

The 328<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 08<sup>th</sup> September, 2018 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Shri Prasant Srivastava, Member.
4. Dr. R. Maheshwari, Member.
5. Dr. Rubina Chaudhary, Member.

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations.

1. **Case No. – 2853/2015 Shri Mukul Khampariya, Mahagawan Road, Khitola, Post-Sihora, Jabalpur (MP)-483225 –Bijiyan Iron Ore & Manganese Deposit Lease Area- 27.610 ha., Proposed Maximum Production of Iron ore is– 1,54,683 TPA and Manganese Ore 5309 TPA, Total Production- 1,59,992 alongwith beneficiation plant of 5,00,000 TPA.at Khasra No. – 101, Village-Bijiyan, Tehsil-Sihora, District-Jabalpur (MP).**

This is a case of mining of Bijiyan Iron Ore & Manganese Deposit and beneficiation of the ore within the lease area. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the proposed project. The salient features of the project, PFR and proposed TOR were presented by the PP and his consultant before the committee in this meeting. It is revealed that, the proposed site is located Khasra No. – 101, Village-Bijiyan, Tehsil-Sihora, District-Jabalpur (MP) - 27.610 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was discussed in the 209<sup>th</sup> SEAC meeting dated 24/07/2015 wherein after deliberations committee approved *standard TOR in prescribed by MoEF & CC with addition of following points:*

1. *Contour study with mitigation plan for protection of water bodies with in 10 Km radius around the site to dealt in detail.*
2. *Evacuation plan to be detailed out with protection / mitigation measures where ever required.*
3. *Special plan for house keeping with special reference to the drainage management plan within the lease area supported with maps and drawings.*
4. *Plans for controlling the fugitive emissions from the project.*
5. *Satellite imagery with high resolution to be furnished.*

PP vide letter dated 24/06/2017 has requested for amendment in TOR submitting that in Form-1, PFR and TOR presentation the production capacity of Iron Ore was 1,54,683 TPA and Manganese Ore was 5309 TPA with total capacity of 1,59,992 with beneficiation plant of 5,00,000 TPA while in the TOR letter issued to was issued to him only for 1,54,683 TPA.

The case was presented by the PP in the 297<sup>th</sup> SEAC meeting dated 08/11/2017, wherein PP submitted that their total quantity should be amended from 1,54,683 TPA to 1,59,992 TPA for Iron and Manganese ore. The committee on perusal of case files, presentation made by the PP earlier, minutes of 209<sup>th</sup> SEAC meeting dated 24/07/2015 and TOR letter issued by the SEAC vide letter no. 1401 dated 09/09/2015 observed that it's a typographical error and amended TOR may be issued to PP for Iron Ore 1,54,683 TPA and Manganese Ore 5309 TPA with total capacity of 1,59,992 along with beneficiation plant of 5,00,000 TPA.

PP has submitted the EIA report vide letter dated 23/07/2018 which was forwarded through SEIAA vide letter no.-1187 dated 24/07/2018.

Earlier this case was scheduled for the EIA presentation in the 323<sup>rd</sup> SEAC meeting dated 18/08/2018 wherein it was recorded that: neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

Today, this case was scheduled for the EIA Presentation wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in SEAC 323<sup>rd</sup> SEAC meeting dated 18/08/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

- 2. Case No. 3231/15 Shri Anup Agarwala, Director, M/s Ma Kali Iron & Steel Company Pvt. Ltd., 84, Makers Chambers-III, Nariman Point, Mumbai-400021 (MS) Prior Environment Clearance for approval of Iron Ore Mine Lease Area - 11.56 ha., Capacity - (24,000 cum/year) at Khasra No.-716/2kha,3kha, 4kha, 5kha, 6, 7, 8, 9, 716/2 Gh-; Total Area-1.07; Ownership-G.R.F.L. Khasra No.-716/2 th , 3gh,4ga,6ga,6ka, 7ka,8ka, 9ka; Total Area-10.49 Ha., Capacity - Pahadi, Tehsil-Katni, District-Katni (MP). EIA Presentation, (ENV. Consultant Srushti Seva Private Limited.)**

This is case of Iron Ore mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-716/2kha,3kkh, 4kha, 5kha, 6, 7, 8, 9, 716/2 Gh-; Total Area-1.07; Ownership-G.R.F.L. Khasra No.-716/2 th , 3gh,4ga,6ga,6ka, 7ka,8ka, 9ka; Total Area-11.56 Ha., Capacity-;Pahadi, Tehsil-Katni, District-Katni (MP) 1.490 ha. The project requires prior EC before commencement of any activity at site.

This is case of Iron Ore mining where TOR is to be issued in the 217<sup>th</sup> SEAC meeting dated 23/08/2015. After deliberations following TORs were issued by the committee in addition to the standard TORs prescribed by the MoEF & CC:

1. Natural drainage system of the project site as Sumrar dam is 3 Kms away and simultaneously its protection plan also be discussed.
2. Details of over burdens, its stacking, stabilization details, and storage method along with protection plan be discussed.
3. Transportation of materials from site.
4. Methods to prevent mine runoff in nearby agricultural fields.
5. Details of water balance.

PP has submitted EIA Report vide letter no. MKISCPL/MoEF&CC/024 dated 20/08/2018 which was forwarded through SEIAA vide letter no. 1319 dated 25/08/2018.

EIA was presented by the PP and their consultant presented, where in PP stated that they have obtained requisite **Forest Clearance Stage – I** vide letter no. F-1/416/06/10-11/1125 dated 03/05/2014 and **Forest Clearance Stage - II**, this was approved under section 2 (III) of Forest (Conservation) Act, 1980 vide letter 6-MPC 026/2009/Bho/009 dated 05.01.2017. The salient features of the project are as given below:

**Mining Details:**

| Sr. No. | Particulars                         | Details                 |
|---------|-------------------------------------|-------------------------|
| 1       | Method of Mining                    | Opencast                |
| 2       | Production capacity per year        | 24,000 TPA Iron Ore     |
| 3       | Total Mineable Reserves & Resources | 0.36 Million Tonnes     |
| 4       | Life of Mine                        | 16 years                |
| 5       | No. of Benches                      | 2/3                     |
| 6       | Bench Height and width              | 3 m Height & 6m Width   |
| 7       | Elevation Range                     | 390 m - 414 m above mSL |

|    |  |   |
|----|--|---|
| 8  | Ground Water Table   | 2.0 m bgl during monsoon season<br>25.0 m bgl during pre-monsoon season |
| 9  | Ultimate Working Depth   | 20 m i.e. up to 380 mRL   |
| 10 | Overall Pit Slope  | 45°   |
| 11 | Stripping ratio  | 1: 1.22 (Max.)  |
| 12 | Number of Working Days   | 300 days with one shift only  |
| 13 | Total waste during plan years  | Overburden : 62,655 m <sup>3</sup><br>Mineral Reject : 2,009 Tonnes     |
| 14 | Total waste generation at the end of life of mine(Conceptual Period) | Overburden : 9,62,655 m <sup>3</sup><br>Mineral Rejects : 56,009 Tonnes |

### **Reserves, Grade & Mining Methodology**

- Net Geological reserves : 0.54 Million tones (Proved Reserves 0.28 Mt + 0.25 Mt Probable and Possible Reserves)
- Net Mineable reserves : 0.36 Million tones.

| <b>Grade</b>       |                                     |                         |                    |
|--------------------|-------------------------------------|-------------------------|--------------------|
| <b>Fe%</b>         | <b>Al<sub>2</sub>O<sub>3</sub>%</b> | <b>SiO<sub>2</sub>%</b> | <b>P%</b>          |
| <b>59.51-66.92</b> | <b>0.99-1.67</b>                    | <b>1.90-3.85</b>        | <b>0.027-0.043</b> |

- During the process of mining the overburden & soil will be removed and will be stored properly to the dumping site within the lease area.
- The drilling and blasting will be carried out for mining of in-situ iron ore bed.
- To avoid flying of rocks muffled blasting will be adopted.
- The iron ore produced will not be subjected to beneficiation, except for manual dressing and sizing of the ore.
- The lateritic top soil will be scrapped manually and stacked separately for its reuse in plantation.
- During blasting, the lateritic overburden (OB) will be generated which will be transported outside the pit on the southern side and dumped on non-mineralised area by tipper.

**Mining Methodology:**

- The proposed method of mining will be operated as manual/semi mechanized opencast method.
- The bench height will be 3 m and width will be 6 m. The conceptual working depth will be upto 20 m.
- The blasted Iron ore will be sized manually. The sized Iron ore will be stacked properly. To avoid flying of rocks muffled blasting will be adopted.
- The Iron ore produced will not be subjected to beneficiation, except for manual dressing and sizing of the ore.
- During the process of mining the overburden/soil/rejects will be stored properly to the dumping site within lease area.

**Drilling & Blasting:**

- The drilling will be carried out by 30 mm dia. Jack Hammer with 1.5 m depth and spacing will be 1.5 m x 1.5 m.
- Controlled blasting will be conducted.
- NONEL system of initiation shall be followed to minimize the Noise & Vibrations.
- Type of Explosive – Slurry, non-electric or ordinary detonators and detonating fuse.

**Waste Generation and Management**

| <b>Year</b>   | <b>Overburden (m<sup>3</sup>)</b> | <b>Mineral rejects (Tonnes)</b> |
|---|-----------------------------------|---------------------------------|
| First 5 years   | 62,655                            | 2,009                           |
| During subsequent years @ avg. 2.5 m/tonne overburden and 15% mineral rejects | 9,00,000                          | 54,000                          |
| <b>Total</b>  | <b>9,62,655</b>                   | <b>56,009</b>                   |

- The waste material generation would be about 15% of the total excavation including overburden and soil.

- These wastes would be used for reclamation of worked out area in future.
- Most of the area worked out would be reclaimed with slight deviation.
- Over this reclaimed land, plantation will be carried out to enhance the environment

**Stage Wise Land Use:**

| S. No. | Heads                     | Present (Ha) | At the end of 5 years (Ha) | At the end of conceptual period (Ha) |
|--------|---------------------------|--------------|----------------------------|--------------------------------------|
| 1      | Area under pits           | 0.09         | 1.22                       | 1.31                                 |
| 2      | Area under dumps          | Nil          | 3.38                       | 3.38                                 |
| 3      | Area under road           | 0.04         | 0.09                       | 0.13                                 |
| 4      | Area under buildings etc. | Nil          | 0.015                      | 0.015                                |
| 5      | Area under storage        | Nil          | 0.16                       | -                                    |
| 6      | Area under plantation     | Nil          | 0.11                       | 4.42                                 |
| 7      | Undisturbed area          | 11.43        | 6.59                       | 2.31                                 |
|        | Total                     | 11.56        | 11.56                      | 11.56                                |

**Post Mining Land Use pattern:**

- The mined out pit, after confirming the exhaustion of mineral will be converted into Water reservoir with proper fencing.
- Plantation area shall be maintained @ 33% of the lease area with local tree species.

**Water Requirement:**

- The water requirement of the project is estimated to be 13.2 m<sup>3</sup>/day. 10 m<sup>3</sup>/day of the water is required for dust suppression (within the lease and outside the lease on transport route), 2 m<sup>3</sup>/day required for plantation and 1.2 m<sup>3</sup>/day water is required for drinking purposes.
- The water requirement will be met from tanker water supply and rainwater collected in mining pit.

**WATER REQUIREMENT BREAKUP**

| (A) | Industrial       | Quantity m <sup>3</sup> /day | Source               |
|-----|------------------|------------------------------|----------------------|
| 1.  | Dust suppression | 10.0                         | Tanker and Pit Water |
| 2.  | Green belt       | 2.0                          |                      |

|     |                          |             |        |
|-----|--------------------------|-------------|--------|
|     | <b>Sub Total (A)</b>     | <b>12.0</b> |        |
| (B) | Drinking/Domestic        | 1.2         | Tanker |
|     | <b>Sub Total (B)</b>     | <b>1.2</b>  |        |
|     | <b>Grand Total (A+B)</b> | <b>13.2</b> |        |

### Liquid Effluent:

**Mine Water Effluent:** There is no effluent generation. Rain water accumulated in the pit during monsoon. The treated water will be used for afforestation / plantation, dust suppression etc.

| Sr. No. | Purpose           | Avg. Demand (Liters/day) | Source               |
|---------|-------------------|--------------------------|----------------------|
| 1       | Dust Suppression, | 10000                    | Tanker and Pit water |
| 2       | Plantation        | 2000                     | Tanker and Pit water |
| 3       | Drinking          | 1200                     | Purchased water      |
|         | Total             | 13200                    |                      |

### Hydrogeology of the Study Area

- Detailed Hydrogeological studies in respect of Core Zone (0.11 km<sup>2</sup>) and Buffer Zone (314 km<sup>2</sup>) have been carried out.
- The annual normal rainfall of study area considered for Katni station is 1268 mm.
- The water level in buffer zone during pre-monsoon is varies between 7 m to 10 m bgl average 8.4 m bgl,
- The stage of groundwater development of Katni Block estimated by CGWB (2013) is 54%.  
The area is under safe category.

### Biodiversity:

- The local varieties of tree like Palas, Jamun, Babul, Neem, grasses and shrubs are main vegetation in the area. The mining lease is devoid of any trees and wildlife is rare in the area.
- Reserved Forest lies in the Buffer zone consisting of Palas, Mahua, Arjun, Aam, Chichwa, Jamun, Karanj, Neem trees etc.

- ❑ Agriculture is the main occupation of the study area. Main crop grown in the area is Rice, Maize, Wheat, and Blackgram.
- ❑ Inquiries were made with local villagers in adjoining area about the availability or sighting of wild animals. Based on information, there has been no endangered species of the wildlife fauna. The normal species of birds were observed by the team during study period. No rare or endangered faunal species was found during the survey. No Wildlife Sanctuary or National Park is located in this area.

### **AIR QUALITY MANAGEMENT**

- Iron ore will be covered by tarpaulins to prevent spread of dust during transportation.
- The internal roads will be frequently sprinkled with water for which truck mounted water tankers with sprinkler arrangement will be provided.
- Efficient in-built wet drilling system shall be provided in the drills.
- Controlled blasting shall be carried out.
- Haulage road shall be adequately sprayed with water by either water tanker or water sprinkler.
- Dust masks shall be provided to the workers.
- Green belt shall be developed along the mine lease boundary and plantation will be carried out along the haul roads, reclaimed area etc. to arrest dust.
- Periodical monitoring of ambient air quality shall be carried out.

### **Noise & Vibration Management**

- Drilling shall be carried out with the help of sharp drill bits which help in reducing noise.
- Secondary blasting shall be avoided.
- Controlled blasting with proper spacing, burden, stemming and optimum charge/delay shall be maintained.
- The blasting shall be carried out during favourable atmospheric condition and less human activity timings i.e. during lunch interval or during change of shifts.



- Blasting operations will be carried out only during day time as per DGMS guidelines.
- Green Belt and Plantation shall be developed around the mining activity area and along haul roads. The plantation minimizes propagation of noise.
- Periodical monitoring of noise shall be done.
- Proper warning signals shall be used.
- Adequate safe distance from habitation as per standards from blasting site will be maintained.

### **Water Quality Management**

- Garland drain having siltation pits shall be provided at the toe of the dumps, to channelize the runoff water from dumps into the water reservoir (i.e. mined out pits) & around the active pits to restrict rainwater from entering in to the working pit.
- Retaining walls having water holes shall be provided along the toe of the dumps to avoid the soil wash out & around the active pit to prevent fall of human/animal in to the working pit.
- The arrangement of garland drain and retaining wall around the mining lease boundary will prevent runoff from mining lease area entering into adjoining areas.
- Dumps slopes shall be stabilized followed by plantation to avoid soil erosion.
- No waste water shall be discharged from the mining activities.
- Septic tanks and soak pits shall be provided for the disposal of domestic effluent generated from mine office.

### **BIO-DIVERSITY**

- The mining lease area covers plain area forest land. Reserved Forests and open mixed jungles are within the buffer zone area. Faunas of common occurrence in the area are mainly wild dog, bear, and rabbit which are sighting rare in the mining area. There is no reported species of endangered flora and fauna within the lease area.
- As per the available record, there is hardly any report of wildlife movement in this region. This is mainly because area is well developed and bears habitation, industries, and mining activities.

- On the other hand there will be positive impact due to the plantation activities, which are proposed by management on areas surrounding surface infrastructure.

**Environmental Management Plan - Plantation**

It is proposed to carryout plantation of 10000 local trees at various places till the end of life of mine.

| S.No. | Location for plantation  | Area (Ha)   | Number of Plants |
|-------|--|-------------|------------------|
| 1.    | Safety zone area i.e. 7.5 m around ML area   | 1.17        | 2500             |
| 2.    | Mining Limit zone area 50 m boundary from road on Southern side (excluding dump area in mining limit zone) | 0.62        | 1500             |
| 3.    | Plantation along internal road   | 0.50        | 1000             |
| 4.    | Plantation in OB Dump  | 1.13        | 2500             |
| 5.    | Plantation on undisturbed area   | 1.0         | 2500             |
|       | <b>Total</b>   | <b>4.42</b> | <b>10000</b>     |

**Total Area for plantation as per calculation : 4.42 Ha**  
**Total Area for plantation as per Landuse Planning (Mining Plan) : 0.33 Ha**  
**Actual area to be used for plantation : 4.09 Ha**

4.09 Ha area will be covered under greenbelt and plantation till the end of the life of mine and the trees will be planted @ 2500 trees/ha. The plantation will be carried out around the pit boundary, in the safety zone of 7.5 m around ML area, along the internal roads of the mine etc and on the unused area of the mine.

**Budget for Social Developmental Activities (CSR)**

| S.N | Activity                                       | Capital Budget(Rs in lakhs) | Recurring Cost (Rs. in Lakhs) |
|-----|--|-----------------------------|-------------------------------|
| 1   | Education and allied activities                | 2.00                        | 1.00                          |
| 2   | Education (Distribution of Books and Uniforms) | -                           | 1.00                          |
| 3   | Vocational Training to unemployed youth        | -                           | 0.50                          |
| 4   | SHG support (women SHG)                        | -                           | 0.50                          |
| 5   | Medical facility (Regular Health Camps)        | 2.00                        |                               |

|   |   |             |             |
|---|---|-------------|-------------|
| 6 | Maintenance of Village Roads  |             | 0.50        |
| 7 | Infrastructure development (support to civic amenities, plantation) | 1.0         | 0.50        |
|   | <b>TOTAL</b>  | <b>5.00</b> | <b>4.00</b> |

Provision of 2% of the capital cost i.e. Rs 5.0 Lakhs will be earmarked under Corporate Environmental Responsibility (CER) as per the MoEF&CC Notification dated 01.05.2018. The CER will be spent as per the directives of Collector, Katni

**Budgetary Provision for Environmental Protection**

| Sr. No. | Activity/Items   | Amount Rs (Lacs) |            |
|---------|--|------------------|------------|
|         |  | Capital          | Recurring  |
| 1       | Air Pollution Control  | *                | 2.0        |
|         | Dust Suppression   |                  |            |
| 2       | Water Pollution Control  | 8.0              | *          |
|         | Desilting Tanks, Garland Drain   |                  |            |
|         | Boulder Check Plug   |                  |            |
|         | Septic Tanks/Soak Pits   |                  |            |
|         | Mine water sedimentation pond & pumps  |                  |            |
| 3       | Pollution Monitoring   | *                | 2.0        |
|         | Piezometer for Hydrogeological monitoring  |                  |            |
|         | Air, Water, Noise Vibration Monitoring   |                  |            |
| 4       | Conservation of Natural Resources  | 2.0              | *          |
|         | Solar Lightening arrangement   |                  |            |
|         | Rainwater Harvesting   |                  |            |
|         | Soil preservation (biological reclamation)   |                  |            |
| 5       | Plantation /Reclamation  | *                | 2.0        |
|         | Reclamation Biological reclamation, plantation                                       |                  |            |
|         | Reclamation (Dump)   |                  |            |
| 6       | Occupational Health  | 3.0              | 1.0        |
|         | Fire Fighting Equipments (portable)  |                  |            |
|         | Personnel protection equipments (Goggles , gloves, helmets, dust mask, safety boots) |                  |            |
|         | <b>Grand Total</b>   | <b>13.0</b>      | <b>7.0</b> |

After detail discussion committee has asked the PP to submit the following information:

1. Clear-cut bifurcation (khasra wise) of RF, PF and revenue forest falling in the M.L. area.
  2. Show on the map: Sensitive features falling within 500 meter radius and addressed if any sensitive features occurred.
  3. Details of the haulage and transportation road (width and length) and frequency of the trucks, total trips etc.
  4. Explore alternate transportation rout and give details because proposed road is passing into the Pahadi Village.
  5. Blasting specification, pattern designing and fly rock control issues because Pahadi Village is situated in the S-W direction which is very near to the mine site.
  6. Details of proposed deployment of machine and computation.
  7. Lithology of the mining lease area.
  8. Revised water balance chart as suggested during presentation.
  9. Explore the possibility to install and establish water sprinkling arrangement before loading the material.
  10. Location of garland drain and settling tanks on the map.
  11. Quantification of PPEs as per proposed man power deployment.
  12. Year-wise plantation details.
3. **Case No. - 2426/2015 Shri Braeajendra Sharma, Director, M/s S.R. Ferro Alloys, 9, Siddheshwar Colony, PO & Distt.-Jhabua (M.P.) – 457661 Jamli Choti & Arandi Falia Manganese Deposit Mine Lease Area - 15.26 ha., Capacity-38,000 cum/year) at Khasra No. – 255, 249, Vill.-Jamli Choti & Arandi Falia, Th.-Jobat, Distt.-Alirajpur -M.P.).**

Earlier this case was scheduled for the TOR presentation in the 192<sup>nd</sup> SEAC meeting dated 08.05.2015 wherein it was recorded that: This is a mining project pertaining to mining of Manganese Ore from a lease area of 15.26 Ha. The project is covered under the provisions of EIA notification. It is mentioned as item 1(a) in the schedule of the EIA notification hence requires prior EC from SEIAA. The application for EC was forwarded by the SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. PP and his consultant presented the salient features, PFR and proposed TOR before the committee in this meeting. The project is located at Khasra No. – 255, 249, Vill.-Jamli Choti & Arandi Falia, Th.--Jobat, Distt.-Alirajpur -M.P.). It was reported that the project is not attracted by the General Conditions. PP submitted that the baseline environmental data has already been collected and requested the committee to allow him to use the same in EIA / EMP report. Based on the submissions made by the PP and the presentation the Committee recommended

for inclusion of following points to be addressed in the EIA / EMP in addition to standard TOR:

1. Baseline environment monitoring data already collected may be used in the EIA / EMP report however it may be note that the data should not be older than 02 years. All data used in the report should be re-validated before use.
2. Compliances of the conditions of existing EC (if issued) duly verified from MoEF.
3. Vibration study to be conducted.
4. Production figures from 1994 onwards duly verified from Mining Department.
5. Existing status of the mining lease area.
6. Inventory of operating / proposed mines within 2 Km around the said mine.
7. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
8. Evacuation Plan to be provided with transport route, required infrastructure and man-power.

Earlier the case was recommended for delisting in the 314<sup>th</sup> SEAC meeting dated 10/05/2018 as neither the EIA is submitted by PP nor PP has submitted any request for TOR's validity extension and the validity of TOR is expired. Later on SEIAA has closed the case in its 483<sup>rd</sup> meeting dated 16/05/2018.

PP vide letter dated 19/06/2018 has applied for TOR's validity extension in SEAC with form-1 and PFR and thus the case was placed in the agenda for necessary action.

SEIAA vide letter No. 1294 dated 20/08/2018 sent back the file to SEAC for consideration and appraisal as PP vide letter dated 24/07/2018 has applied in revised form-1 and PFR in accordance with the MoEF&CC OM dated 29/08/2017 for TOR validity extension. PP has also submitted the EIA on dated 16/05/2018 which is also forwarded by the SEIAA vide letter no. 1294 dated 20/08/2018.

Earlier this case was scheduled in the meeting in 326<sup>th</sup> SEAC meeting dated 21/08/2018 wherein it was recorded that, the validity of the TOR had expired on 07.05.2018. The committee observed that the TOR was issued by MoEF & CC on dated 08.05.2015 its validity was up to 07.05.2018 and as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014 it can be further extended for one year by regulatory authority. The case was presented by the PP and their consultant wherein PP informed that there is no change in the location and capacity of the project and thus their TOR may be extended for one year. The Committee after deliberations recommends that since PP has applied for the TOR validity extension with revised form-1 and PFR in accordance with the MoEF&CC OM dated 29/08/2017, the TOR's validity can be further extended for one more year with validity up to 06.05.2019 as per MoEF&CC OM No. J-

11013/41/2006-IA-II (I) (Part) dated 08/10/2014. However, the EIA can be presented by the PP in the subsequent SEAC meeting after the TOR's validity extension is approved by the SEIAA.

Today, this case was scheduled for the EIA presentation wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

4. **Case No. - 5721/2018 M/s Elite Engineers, 48, Narmada Road, Opposite Johnson Towers, Jabalpur, (M.P.). Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 200 kg per hour rotary kiln based bio medical incineration project at Village - Kathonda (Madhotal), Distt. - Jabalpur (M.P.) 7(da) Common Biomedical Waste Treatment, Storage and Disposal Facilities (TSDFs).**

This is case of Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 200 kg per hour rotary kiln based bio medical incineration project at Village - Kathonda (Madhotal), Distt. - Jabalpur (M.P.) 7(da) Common Biomedical Waste Treatment, Storage and Disposal Facilities (TSDFs). The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in 326<sup>th</sup> SEAC meeting dated 21/08/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his authorized representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled for the presentation wherein it was recorded that the PP vide letter dated 07/09/2018 has requested to postpone the presentation as PP is unable to attend this meeting. Committee accepted the request made by the PP and decided to call PP in subsequent meetings of the SEAC.

5. **Case No. – 5717/2018 Mr. Rajiv Pathak, Chayanakyapuri, Semaria Chowk PO & District - Satna, MP – 485001 Prior Environment Clearance for Limestone, Laterite, Ochre & Reject Stone Deposit in an area of 43.339 Ha. (2,69,937 ton per annum) (Khasra no. 299P, 300P, 309P) at village - Lakhanwah, Tehsil - Rampur Baghelan, Dist. Satna.**

This is case of Limestone, Laterite, Ochre & Reject Stone Deposit in an area of 43.339 Ha.. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no. 299P, 300P, 309P) at village - Lakhanwah, Tehsil - Rampur Baghelan, Dist. Satna The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in 324<sup>th</sup> SEAC meeting dated 19/08/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his authorized representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented today by the PP and their consultant. Committee after deliberations decided that being it's a case of Limestone Mine and falls under B-1 category standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Detailed study of ground vibration and fly rocks shall be done.
3. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
6. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
7. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.
8. Year wise details of minerals already excavated till date should be submitted with EIA report.
9. Commitment of PP that no production since 2006 shall also be attached with the EIA report.
10. Level of mechanization should be discussed in the EIA report.
11. Hydro geological study should be carried out if ground water intersection is proposed.
12. Top soil management plan should be addressed in EIA report.
13. Input data of modeling should be addressed in EIA along with this all back up calculation.
14. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report and monitoring should be conducted in consultation with the regional officer of the MP Pollution Control Board.

15. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
  16. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
  17. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
  18. Since the mining site is in close proximity of city area hence atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.
  19. PP would follow environmental extend rules.
6. **Case No. – 5736/2018 Shri Shravan Kumar Pathak, Chayanakyapuri, PO & District - Satna, MP – 485001 Prior Environment Clearance for Limestone Mine in an area of 38.129 Ha. (5,00,000 TPA) Khasra No. 902, 903 compartment no. 69. (old), 776 (New) at Village- Satri, Tehsil - Rampur Baghel, Dist. Satna (MP).**

This is case of Prior Environment Clearance for Limestone Mine in an area of 38.129 Ha. Khasra No. 902) at Village- Satri, Tehsil - Rampur Baghel, Dist. Satna (MP). The project requires prior EC before commencement of any activity at site.

The case was presented today by the PP and their consultant during presentation it was stated by the PP that 37 ha of forest land is involved in this project for which PP has already applied for the FC clearance vide letter FP/MP/MIN/22827/2016. Committee after deliberations decided that being it's a case of Limestone Mine and falls under B-1 category standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Orientation of working plan with respect to railway track.
3. Detailed study of ground vibration and fly rocks shall be done.
4. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
5. Transportation plan & traffic management plan should be discussed in the EIA report.
6. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
7. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
8. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.



9. Year wise details of minerals already excavated till date should be submitted with EIA report.
  10. Level of mechanization should be discussed in the EIA report.
  11. Hydro geological study should be carried out if ground water intersection is proposed.
  12. Top soil management plan should be addressed in EIA report.
  13. Input data of modeling should be addressed in EIA along with this all back up calculation.
  14. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report and monitoring should be conducted in consultation with the regional officer of the MP Pollution Control Board.
  15. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
  16. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
  17. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
  18. Since the mining site is in close proximity of city area hence atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.
  19. PP would follow environmental extend rules.
7. **Case No. - 5728/2018 M/s Lalajee Minerals, Shri Nirmal Kumar Agrawal, 96, CSA Marg, Ranapur, Dist. Jhabua, MP – 457661 Prior Environment Clearance for Manganese (Psilomelane) mining in an area of 4.99 Ha. (975 ton per annum) (Survey no. 546) at Village- Negariya, Tehsil - Jhabua, Dist. Jhabua (MP).**

This is case of Prior Environment Clearance for Manganese (Psilomelane) mining in an area of 4.99 Ha. (975 ton per annum) (Survey no. 546) at Village- Negariya, Tehsil - Jhabua, Dist. Jhabua (MP). The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in 325<sup>th</sup> SEAC meeting dated 20/08/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his authorized representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled for the presentation wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in 325<sup>th</sup> SEAC meeting dated 20/08/2018. Committee decided

to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**8. Case No. - 5617/2017 Shri Yogesh Khare, Sakin Khare Building, Gandhiganj, Katni, MP – 483501. Prior Environment Clearance for Limestone & Dolomite Mine in an area of 1.870 Ha.. (25,266 ton per annum) (Khasra no. 503 New 867, 955) at Village- Rupaund, Tehsil - Badwara, Dist. Katni (MP).**

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 503 New 867, 955) at Village-Rupaund, Tehsil - Badwara, Dist. Katni (MP) 1.870 Ha. The project requires prior EC before commencement of any activity at site. PP has submitted ToR application forwarded by the SEIAA vide letter no. 1358 dated 15/12/2017.

Earlier this case was scheduled for the presentation in the 307<sup>th</sup> SEAC meeting dated 23/02/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 304<sup>th</sup> SEAC meeting dated: 15/01/2018 & SEAC 302<sup>nd</sup> SEAC meeting dated 22.12.2017 meeting. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

This case was scheduled for the presentation in the 320<sup>th</sup> SEAC meeting dated 14/07/2018 as PP vide letter dated 20/05/2018 has requested to give a chance to present their case which was forwarded through SEIAA vide letter no.-1014 dated 14/06/2018 after relisting the case.

In this SEAC 320<sup>th</sup> meeting dated 14/07/2018 it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled for the presentation in the 325<sup>th</sup> SEAC meeting dated 20/08/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in SEAC 320<sup>th</sup> meeting dated 14/07/2018. Committee decided to call the PP in subsequent meetings giving last chance

to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was presented by the PP and their consultant. Committee after deliberations decided that being it's a case of Limestone Mine and falls under B-1 category standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Compliance of earlier consent condition is to be submitted in the EIA report.
3. Justification for the percentage of LOI i.e. 42.02 % in limestone and 43.90 % in dolomite.
4. A detail of drilling and blasting pattern is to be submitted in the EIA report.
5. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
6. Transportation plan & traffic management plan should be discussed in the EIA report.
7. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
8. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
9. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.
10. Year wise details of minerals already excavated till date should be submitted with EIA report.
11. Commitment of PP that no production since 2006 shall also be attached with the EIA report.
12. Level of mechanization should be discussed in the EIA report.
13. Hydro geological study should be carried out if ground water intersection is proposed.
14. Top soil management plan should be addressed in EIA report.
15. Input data of modeling should be addressed in EIA along with this all back up calculation.
16. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report and monitoring should be conducted in consultation with the regional officer of the MP Pollution Control Board.
17. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
18. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
19. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
20. Since the mining site is in close proximity of city area hence atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.

21. PP would follow environmental extend rules.\

**9. Case No. - 5729/2018 Shri Narendra Kumar Mishra S/o Shri Ashok Kumar Mishra, Behind Circuit House Chattarpur, Dist. Chattarpur, MP – 471001 Prior Environment Clearance for Pyrophyllite & Diaspore Mining in an area of 10.0 Ha. Capacity 15,447 tonnes, (Khasra no. 687) at Village- Paretha, Tehsil - Nowgaon, Dist. Chattarpur (MP).**

This is case of Pyrophyllite & Diaspore Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 687) at Village- Paretha, Tehsil - Nowgaon, Dist. Chattarpur (MP) 10.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Office Collector, vide letter No. 4011 dated 20/8/2018 has reported that there is more mine operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled in 326<sup>th</sup> SEAC meeting dated 21/08/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his authorized representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant. After detail discussion committee has asked the PP to submit the following information:

1. In-situ geological reserves and life of the mine is to be submitted.
2. Litholog section of the lease from the top RL to the Bottom boundary is to be submitted.
3. OB dump yard is to be technically and biologically reclaimed.
4. Revised Plantation as suggested by the committee during presentation.
5. Planned for the First-Aid and rescue operation for the employees.
6. Undertaking from the PP that only controlled blasting would be carried-out.
7. A Map which clearly shows the mineralized and non-mineralised area is to be submitted.

**10. Case No. - 5652/2018 M/s D.G.Stones Ltd, 158, Third Floor, Zone-II, M.P.Nagar, Bhopal – 462011 Prior Environment Clearance for Granite Deposit in an area of 6.0 Ha. (Murum**

**– 9,643 TPA) (Khasra no. 593 Part,) at Village- Lavkushnagar , Tehsil - Lavkushnagar, Dist. Chhatarpur (MP).**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 593 Part,) at Village- Lavkushnagar, Tehsil - Lavkushnagar, Dist. Chhatarpur (MP) 6.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Assistant Mining Officer vide letter no. 1467 dated: 02/6/2017, has reported that there are 02 more mine operating or proposed within 500 meters around the said mine with total area of 11.750 ha including this mine.

This case was again scheduled for presentation in 326<sup>th</sup> SEAC meeting dated 21/08/2018 wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 312<sup>th</sup> SEAC meeting dated 17/04/2018 & 309<sup>th</sup> SEAC meeting dated 23/03/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled for the presentation wherein it was recorded that: PP vide letter dated 07.09.2018 has requested to postpone this presentation as certain amendments is required in the mining plan which is pending for approval. Committee accepted the requested made by the PP and decided to give one month time to PP.

**11. Case No.-5285/2016 M.P. State Mining Corporation Ltd Paryawa Bhawan, Block No. 1, 2nd Floor, Jail Road, Bhopal. Prior Environment Clearance for Bauxite Mine in an area of 4.90 ha. (50,000 TPA) at Khasra No. 3852 & 3853 at Village-Tikar, Tehsil - Huzur, Dist. Rewa (MP) (EIA CONSULTANT: M/s Creative Enviro Services, Bhopal).**

This is case of Tikar Bauxite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 3852 & 3853 at Village-Tikar, Tehsil - Huzur, Dist. Rewa (MP) 4.90 Ha. The project requires prior EC before commencement of any activity at site.

**Environment setting**

| <b>Particulars</b>   | <b>Details</b>  |
|--|---|
| Locations  |   |
| Village  | Tikar   |
| Tehsil   | Huzoor  |
| District   | Rewa  |
| State  | MP  |
| Nearest National/state Highway   | Govindgarh – Rewa MDR Road - 4.50 km - NW   |
| Nearest Railway Station  | Rewa - 23.75km - NW   |
| Nearest Airport  | Churhata Rewa - 23.25km - NW  |
| Nearest Tourist Place  | None in 10 km radius  |
| Archaeological Important Place   | None in 10 km radius  |
| Ecological Sensitive Areas (Wild Life Sanctuaries)                             | None in 10 km radius  |
| Reserved / Protected Forest within 10km radius (Boundary to boundary distance) | Govindgarh Reserved Forest  |
| Nearest major city with 100000 population                                      | None within 10km radius   |
| Nearest village  | Bilhilihatola - 3.80km - N  |
| Nearest Town   | Rewa - 20km - N   |
| Physiography   | Hilly   |
| Elevation  | 647-621m AMSL   |
| Slope  | Radial  |
| Nearest River  | Son River -9.50 km - SE<br>Bichya nadi -7.15 km - N<br>Banas River - 10.0km - SE  |
| Nearest nalla/ pond/canal  | Phapho nala - 5km -S<br>Kataha nala - 4.30km- S<br>Pakariar Nala - 4.15km -N<br>Marhawal Nalla - 5.80km – SSE<br>Canal - 1.50km - S |
| Nearest hill/valley  | Jaliadhar Pahar   |

**Salient feature of the lease area**

| <b>Particulars</b>       | <b>Details</b> |
|--------------------------|----------------|
| Type of Mine             | Open Cast      |
| Mining Lease Area        | 4.90ha         |
| Existing Pits & Quarries | 3.55 ha        |
| Existing mineral stack   | 0.68 ha        |
| Infrastructure and road  | 0.10ha         |
| Plantation               | 0.15 ha        |
| Total geological Reserve | 1545660mt      |
| Total Minalbe Reserve    | 865252 mt      |

|  |                                   |
|--|-----------------------------------|
| Method of mining   | OTFM                              |
| Ultimate Depth of Mining                                       | 612mRL                            |
| Expected Life of Mines   | 20 years                          |
| Stripping Ratio  | 1:0.15                            |
| Existing mode to transportation                                | Road                              |
| Area to be covered under dumps in conceptual period            | Nil                               |
| Area covered under pit in conceptual period                    | 4.50 ha                           |
| Area to be reclaimed till conceptual period                    | 4.50ha                            |
| Area to be rehabilitated by afforestation in conceptual period | 4.90ha                            |
| Area to be covered under water reservoir                       | Nil                               |
| Ground water table   |                                   |
| Monsoon period   | 60m (561 m AMSL)                  |
| Dry month  | 70 m (551 m AMSL)                 |
| Production per day (MT) (275 working day)                      | 182                               |
| Truck per day (24 MT)  | 8                                 |
| Requirement of metal   | Aluminum plants and Cement plants |
| Supply location  | All over India                    |

**GEOLOGY OF THE MINE**

| <b>Geology and deposit appraisal</b> |   |
|--------------------------------------|---|
| Local geology                        | Bauxite like other high level deposits, occurs in the laterite profile as lenses and as irregular segregations in the blanket of laterite at high altitude. Bauxite has also been encountered at lower level, which may be secondary i.e. either detrital or removed to lower levels by breaking-off of scarp known's as "Scrap retreat" and has been included in the float deposit. The enrichment of alumina at places has given rise to good quality massive Bauxite, the thickness of which exclusively established upto 18m and is in lenticular form. |
| Lithology                            | <b>0.0 to 0.50m</b> - Lateritic Soil<br><b>0.0 to 0.50m</b> - Pilolitic Laterite/ Upper Laterite<br>12.0 to 18.0m – Upper Aluminous Laterite<br>Bauxite<br>Lower aluminous laterite   |
| Borehole                             | 20m depth   |
| Lease area                           | 4.90ha  |
| Mineable area                        | 4.50ha  |
| Mineral depth                        | 9m bgl (upto 612m AMSL)   |

|                                 |   |
|---------------------------------|---|
| AMSL                            | Max. – 647m and min. - 621m                               |
| Height of bench and no of bench | Existing – 1 & 3m and 5 no.<br>Proposed – 1& 6m and 5 no. |
| Width of bench                  | Min. 6m   |
| Width of haulage road           | 10m   |
| Gradient                        | 1:16  |

**Post land use plan**

| <b>Items</b>             | <b>Existing</b>   | <b>At the end of conceptual period</b> |
|--------------------------|-------------------|--|
| <b>Total lease area</b>  | <b>4.90 ha</b>    |  |
| Mineable area            | 4.50 ha           |  |
| Ultimate depth of mining | 7mbgl (614m AMSL) | 9m bgl (612 m AMSL)                    |
| Ultimate pit slope       | Nil               | 45 <sup>o</sup>                        |
| Area under mineral store | 0.68 ha           | Nil                                    |
| Area under pits          | 3.55 ha           | 4.50ha                                 |
| Area to be reclaimed     | Nil               | 4.50 ha                                |
| Infrastructure & Road    | 0.10 ha           | Nil                                    |
| Plantation               | 0.15ha            | 4.90ha                                 |
| Water body               | 0.50 ha           | Nil                                    |

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-1157 dated: 18/05/16, has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier case was presented by the PP and their consultant in the 41<sup>st</sup> SEAC-II meeting Dated 26/07/2017 wherein it was recorded that: Being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Transportation plan & traffic management plan should be discussed in the EIA report.



3. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
4. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
5. Compliance of consent conditions of M. P. Pollution control Board from concerned Regional Office.
6. Year wise details of minerals already excavated till date should be submitted with EIA report.
7. Afforestation plan with some species of meditational plants.

The PP has submitted the EIA report vide letter dated 23/11/17, which was forwarded by the SEIAA vide letter no. 1329 dated 12/12/2017.

The case was scheduled for the presentation 302<sup>nd</sup> SEAC meeting did not date 22.12.2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was again scheduled for presentation in 304<sup>th</sup> SEAC meeting dated: 15/01/2018 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

PP and their consultant were present for the EIA presentation in the 308<sup>th</sup> SEAC meeting dated 24/02/2018 wherein it was observed by the committee that the ML lies in the forest area and the earlier FC is expired. Further it has been specified in MoEF&CC letter no. 8C/32/2002-FCW/180 dated 08.04.2015 that forest clearance was issued only for period of 10 years from the date of commencement of operation i.e. 2006 to 2016 and as on date extension of forest clearance is not available with the PP. During presentation PP was unable to provide any proof regarding the efforts made by them for extension of FC i.e. copy of application submitted to the competent authority for extension of FC clearance. Thus in the absence of any status of FC clearance case cannot be considered for grant of EC. Committee after deliberations decided that PP may be given an opportunity for submission of relevant documents for FC clearance as per MoEF&CC office memorandums within 30 days for further consideration of this project.

This case was scheduled for the query discussion in the 316<sup>th</sup> SEAC dated 19/06/2018, which was raised in 308<sup>th</sup> SEAC meeting dated 24/02/2018, wherein it was recorded that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was again scheduled for presentation in the 326<sup>th</sup> SEAC meeting dated 21/08/2018 wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 316<sup>th</sup> SEAC dated 19/06/2018. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled for the presentation wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 326<sup>th</sup> SEAC meeting dated 21/08/2018, & 316<sup>th</sup> SEAC dated 19/06/2018. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**12. Case No. - 5697/2018 Dy. Inspector General of Police (Works), Group Center, Centre Reserve Police Force (CRPF), Gwalior, (M.P.) – 474003. Prior Environment Clearance for Proposed Residential Colony in Existing CRPF Campus Area as C/o 1003 Nos. Staff Quarters (900 Nos. Type II, 54 Nos. Type III, 33 Nos. Type IV, 16 Nos. Type V quarters) at Khasra No. – 560/1, 543, 561/1 (1/4) (K1/2) Village - Nayagaon, Tehsil – Gwalior, Dist.- Gwalior, (M.P.). Total Plot Area – 2,07,860.00 m<sup>2</sup>, Total Construction Area – 72,946.48 m<sup>2</sup>. Cat. - 8(a) Building and Construction Projects. For Building Constuction. Env. Con. – Mantras Green Resources Ltd. Kalyan (Maharashtra).**

This is case of Prior Environment Clearance for Proposed Residential Colony in Existing CRPF Campus Area as C/o 1003 Nos. Staff Quarters (900 Nos. Type II, 54 Nos. Type III, 33 Nos. Type IV, 16 Nos. Type V quarters) at Khasra No. – 560/1, 543, 561/1 (1/4) (K1/2) Village - Nayagaon, Tehsil – Gwalior, Dist.- Gwalior, (M.P.). Total Plot Area – 2, 07,860.00 m<sup>2</sup>, Total Construction Area – 72,946.48 m<sup>2</sup>. Cat. 8(a) Building and Construction Projects.

PP has submitted EIA vide letter dated 22/05/18 which was forwarded through SEIAA vide letter no. 968 dated 08/06/2018.

Earlier this case was scheduled for the presentation in the 319<sup>th</sup> SEAC meeting dated 22/06/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled for the presentation in the 321<sup>st</sup> SEAC meeting dated 16/08/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 319<sup>th</sup> SEAC meeting dated 22/06/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

PP during presentation stated that they have already carried-out the monitoring from Nov-Jan and requested to use that monitoring data, committee allow to use that data along with one month validation data. Hence committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> March 2018 along with standard TOR prescribed by the MoEF&CC for

conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. 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 Environmental (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.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be

prepared as an independent chapter in the EIA report by the accredited consultant.

**13. Case No. - 5698/2018 Dy. Inspector General of Police (Works), Group Center, Centre Reserve Police Force (CRPF), Gwalior, (M.P.) Prior Environment Clearance for Proposed Construction of 5 Nos. 240 Men Barracks including Electrical Works for Group Centre Khasra No. – 560/1, 543, 561/1 (1/4) (K1/2) at Village - Nayagaon, Tehsil – Gwalior, Distt. - Gwalior, (M.P.) Total Plot Area – 14,060 Sq.m RG Area – 6,817 Sq.m., Proposed Ground Coverage Area – 7,243 Sq.m, Total Construction Area – 21,316.15 m<sup>2</sup>. Cat. - 8(a) Building and Construction Projects. For Building Constuction. Env. Con. – Mantras Green Resources Ltd. Kalyan (Maharashtra).**

This is case of Prior Environment Clearance for Proposed Construction of 5 Nos. 240 Men Barracks including Electrical Works for Group Centre Khasra No. – 560/1, 543, 561/1 (1/4) (K1/2) at Village - Nayagaon, Tehsil – Gwalior, Distt. - Gwalior, (M.P.) Total Plot Area – 14,060 Sq.m RG Area – 6,817 Sq.m., Proposed Ground Coverage Area – 7,243 Sq.m, Total Construction Area – 21,316.15 m<sup>2</sup>. Cat. 8(a) Building and Construction Projects.

PP has submitted EIA vide letter dated 22/05/18 which was forwarded through SEIAA vide letter no. 970 dated 08/06/2018.

Earlier this case was scheduled for the presentation in the 319<sup>th</sup> SEAC meeting dated 22/06/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

PP during presentation stated that they have already carried-out the monitoring from Nov-Jan and requested to use that monitoring data, committee allow to use that data along with one month validation data. Hence committee recommended to issue additional TOR as per notification dated 08<sup>th</sup> March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub> & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area

11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. 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 Environmental (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.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

**(Dr. Mohd. Akram Khan)**  
**Member**

**(Dr. A.K. Sharma)**  
**Member**

**(Prashant Shrivastava)**  
**Member**

**(Dr. R. Maheshwari)**  
**Member**

**(Dr. Rubina Chaudhary)**  
**Member**

**(Mohd. Kasam Khan)**  
**Chairman**

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murram and Soil quarries:**

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
8. Transportation shall not be carried out through forest area.
9. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
12. NOC of gram panchayat should be obtained for the water requirement.
13. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
14. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
15. Mining should be done as per the submitted land use plan submitted by PP.



**Annexure- 'B'**

**Standard conditions applicable for the sand Mine Quarries\***

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The depth of mining shall be restricted to 3m or water level, whichever is less.
12. No in-stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.
19. Mining should be done as per the submitted land use plan submitted by PP.

**Annexure- 'C'**

**Standard conditions applicable for the Khodu Bharu sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. The mining activity shall be done manually.
7. Heavy vehicles shall not be allowed for removal of sand.
8. The sand shall be transported by small trolleys up to the main transport vehicle.
9. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
10. No Mining shall be carried out during Monsoon season.
11. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
12. NOC of gram panchayat should be obtained for the water requirement.
13. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
14. The mining shall be carried out strictly as per the approved mining plan.

**Annexure- 'D'**

**General conditions applicable for the granting of TOR**

1. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
2. An inventory of flora & fauna based on actual ground survey shall be presented.
3. Risk factors with their management plan should be discussed in the EIA report.
4. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
5. The EIA document shall be printed on both sides, as far as possible.
6. All documents should be properly indexed, page numbered.
7. Period/date of data collection should be clearly indicated.
8. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
9. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.

10. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
11. Grant of TOR does not mean grant of EC.
12. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
13. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
14. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
15. All the necessary NOC's duly verified by the competent authority should be annexed.
16. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
17. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
18. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
19. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
20. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
21. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
22. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

**FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.**

23. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
24. Detailed analysis of availability and quality of the drinking water resources available in the block.
25. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
26. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.