ISSUES**

38. 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). MMRD Act: *None*
- (v). The Factories Act: *None*
- (vi). Other land R&R related cases: *None*

39. 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)
<b>1993 - 94</b>		<b>0.317238</b>	<b>0.317238</b>	<b>0</b>
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 as the mine did not have EC. The highest annual copper ore production achieved prior to 1994 was 400,008 tonnes in 1989 - 90.	0.293997	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

### **PUBLIC HEARING ISSUES**

40. Date and Place of public hearing: *15<sup>th</sup> Dec., 2015 at Vocational Training Centre of Surda Mine (within ML Area)*
41. The designation of officer presided our the PH: *Addl. District Magistrate, East Singhbhum District*

### **Consultant:**

42. Name of the EIA consultant who prepared the EIA/EMP report.: *MECON Ltd.*
43. Whether the consultant has been accredited by the QCI and NABET as per the MoEF OM dated 2nd December, 2009.: *Yes*

EA deliberated on the information as presented and as submitted to the Ministry (Form 2, EIA/EMP report, PH details). 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 Expansion of Surda Copper Mine from 0.39 million TPA to 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 deliberation on the proposal **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.
- 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

#### **31.3.4: Discussion on any other item with permission of the Chair:**

Mining of Mica, Quartz and Feldspar of production capacity 1500 TPA of Mica, 1500 TPA of Quartz, 6000 TPA of Feldspar (Max) in a mining lease area of 116.428 Ha at Sy no. 153, 160/P, 161 & 165/P, Kalichedu Village, Sydapuram Mandal, S.P.S.R Nellore District, Andhra Pradesh by M/s Sree Kalyana Rama Company - **Further consideration for Environmental Clearance**

Above proposal of **M/s Sree Kalyana Rama** Company was considered in the 30<sup>th</sup> EAC meeting under Item 30.4.1. EAC noted that instant proposal was *recommended for Environmental Clearance subject to the **submission of DSR as per the Appendix X of the EIA Notification and as amended thereof and the compliance of specific conditions in addition to all Standard conditions applicable for such projects.***

EAC observed that PP has submitted the letter dated 18.02.2020 from Principal Secretary to Govt., (Mines) & Director of Mines and Geology wherein it has been mentioned that the Dept. of Mines and Geology entrusting the work of preparation of District Survey Reports in the State of Andhra Pradesh to Andhra Pradesh Space Application Centre (APSAC). The same was completed and submitted report to this department in month of July, 2018 and made available in Public Domain. Then onwards no further DSR is prepared till date.

In view of above, EAC discussed the above DSR submitted by Project proponent and accepted the same for grant of Environmental clearance.

Members of the EAC for the proposal involving violation of EIA Notification, 2006 present during 31<sup>st</sup> meeting held on 28<sup>th</sup> February, 2020 at MoEF&CC, New Delhi and approved the above minutes.

Sl. No.	Name of the EAC member	Role/Designation	Signature
1.	Dr. S.R. Wate,	Chairman	
2.	Dr. G.V. Subrahmanyam	Member	
3.	Dr.A.L. Ramanathan	Member	
4.	Dr. M.V. Ramana Murthy,	Member	
5.	Shri K Gowarappan	Member	
6.	Dr.Dilip S. Ranteke,	Member	
7.	Dr. Poonam Kumria,	Member	
8.	Dr.Bharat Jain,	Member	
9.	Dr.Subrata Maity,	Member	
10.	Shri Ashok Agrawal	Member	
11.	Shri Raghu Kumar Kodali	Member Secretary	