

The 333rd meeting of the State Expert Appraisal Committee (SEAC) was held on 29th November, 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. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.

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

- 1. Case No.-5449/2016 M/s Hukamchand Stone Lime Company, Nai Basti, Katni, MP – 483501. Prior Environment Clearance for Lime Stone Mine in an area of 5.529 ha. (2,08,452 TPA.) (Khasra no. 26, 27, 28, 29/1, 33) at Village- Bhatoora, Tehsil - Maihar, Dist. Satna (MP) EIA Consultant: Cognizance Research india Pvt. Ltd., Noida.**

This is case of Lime Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 26, 27, 28, 29/1, 33) at Village- Bhatoora, Tehsil - Maihar, Dist. Satna (MP) 5.529 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant in 58th SEAC-II meeting dated 10/11/2016, wherein PP submitted that there is no agriculture land, forest land or any water body in the lease area. No national park, sanctuary or any eco sensitive area exists within 10 kms radius. The mining lease was granted for 5 years period w.e.f 12.09.1983 to 11.09.1988 and then further renewed up to 11-09-1998. The lease area is deemed to be extended for 50 years period as per the MM (D&R) Amendment Act 2015. The proposed rate of production is 2,08,452 TPA. The Mining Plan was approved by IBM on 24.02.2016. Opencast Other Than Fully Mechanized method of mining will be adopted in the lease area. The tehsil head quarter –Satna is at 20 kms. The nearest railway station is Bhadanpur Railway Station at 7 km and the nearest airport is Jabalpur at 121 km. N.H.-7 passes at 7 kms in north direction. 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. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
6. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional Office.
7. Year wise details of minerals already excavated till date should be submitted with EIA report.
8. PP should submit inventory of all the existing trees and if tree falling is proposed same should be discussed in EIA report.
9. PP has to submit the lease validity extension certificate along with EIA report.
10. Atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.
11. Site lies within 250 meters of forest area. Thus the approval of divisional commission committee, Rewa has been approved and committee has reduced the ML area from 5.529 ha to 4.732 ha as minable area.
12. Lease validity extension documents should be submitted with the EIA report.

PP has submitted the EIA report vide letter dated 18/10/2018 which was forwarded through SEIAA vide letter no. 1603 dated 23/10/2018.

The EIA was presented by the PP and their consultant. The salient features of the mine and other details are given below:

1. Name of the project & its location

Name of the project:- Bhatoora Lime Stone Mine

Location:- Khasra no.- 26, 27, 28, 29/1,33, village-Bhatoora, Tehsil- Maihar, District- Satna, Madhya Pradesh.

2. Name of the Company, Address Tele No. & E-mail :

Name of the applicant/lessee:-

M/s Hukumchand Stone Lime Company, Nai Basti, Dist. Katni (M.P.) Pin code-483501
Phone-07622-404404

3. Latitude and Longitude of the project

| Latitude | Longitude |
|-------------------------------------|--------------------------------------|
| 24°05'40.37" to 24°5'39.9" North | 80°40'34.61" to 80°40'30.36" East |

4. If a Joint venture, the names & addresses of the JV partners including their share

Not applicable

5. Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.

Nature of proposal- New

Total area- 5.529 ha

Project components-

| Aspects | Detail |
|-------------------|---------------------------------------|
| Total Area | 5.529 Ha |
| Proposed capacity | 208,452 TPA |
| Technology | Opencast other than fully mechanized. |
| Life of the mine | 5 years |
| Topo-sheet No | 63 D/12 |
| Man power | 30 |
| Water requirement | 10 KLD |
| Project cost | Rs. 1.0 Crore |

Site Connectivity-

| | |
|--------------------------|---|
| Nearest Town | Maihar, approx. 20.5 km towards NNE direction. |
| Nearest Railway Station | Bhadanpur Railway Station, approx. 7.0 km towards West direction. |
| Nearest National Highway | NH-7, approx. 8.3 km towards NW Direction |
| Nearest Airport | Jabalpur Airport, approx. 116 Km towards SSW direction. |

6. Whether the project is in the Critically Polluted Area (CPA): No

7. Cost of the project : Cost of the project is Rs. 1.0 Crore

8. Employment generated/to be generated: About 30 people will be given direct employment

| Designation | Number of Person |
|------------------------|------------------|
| <i>Mining Engineer</i> | 1 |
| <i>Geologist</i> | 1 |
| <i>Mining mate</i> | 1 |
| <i>Highly skilled</i> | 2 |
| <i>Skilled</i> | 5 |
| <i>Semi Skilled</i> | 5 |
| <i>Unskilled</i> | 15 |
| <i>Total</i> | 30 |

9. Benefits of the project:

Benefits of the project are as follow:-

Improvement in the Physical Infrastructure -

- Building/strengthening of existing roads in the area.
- Development of educational facilities for the community
- Arrangement of drinking water to the villages,
- Extending health care

Improvement in the Social Infrastructure-

- Generation of employment.
- Increment in revenue to the State by way of royalty,
- Improvement in standard of living.

10. Whether new or expansion project .If expansion: i from MT to MT ii What is the % of expansion

Not applicable

11. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006. 1

Not applicable

12. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF

Not applicable

13.No. and Date of the ToR /and revised ToR, if any, letter issued by the authority.

TOR – 1573/PS-MS/MPPCB/SEAC-II/M/TOR (58)/2016 dated 06/12/2016.

14. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)

Not applicable

15. If the project was considered in EAC, Pl. gives dates of the meeting (s).

Yes, the project was considered in 58th SEAC-II meeting dated 10/11/2016

16.Type of Mine: (Open cast/Underground/mixed):

Open cast

17. Capacity of the mine applied for

Proposed Capacity of mine - 208,452 TPA

18. ML Area i. As per block allotment ii. As per approved mine plan

As per approved mine plan

19. Date of approval of mine plan, mine closure plan, status & date

Approval of Mining plan - vide Letter No. MP/Satna/Limestone/MPLN/Mod-16/15-16 dated on 24.02.2016.

20. Date of Board's approval:

Not applicable

21. Date of Ground water clearance:

NOC from gram panchayat has been taken from village Bhatooora, Satna dated 18.05.2016.

22. Date of mine closure approval

Mine closure approval date - 24.02.2016.

23. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.

Budget for EMP

| Sl. No. | Measures | Capital cost (in Rs.) | Annual recurring cost (in Rs.) |
|--------------|---|-----------------------|--------------------------------|
| | | Proposed | Proposed |
| 1 | Dust suppression (Fixed type Sprinkler)-200m length water tanker with sprinkler | 8,00,000 | 2,00,000 |
| 2 | Garland drain | 2,50,000 | 1,00,000 |
| | Protective Bund | 2,00,000/- | |
| 3 | Pollution Monitoring | -- | 1,00,000/- |
| 4 | Green belt & afforestation | - | 3,00,000 |
| Total | | 12,50,000 | 7,00,000 |

CER budget

| S. No | Activities | fund in lakhs/ year (Capital Cost in Rs) | fund in lakhs/ year (Recurring Cost in Rs) |
|--------------|---|--|--|
| 1 | Health awareness and camps for local community in village Bhatoora, Padrehi & Gonrwal. | 50,000 | -- |
| 2 | Providing Computer in the Higher Secondary school in village Bhatoora, Padrehi & Gonrwal. along with a instructor | 3,00,000 | 50,000 |
| 3 | Drinking water facility in village Bhatoora, Padrehi & Gonrwal. (1 hand pump and Tank) | 1,50,000 | 1,50,000 |
| TOTAL | | 5,00,000 | 2,00,000 |

24. Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.

Plantation to be done

| Year | Total Plantation | Area covered during the year | | Transport rout |
|------------|------------------|------------------------------|----------------------------|----------------|
| | | BF Area Nos. /Area (sqm) | Green belt Nos. Area (sqm) | |
| First Year | 600 | 0/0 | 500/5000 | 100 |

| | | | | |
|-------------------|-------------|-------------------|-------------------|-------------|
| Second Year | 630 | 0/0 | 530/5290 | 100 |
| Third Year | 500 | 0/0 | 0 | 500 |
| Conceptual Period | 3800 | 2000/20000 | 0 | 1800 |
| Total | 5530 | 2000/20000 | 1030/10290 | 2500 |

Species Suggested for Plantation

| SI. No | Name | Botanical Name | Number |
|--------|--------------|-------------------------------|--------|
| 1 | Mango | <i>Magnifera Indica</i> | 500 |
| 2 | Karanj | <i>M pinnata</i> | 1000 |
| 3 | Shisham | <i>Dalbergia sissoo</i> | 530 |
| 4 | Gulmohar | <i>Delonix regia</i> | 500 |
| 5 | Bamboo | <i>Dendrocalamus strictus</i> | 300 |
| 6 | Eucalyptus | <i>Eucalyptus citriodora</i> | 500 |
| 7 | Amla | <i>Emblica officinalis</i> | 400 |
| 8 | Peepal | <i>Ficus religiosa</i> | 500 |
| 9 | Neem | <i>Azadirachta indica</i> | 500 |
| 10 | Kachnar | <i>Bauhinia variegata</i> | 400 |
| 11 | Mahua | <i>Madhuca longifolia</i> | 400 |
| | Total | | 5530 |

25. Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.

| Particulars | Distance from the ML Boundary (in km) & Direction from the ML Boundary |
|----------------|--|
| Tamas River | about 5.5 km towards NW direction |
| Chakdhai Nalla | about 10 km towards East direction. |
| Jhapawan Nalla | about 6.0 km towards South direction |
| Jarjarar Nalla | about 6.0 km towards ESE direction. |

During discussion it was observed that the lease is in close vicinity of forest area and PP has obtained the approval of the committee wherein in the recommendations it is mentioned that no mining shall be carried out in Khasra no. 27 and 29. During presentation it was also observed that within 500 meters of the lease hutments are in existence on the south western side of the lease. After detail discussion, committee has asked the PP to submit the following information:

1. Revised map excluding Khasra no. 27 and 29 for mining.

2. Some hutments are in existence on the south western side of the lease thus protection plan shall be submitted and details of other sensitive features within 500 meter radius shall also be submitted.
3. Details of OB generated till date and its disposal/re-handling plan.
4. Photographs of mining lease area.
5. Documents of CTO renewal of MP Pollution Control Board shall be provided.
6. Revised EMP and CSR as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 29.11.2018, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Lime Stone Mine in an area of 5.529 ha. (2,08,452 TPA.) (Khasra no. 26, 27, 28, 29/1, 33) at Village- Bhatoora, Tehsil - Maihar, Dist. Satna (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

9. No overcharging during blasting to avoid vibration.
10. Muffle blasting shall be carried out considering habitation approx. 350 meter away from lease.
11. No explosive will be stored at mine site.
12. No dump shall be stacked outside the lease area.
13. Overhead sprinklers shall be provided in mine to control fugitive emissions.
14. Kachha road from mine to Maihar – Katni road be made pakka.

15. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
16. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 5530 nos of trees will be planted along and within the ML.
17. Transportation of material shall be done in covered vehicles.
18. Transportation of minerals shall not be carried out through forest area.
19. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
20. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1100 m x 2 m x 1.5 m. The settling tank will be two in number of size 2 x 20 m x 8.0 m x 3m) towards sloping side and north west = 960 cum. The size of the one sump will be (40 m x 20 m x 3m) = 2400 cum.
21. For dust suppression over head Sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
22. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
23. The existing and proposed land use plan of the mine is as follows:

| SI. No | Description | Area (ha) | % |
|--------------|-------------------|-----------------|-------|
| 1 | Settlement | 970.11 | 2.99 |
| 2 | Water Bodies | 143.66 | 0.44 |
| 3 | Vegetation | 57.22 | 0.17 |
| 4 | Forest | 10439.18 | 32.23 |
| 5 | Open land | 618.95 | 1.91 |
| 6 | Open Scrub | 2064.33 | 6.37 |
| 7 | Agricultural Land | 18089.39 | 55.8 |
| Total | | 32382.84 | |

24. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.

25. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
26. The commitments made in the public hearing are to be fulfilled by the PP.
27. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
28. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

29. In the proposed EMP, capital cost is Rs. 15.50 lacks and Rs. 8.00 lacks /year are proposed as recurring expenses.
 30. Under CSR activity, Rs. 7.00 lacks and Rs. 3.50 lacks /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
 31. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
 32. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
 33. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 34. PP will comply with all the commitments made vide letter dated 29.11.2018.
 35. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
- 2. Case No. 4125/15-Smt. Lalita Chourasiya, M/s Diddhivinayak Minerals, R/o Chourasiya Mohalla, Purani Basti, P.O. Maihar, District-Satna (MP)-485771 Prior Environment Clearance for approval of Khondhra Limestone Mine in an area of 4.547 ha. (50,000 TPA) at Khasra no.-209/2, Village-Khondhra, Tehsil-Maihar, District-Satna (MP). EIA Consultant: M/s Aplinka Solutions Technologies Pvt.Ltd., Noida.**

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-209/2, Village-Khondhra, Tehsil-Maihar, District-Satna (MP) 4.547 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was presented by the PP and their consultant in 3rd SEAC-II meeting dated 04/02/2016 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. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Any alternate route avoiding the nearby habitations.
5. Top soil management plan.
6. Compliance of the conditions of working permissions of DGMS.
7. Compliance of consent conditions issued by M. P. Pollution Control Board from the concerned Regional Officer.

PP has submitted the EIA report vide letter dated 02/11/2018 which was forwarded through SEIAA vide letter no. 1666 dated 05/11/2018.

| | | | |
|---|--|---|---|
| 1 | Name of the project & its location | Khondhra Limestone Mine 4.547 ha. (50,000 TPA)at khasra No. 209/2 at village khondra, Tehsil- Maihar, District-Satna, State M.P by M/s. Sddhivinayak Minerals | |
| 2 | Name of the Company, Address Tele No. & E-mail : | M/s. Sddhivinayak Minerals | |
| 3 | Latitude and Longitude of the project | Latitude | 24°16'35.0" to 24°16'46.1" North |
| | | Longitude | 80° 51' 41.1" to 80° 52'00.8" East |
| 4 | If a Joint venture, the names & addresses of the JV partners including their share | Not Applicable | |
| 5 | Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc. | Nature of proposal | New |
| | | Total area- land use | 4.547 ha. |
| | | ML Area Elevation | Highest Elevation- 336m RL towards north Lowest elevation- 335 mRL towards south west |
| | | Connectivity | <ul style="list-style-type: none"> • The lease area is 47 kms from Distt. Headquarter Satna (M.P.) via Maihar towards south. • It can be approached from Maihar on N.H.-7 towards Rewa up to Khondhara or Tiloura and then towards ML area on approach road. • The nearest railway station |

| | | | |
|----|--|---|---|
| | | | is Maihar at a distance of about 10.25 km. • The lease area can be approached by own conveyance too. |
| 6 | Whether the project is in the Critically Polluted Area (CPA): | No | |
| 7 | Cost of the project : | Rs 1.0 Crores | |
| 8 | Employment generated/to be generated | 35 person | |
| 9 | Benefits of the project | The area surrounding the mining site is economically backward. The project will give direct employment to 35 persons and indirect employment to approx 50 persons. Local people will be preferred for providing job opportunity. Out of excavated area (2.82 ha), 1.14 ha area will be backfilled followed by stabilization through plantation and remaining excavated area will be converted as water reservoir (1.68 ha) at final closure. It will also be used for Pisciculture purpose; source of irrigation in nearby agriculture field and source of artificial ground water recharge. About 797 number of sapling will be done over green belt area (0.797 ha), while 1140 sapling on excavated area (1.14 ha) for reclamation. Besides 2600 sapling will be planted along the transportation route. | |
| 10 | Whether new or expansion project .If expansion: i from MT to MT ii What is the % of expansion | It is new mining lease area. | |
| 11 | If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006 | Not applicable, It is new mining lease area. | |
| 12 | If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF | Not applicable | |
| 13 | No. and Date of the ToR /and revised ToR, if any, letter issued by the authority | ToR letter No. 593/PS-MS/MPPCB/SEAC-II/M/TOR(003)/2016 dated 15.03.2016. (Case No. 4125/2015). | |
| 14 | No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent) | Not applicable | |
| 15 | If the project was considered in EAC, Pl. gives dates of the meeting (s) | Not applicable | |
| 16 | Type of Mine: (Open cast/Underground/mixed) | Open Cast | |
| 17 | Capacity of the mine applied for | 50,000 TPA | |
| 18 | ML Area i. As per block allotment | 4.547 Ha | |

| | | |
|----|---|--|
| | ii. As per approved mine plan | 4.547 Ha |
| 19 | Date of approval of mine plan, mine closure plan, status & date | Mining plan was approved from IBM – Jabalpur vide letter No. MP/Satna/Limestone/MPLN/RMP-81/17-18, 4424 dated 12.04.2018. |
| 20 | Date of Board's approval | Not applicable. |
| 21 | Date of Ground water clearance | Not applicable. |
| 22 | Date of mine closure approval | Mining plan was approved from IBM - Jabalpur dated 12/04/18 |
| 23 | Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details | <ul style="list-style-type: none"> • Saranji Nala – 2.0 km in South • Tamas River – 5.60 km in West • Pathna Nala- 8.5 Km in NW • Bakoti Nalla- 4.8 Km in North • Manhi Nalla – 7.9 Km in North • Gobarhari Nalla-8.6 Km in NE • Gadha Nalla- 5.0 Km in NW • Lilji Nalla - 7.90 Km in WNW • Rarua Nalla, 9.50 Km NNW • Jhinna Nalla, 8.7 km in ENE |

In this meeting after detail discussion, committee has asked the PP to submit the following information:

1. Justification for not submitting compliance of consent conditions.
2. Justify the production of 40,000 MT/Y reject stone.
3. Revised EMP and CSR as suggested by the committee.
4. Copy of order in which Tehsildar instructed for relocation of house which is situated in the southern side of the lease area.

PP has submitted the response of above quarries same date vide letter dated 29.11.2018, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC Prior Environment Clearance for approval of Khondhra Limestone Mine in an area of 4.547 ha. for Lime stone 10,000 TPA and reject stone 26,588 tonne/year at Khasra no.-209/2, Village-Khondhra, Tehsil-Maihar, District-Satna (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.

3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

9. No overcharging during blasting to avoid vibration.
10. Muffle blasting shall be carried out considering habitation approx. 350 meter away from lease.
11. No explosive will be stored at mine site.
12. No dump shall be stacked outside the lease area.
13. Overhead sprinklers shall be provided in mine to control fugitive emissions.
14. Kachha road from mine to main road made pakka.
15. Overhead sprinklers shall be provided in mine.
16. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
17. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 4537 nos of trees will be planted in the back filled area and on transportation route.
18. Transportation of material shall be done in covered vehicles.
19. Transportation of minerals shall not be carried out through forest area.
20. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM. For disposal of OB as reject stone approval of competent authority shall be obtained.
21. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 6000 sq.m X 1.5 m =9000 cum. The settling tank will be three in number of size 10 x 6m x 3.0m towards sloping side and north west = 180 cum each The size of the one sump will be 10 x 6m x 3.0m= 180 cum.

22. For dust suppression over head Sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
23. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
24. The existing and proposed land use plan of the mine is as follows:

| Sr. no. | LU | Existing | 5 th year end | Mine Life end |
|---------|--|----------|--------------------------|---------------|
| 01 | Total area excavated (broken) | 1.80 | 2.37 | (2.82) |
| 02 | Area fully mined out (out of 1) | 0.25 | (1.0) | (2.82) |
| 03 | Area fully reclaimed (Backfilled out of 2) | Nil | (0.25) | (1.14) |
| 04 | Area rehabilitated out of 3 by afforestation | NA | Nil | 1.14 |
| 05 | Area reclaimed by water harvesting | Nil | Nil | 1.68 |
| 06 | Total area under Dump | 0.25 | 0.42 | Nil |
| 07 | Area under active dumps | 0.05 | (0.42) | Nil |
| 08 | Area under mineral stack | Nil | Nil | Nil |
| 09 | Area under Road | 0.10 | 0.10 | Nil |
| 10 | Area under Green belt in barrier | 0.10 | 0.797 | 0.797 |
| 11 | Area under Infrastructure | 0.01 | 0.01 | Nil |
| 12 | Undisturbed area to be afforested | 2.287 | 0.85 | 0.93 |
| | Total | 4.547 | 4.547 | 4.547 |

25. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
26. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
27. The commitments made in the public hearing are to be fulfilled by the PP.
28. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

29. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

30. In the proposed EMP, capital cost is Rs.5.75 lacks and Rs. 7.00 lacks/year is proposed as recurring expenses.
31. Under CSR activity, Rs. 3.750 lacks and Rs. 2.10 lacks /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
32. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
33. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
34. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
35. PP will comply with all the commitments made vide letter dated 29.10.2018.
36. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
3. **Case No.-5249/2016 M/s S.N.Sunderson & Co., Opp. S-1/56, Sector-1, Dadda Dham, P.O. & District Katni, M.P – 483501. Prior Environment Clearance for Limestone & Dolomite Mine in an area of 4.76 ha. (50000 TPA) at Khasra no.-115, 118, 215, 216, 223, Village-Pondi, Tehsil - Dhimer Kheda Dist. Katni (MP). EIA Consultant: M/s Aplinka Solutions Technologies Pvt.Ltd., Noida.**

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.-115, 118, 215, 216, 223, Village-Pondi, Tehsil - Dhimer Kheda Dist. Katni (MP) 4.76 Ha. The project requires prior EC before commencement of any activity at site.

Salient Feature of the Project

| Sl. No. | Parameters | Description |
|---------|----------------------------------|---|
| 1 | Mining Lease Area & Type of land | Mine Lease area is 4.76 ha, The land use is waste land. |

| | | |
|----|---|---|
| 2 | Geographical co-ordinates | Latitude : 23°40'01.9" to 23°40'11.7" N Longitude : 80°25'04.4" to 80°25'14.3" E |
| 3 | Name of Rivers/ Nallahs/ Tanks/ Spring/ Lakes etc | Seasonal Nalla – 900m NE Amehta Tank – 2 Km SW. Samrar Tank- 5.2 Km North. Niwar River – 5.5 kms West |
| 4 | Name of Reserve Forest(s), Wild life Sanctuary/ National parks etc. | Open mix jungle – 2.25 Km in NW, 1.6 Km East, 3.5 Km NE and 4.5Km SW. Bijhota RF-2.25 Km SE |
| 5 | Topography of ML area | The lease area is almost plain having general slope towards NNW. The highest elevation of the lease area is 426 m. A.M.S.L. in south west direction and the lowest elevation is 422 m AMSL in north direction |
| 6 | Name of Mineral mined | Limestone and Dolomite |
| 7 | Rate of Production (TPA) | 50,000 TPA |
| 8 | Life of mine | 17 Years at present level of exploration |
| 9 | Mineral Reserve in Tonnes | Probable Mineral Reserve, Limestone=746276 t. Dolomite= 18020 million tonne. Pre Feasibility Mineral Resource, Limestone=497700 t. Dolomite= 12600 tonne. |
| 11 | Mining Method | Opencast Other than fully mechanised method of mining will be adopted in the lease area |
| 12 | Drilling/ Blasting | Drilling and blasting has been proposed of hole dia less than 100 mm and upto 2.8m depth No deep hole drilling and blasting of large dia will be carried out. |
| | Ultimate Pit Slope | 45° |
| 13 | Ultimate depth of Mining | 17 meter below general ground level (upto 405 mRL) |
| 14 | Ground water level | 40-45 meter BGL of 422 mRL |
| 15 | GWT intersection | Mining will be done above the ground water table. Hence ground water table will not be intersected. |
| 16 | Drainage pattern/ water courses | There is no stream crossing in the mine lease area. However the lease area main drainage is through seasonal water courses situated in NE side of the applied area which discharges into Samrar tank. |
| 17 | Water requirement & source | Total water requirement for dust suppression, plantation and drinking is 9 KLD. Water will be sourced from bore well in ML area as well as mine sump. |
| 18 | Employment Potential | 40 people will get direct and 25 people will get indirect employment. |
| 19 | Working of the Days | 275 |
| 20 | Cost of project | Rs/- 10. 0 million. |

Mining Lease Area

| DISTRICT/ STATE | TEHSIL | VILLAGE | Khasra No. | Area (ha) |
|--------------------|-------------|---------|---------------|-----------|
| KATNI (M.P.) | DHIMARKHEDA | PONDI | 115 | 1.13 |
| | | | 118 | 0.60 |
| | | | 215 | 2.12 |
| | | | 216 | 0.56 |
| | | | 223 | 0.35 |
| | | TOTAL | | 4.76 |

Land Use planning

| Sl.No. | Particular | Existing | 5 th Year end | Mine life end |
|--------|---|----------|--------------------------|---------------|
| 1 | Total area excavated (broken) | 1.50 | 2.9149 | 3.993 |
| 2 | Area fully mined out (out of 1) | (0.035) | (0.035) | (3.993) |
| 3 | Area fully reclaimed/ Backfilled (out of 2) | Nil | (0.035) | (0.65) |
| 4 | Area rehabilitated out of 3 by afforestation (Out of 3) | Nil | (0.035) | (0.65) |
| 5 | Area reclaimed by water harvesting | Nil | Nil | (3.343) |
| 6 | Total area under dumps | 0.40 | 1.0 | Nil |
| 7 | Area under active dumps(Out of 6) | Nil | 0.60 | Nil |
| 8 | Area under Road | 0.10 | 0.05 | Nil |
| 9 | Area under Green belt | 0.52 | 0.767 | 0.767 |
| 10 | Area under infrastructure | 0.01 | 0.01 | Nil |

The case was presented by the PP and their consultant in the 37th SEAC-II meeting dated 12/07/2016. It being a case of major minerals committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer.
2. Top soil management plan be discussed in the EIA report.
3. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
4. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
5. Any alternate route avoiding the nearby habitations (if any).

PP has submitted the EIA report vide letter dated 13/11/2018 which was forwarded through SEIAA vide letter no. 1697 dated 16/11/2018.

The EIA was presented by the PP and their consultant. The salient features of the mine and other details are given below:

| | | | |
|---|--|--|--|
| 1 | Name of the project & its location | Pondi Limestone & Dolomite Mine 4.76 ha. (50,000 TPA)at khasra No. 115,118,215,216,223 at village Pondi, Tehsil- Dhimerkheda, District-Katni, State M.P | |
| 2 | Name of the Company, Address Tele No. & E-mail : | M/s. S.N.Sunderon & Co | |
| 3 | Latitude and Longitude of the project | Latitude | 23°40'01.9" to 23°40'11.7" North |
| | | Longitude | 80°25'04.4" to 80°25'14.3" East |
| 4 | If a Joint venture, the names & addresses of the JV partners including their share | Partnership firm with two Partners i.e Mr Riju Jauhar (67%) and Mrs Nivedita Jauhar(33%) | |
| 5 | Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc. | Nature of proposal | New |
| | | Total area- land use | 4.76 ha. |
| | | ML Area Elevation | Highest Elevation- 426mRL towards southwest Lowest elevation- 422 mRL towards north |
| | | Connectivity | <ul style="list-style-type: none"> • The lease area is 16 kms from Distt. Headquarter Katni (M.P.) via Niwar towards south east. • It can be approached from N.H.-7 11 km in NW direction. It is 12 kms from Niwar towards south east. • The nearest railway station is Niwar at a distance of about 7.5 km. • The lease area can be approached by own conveyance too. |
| 6 | Whether the project is in the Critically Polluted Area (CPA): | No | |
| 7 | Cost of the project : | Rs 1.0 Crores | |
| 8 | Employment generated/to be generated | 40 person | |
| 9 | Benefits of the project | The area surrounding the mining site is economically backward. The project will give direct employment to 40 persons and indirect employment to approx 50 persons. Local people will be preferred for providing job opportunity. Out of excavated area (3.993 ha), 0.80 ha area will be backfilled followed by stabilization through | |

| | | |
|----|--|---|
| | | plantation and remaining excavated area will be converted as water reservoir (3.193 ha) at final closure. It will also be used for Pisciculture purpose; source of irrigation in nearby agriculture field and source of artificial ground water recharge. About 797 number of sapling will be done over green belt area (0.797 ha), while 800 sapling on excavated area (0.80 ha) for reclamation. Besides 3160 sapling will be planted along the transportation route. |
| 10 | Whether new or expansion project .If expansion: i from MT to MT ii What is the % of expansion | It is new mining lease area. |
| 11 | If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006 | Not applicable, It is new mining lease area. |
| 12 | If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF | Not applicable |
| 13 | No. and Date of the ToR /and revised ToR, if any, letter issued by the authority | ToR letter No. 1156/PS-MS/MPPCB/SEAC-II/M/TOR(037)/2016 dated 18.07.2016. (Case No. 5249/2016). |
| 14 | No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent) | Not applicable |
| 15 | If the project was considered in EAC, Pl. gives dates of the meeting (s) | Not applicable |
| 16 | Type of Mine: (Open cast/Underground/mixed) | Open Cast |
| 17 | Capacity of the mine applied for | 50,000 TPA |
| 18 | ML Area iii. As per block allotment iv. As per approved mine plan | 4.76 Ha 4.76 Ha |
| 19 | Date of approval of mine plan, mine closure plan, status & date | Mining plan was approved from IBM – Jabalpur vide letter No.MP/Katni/Limestone/MPLN/Mod-201/15-16,dated 13.05.2016. |

| | | |
|----|---|---|
| 20 | Date of Board's approval | Not applicable. |
| 21 | Date of Ground water clearance | Not applicable. |
| 22 | Date of mine closure approval | Mining plan was approved from IBM - Jabalpur dated 13/05/2016 |
| 23 | Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details | <ul style="list-style-type: none"> • Seasonal Nalla -900m in NE • Amehta Tank – 2 km in SW • Samrar Tank - 5.2 Km in North • Niwar River - 5.5 Km in West |

In this meeting after detail discussion, committee has asked the PP to submit the following information:

1. Justification for not submitted compliance of consent condition.
2. R &R issue if any, commitment from PP.
3. Revised Plantation scheme.
4. Commitment for muffle blasting.
5. Revised CSR as suggested by the committee
6. Budgetary commitment for construction of 440 meters kachha road till Niwar PWD Road.
7. Budgetary provision for road from mine leases area to Niwar.

PP has submitted the response of above quarries same date vide letter dated 29.11.2018, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Limestone & Dolomite Mine in an area of 4.76 ha. (50,000 TPA) at Khasra no.-115, 118, 215, 216, 223, Village-Pondi, Tehsil - Dhimer Kheda Dist. Katni (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.

4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

9. No overcharging during blasting to avoid vibration.
10. Muffle blasting shall be carried out considering habitation approx. 350 meter in the eastern side of the lease.
11. No explosive will be stored at mine site.
12. Kachha road (approx. 440 meters) to be made pakka from mine site to the Niwar PWD Road.
13. No dump shall be stacked outside the lease area.
14. Overhead sprinklers shall be provided in mine.
15. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
16. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature.
17. As proposed in the landscape plan & EMP a minimum total 4537 no of sampling will be planted, out of which No. 797 over green belt area (0.797 ha), 1140 no over backfilled area (1.14 ha) and 2600 sampling along the transportation route.
18. Transportation of material shall be done in covered vehicles.
19. Transportation of minerals shall not be carried out through forest area.
20. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
21. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 6000 sq.m X 1.5 m =9000 cum. The settling tank will be three in number of size 10 x 6m x 3.0m towards sloping side and north west = 180 cum each. The size of the one sump will be 10 x 6m x 3.0m = 180 cum.
22. For dust suppression over head Sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

23. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
24. The existing and proposed land use plan of the mine is as follows:

| S.NO | Land Cover class | Area (acres) | Percentage |
|-------------|-------------------------|---------------------|-------------------|
| 1 | River & water Body | 1778 | 3 |
| 2 | Tree Cover | 12940 | 20 |
| 3 | Scrub Land | 8005 | 12 |
| 4 | Builtup area | 3800 | 6 |
| 5 | Fallow Land | 27241 | 41 |
| 6 | Crop Land | 10933 | 17 |
| 7 | Broken area | 982 | 1 |
| | Total | 65678 | 100 |

25. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
26. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
27. The commitments made in the public hearing are to be fulfilled by the PP.
28. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
29. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

30. In the proposed EMP, capital cost is Rs. 4.50 lacks is proposed and Rs. 6.50 lacks/year as recurring expenses.
31. Under CSR activity, Rs. 2.00 lacks and Rs. 1.50 lacks /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.

32. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
33. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
34. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
35. PP will comply with all the commitments made vide letter dated 29.11.2018.
36. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

4. Case No. - 5765/2018 M/s Ultra Tech Cement Ltd., Ahura Centre, 1st Floor, A-Wing, Mahakali Caves Road, Andheri (E) Mumbai-400093. Prior Environment Clearance for Proposed Expansion in Production Capacity of Captive Power Plant from 25 MW to 28 MW at Village J.P. Puram Bela, Tehsil -Huzur, District - Rewa (M.P.). Category: 1(d) Thermal Power Plant.

This is a project pertaining to Proposed Expansion in Production Capacity of Captive Power Plant from 25 MW to 28 MW at Village J.P. Puram Bela, Tehsil -Huzur, District - Rewa (M.P.). The activity is mentioned at Category: 1(d) Thermal Power Plant of the Schedule of EIA Notification 2006 as amended from time to time. Hence the project requires prior Environmental Clearance from the SEIAA. The case was forwarded by SEIAA to SEAC for scoping so as to determine TORs' to carry out EIA and prepare EMP for the project.

The case was presented by the PP and their consultant and during presentation following details were provided.

- M/s. UltraTech Cement Ltd (UTCL), Unit – Bela Cement Works, has an existing Integrated Cement Plant, which is under operation since 1996 with Cement capacity of 2.5 Million TPA located at Village – Madheypur, PO - Jaypee Puram, District- Rewa (Madhya Pradesh).
- To meet the power requirement of existing Cement plant, UltraTech Cement Ltd. (Unit: Bela Cement Works) has proposed expansion in production capacity from 25 MW to 28 MW.

- CPP is located in premises of existing cement plant.
- This Project falls under Category “B”, Project or Activity 1 (d) (4) -{Thermal Power Plants}

HIGHLIGHTS OF THE PROJECT

- No change in Plant area.
- No change in water requirement
- No change in Man power requirement.
- Capacity enhancement by process optimization.
- Present Power requirement of plant is being fulfilled by State grid & CPP located within existing cement plant.
- Now, enhancement in power generation capacity of CPP from 25 MW to 28 MW is proposed to increase optimum capacity utilisation of existing plant

EXISTING CONSENTS

| S. No. | Particular | Letter No & Date |
|--------|--|-------------------------------------|
| 1 | CTE in favor of M/s. Jaiprakash Associated Ltd (25 MW) | 14.05.2004 |
| 2. | CTO in favor of M/s. Jaiprakash Associated Ltd (25 MW) | 05.02.2005 |
| 3. | CTE in favor of UTCL (25 MW) | 15.01.2018 (Valid up to 26.12.2022) |
| 4. | CTO in favor of UTCL (25 MW) | 22.09.2018 (Valid upto 31.12.2018) |

| S. No. | Project Activity | Details |
|--------|------------------|------------------|
| 1. | Village | J. P. Puram Bela |
| 2. | Tehsil | Huzur |
| 3. | District | Rewa |
| 4. | State | Madhya Pradesh |

| | | |
|----|---------------------------|--|
| 5. | Toposheet No | Core zone – G44V2 Buffer zone – G44V2, G44V3, G44V6 & G44V7 |
| D. | Geographical Co-ordinates | |
| | Latitude | 24° 31'48.43" N |
| | Longitude | 81° 10.16'00" E |

AREA DETAILS

| S. No. | Project Activity | Details |
|--------|-------------------------------|--|
| A. | Area Details | |
| 1. | Plant Area | <ul style="list-style-type: none"> Total Cement Plant Area:-49.3 Ha. CPP area 4.205 Ha (Within existing cement plant). No additional Land required |
| 2. | Greenbelt/ Plantation Area | 24.70 Ha |

| S. No. | Particulars | Details |
|--------|--------------------------|--|
| 1. | Nearest Town/City | Rewa (~7.5 km in ENE direction) |
| 2. | Nearest National Highway | <ul style="list-style-type: none"> ➤ NH -7(~3.5 km in South direction) ➤ NH -75 (~4.0 km in SW direction) |
| 3. | Nearest Railway Station | <ul style="list-style-type: none"> ➤ Turki Railway Station (~3.5 km in NW direction) ➤ Rewa Railway Station (~7.5 km in ENE direction) |

| | | |
|----|--|---|
| 4. | Nearest Airport | Khajuraho Airport (~130 km in WNW direction) Allahabad Airport (~115 km in NE direction) |
| 5. | Inter District Boundary | Rewa & Satna (~0.75 km in West direction) |
| 6. | National Park, Wildlife Sanctuary, Biosphere Reserve, Reserved/Protected Forest) within 10 km radius | There is no National Park, Wildlife Sanctuary, Biosphere Reserve, Protected Forest within 10 km radius except one Reserved Forest. Sathari Reserved Forest (~8.0 km in NW direction) |
| 7. | Water bodies within 10 km radius | Two rivers and five nalah |
| 8. | Seismic Zone | Zone - III as per IS: 1893 (Part-I) : 2002 |

REQUIREMENTS OF THE PROJECT

| S. No. | Particulars | REQUIREMENT | | | Source |
|--------|--|-------------|------------|-------|---|
| | | Existing | Additional | Total | |
| 1. | Water Requirement (KLD) | 160 | - | 160 | Rainwater harvested in Mine Pit |
| 2. | Manpower Requirement | 70 | - | 70 | More than 80% employee from Near by area (locals) |
| 3. | Power Requirement (Auxiliary power consume) (MW) | 2.375 | 0.145 | 2.52 | CPP |

| | | | | | |
|----|--|---|----|-----|--|
| 4. | Fuel Requirement Coal (MT/Day) | 513 | 62 | 575 | E - auction/ Open market Calorific Value (Kcal/kg): 3800; Ash % : 45 ; Sulphur % : 0.8(max) |
| 5. | Limestone (MT/Day) | 50 | 10 | 60 | Limestone Mines |
| 6. | Total Cost for the Project | Rs. 50 Lakh/- | | | |
| 7. | Cost for Environmental Protection Measures | <ul style="list-style-type: none"> • Capital Cost: Rs. 25 Lakh/- • Recurring Cost: Rs. 10 Lakh/ Annum | | | |

- Transportation of Coal by truck to power plant
- Unloaded of truck by truck tippler in the coal bunker.
- Feeding of coal to the coal crusher to crush it to the required size through the vibro feeder.
- Feeding of crushed coal to the boiler bunkers through coal silo and the conveyor belt.
- Feeding of coal to the boiler furnace through the rotary/drag chain feeders.
- Burning of coal in the furnace & the resultant heat utilized to heat water & convert it into steam.
- Passing of flue gases generated on the burning of fuel over the tubes of economizer & air pre-heater to utilize the heat.
- Now the flue gases pass through the ESP (Electro Static Precipitator) to chimney.
- On waterside, treatment of water by PTP (Pre-treatment Plant) to get the required quality.
- Treatment of water with lime & Dolomite in the High Rate Solid Contact Clarifier.
- Feeding of clarified water to the RO plant to meet the required quality for DM system.
- In DM plant, this DM water feed to the boiler for the purpose of making steam.
- Feeding of generated steam to the turbine through the control valve.

- In turbine the thermal energy of steam is utilized to rotate it. The turbine in turn rotates an alternator (electric generator). The generated electricity is evacuated from the alternator through the bus bar arrangement.

The committee after presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's and as per Annexure D:-

1. Being expansion, compliance of earlier EC conditions shall be submitted from the competent authority.
 2. PP has requested for not conducting the public hearing being de-bottlenecking project and no new installation is proposed. This submission shall be justified in detail in the EIA report with the present pollution load and pollution load after expansion.
 3. The mode of transportation of the coal shall be discussed in the EIA report.
 4. No additional water required for this proposed expansion, justify in the EIA report.
 5. Present status of fly-ash utilization and utilization of expended quantity of fly ash shall be provided in the EIA report.
5. **Case No. - 5766/2018 M/s Ultra Tech Cement Ltd., Ahura Centre, 1st Floor, A-Wing, Mahakali Caves Road, Andheri (E) Mumbai-400093 Prior Environment Clearance for Limestone mine -03 in an area of 33.767 ha. for production capacity of 0.15 MTPA (ROM) & 90688 Cum/year (overburden) at Khasra No. 224 to 235, 274, 276/1, 276/2, 245, 246, 247/1,2, 248/1,2, 263/1,2, 264, 216 to 220/1,2, 221/1,2, 222, 223, 169 to 200, 201/1,2, 202/1,2, 203, 189/2/1, 190/1,2, 190/2/1 191/1,2, 192 to 195, 179/1/2, 186/2, 186/3, 187, 188/1,2, 189/1,2, 174/1,2, 176, 177/1,2 178/1,2, 179/2, 180/1,2,3, 181/1,2, 182, 183, 184/1,2, 3185,186/1, 156/1,2 157, 158, 158/1, 159/2, 160, 161, 163, 164/2, 33/2, 134/1,2,3, 135, 136, 137,1,2, 139, 140, 120/2,3, 121/1,2,3, 122, 123/1, 123/1/2/1, 123/2/2,1, 34/1, 150, 151, 152, 153,1,2k, 154/1,2, 155/1,2 141, 142/1,2, 143 to 149, 129/1,2, 130/1,2, 131/1,2,3, 124/2, 125/1,2, 126, 127/1,2,3, 128/1,2,3, 111 to 120, 92, 100, 101, 102, 013, 104, 107, 108, 110, 132, 138/1,2, 162, 171, 179/1/1/3, 215, 165 to 174, Village Khamariya, Tehsil Huzur, District Rewa (MP) (TOR)**

This is case for Bela Limestone mine -03. The application was forwarded by SEIAA to SEAC for appraisal. The Project in an area of 33.767 ha. for production capacity 0.15 MTPA (ROM) & 90688 Cum/year (overburden) at Khasra No. 224 to 235, 274, 276/1, 276/2, 245, 246, 247/1,2, 248/1,2, 263/1,2, 264, 216 to 220/1,2, 221/1,2, 222, 223, 169 to 200, 201/1,2, 202/1,2, 203, 189/2/1, 190/1,2, 190/2/1 191/1,2, 192 to 195, 179/1/2, 186/2, 186/3, 187, 188/1,2, 189/1,2, 174/1,2, 176, 177/1,2 178/1,2, 179/2, 180/1,2,3, 181/1,2, 182, 183, 184/1,2, 3185,186/1, 156/1,2 157, 158, 158/1, 159/2, 160, 161, 163, 164/2, 33/2, 134/1,2,3, 135, 136,

137,1,2, 139, 140, 120/2,3, 121/1,2,3, 122, 123/1, 123/1/2/1, 123/2/2,1, 34/1, 150, 151, 152, 153,1,2k, 154/1,2, 155/1,2 141, 142/1,2, 143 to 149, 129/1,2, 130/1,2, 131/1,2,3, 124/2, 125/1,2, 126, 127/1,2,3, 128/1,2,3, 111 to 120, 92, 100, 101, 102, 013, 104, 107, 108, 110, 132, 138/1,2, 162, 171, 179/1/1/3, 215, 165 to 174, Village Khamariya, Tehsil Huzur, District Rewa (MP), The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their consultant wherein following details were provided by the PP:

The proposal of M/s. UltraTech Cement Limited (Unit: Bela Cement Works) is for Bela Cement Limestone Mine-03 (BCLM-03) (ML Area-33.767 ha) with Production Capacity of 0.15 Million TPA (ROM) and 90688 Cu.M Overburden. The mining lease is located at Village Khamariya, Tehsil- Huzur, District –Rewa (Madhya Pradesh). Study area falls within the Survey of India Toposheet No. 63 H/3, 63 H/6 & 63 H/7. The Project is located in Seismic zone-II. The Latitude and Longitude of the mine site falls between N 240 31' 34.59" to N 240 31' 45.6033" and E 810 11' 26.08" to E 810 11' 36.83" respectively.

The letter of Intent (LOI) was issued by Government of Madhya Pradesh; Department of Mineral resources vide letter no F-3 -22/2016/12-1 dated 16.12.2016 over an area of 33.767 ha in favor of M/s. Jaiprakash Associates Limited. In the meantime, Jaiprakash Associates Ltd (“JAL”) and Jaypee Cement Corporation Ltd. (“JCCL”) Business was transferred to UltraTech Cement Ltd (UTCL) by National company Law Tribunal Bench (NCLTB) at Mumbai on 15.02.2017 in case of UTCL and NCLTB at Allahabad on 02.03.2017 in case of Sellers. Hence forth, the Jaypee Bela Plant and Mines of M/s Jaiprakash Associates Ltd and M/s Jaypee cement Corporation Ltd. along with all the contracts, deeds, approvals, schemes etc have been transferred to UltraTech Cement Ltd (Unit: Bela Cement Works). Mining lease has been transferred in favor of M/s. UltraTech Cement Ltd from M/s. Jaiprakash Associates Ltd by State Govt order no F 3-22/2016/12/1 dated 08.06.2017.

The total Mining lease area of mine is 33.767 ha, out of which 1.502 ha area is Government waste land and 32.265 ha area belongs to agriculture land. Mining operation will be carried out by fully mechanized open cast method, utilizing Heavy Earth Moving Machines (HEMM) in conjunction drilling & blasting. The blasted mass will be loaded into dumpers with the help of Hydraulic Excavators and then will be transported to the crusher at cement plant. The mine working will involve removal of topsoil. Top soil will be stacked separately and will be simultaneously used in plantation. Solid waste generated at the end of life of mine will be backfilled in the mined out area.

Total water requirement for this project is 50 KLD which will be sourced through bore wells for drinking purpose and Rain water harvested in mine pits as and when developed.

No National Park, Wild Life Sanctuaries, Biosphere Reserves, Tiger Reserves, Wildlife Corridors, Reserved/ Protected Forests within 10 km radius study area.

Total cost of the project is 8.0 Crores. The Capital Cost for Environment Protection is Rs. 45.0 Lacs/- with Recurring cost of Rs. 25 Lacs per annum. No litigation is pending against the project.

Committee after presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's and as per Annexure D:-

- Status of land acquisition, does PP has possession of entire land shall be discussed in the EIA report.
- As per the Google image based on the co-ordinated provided by the PP, a road is crossing the lease thus safety issues for this road/any alternate route proposed by the PP shall be detailed out in the EIA report.
- As per the Google image based on the co-ordinated provided by the PP, some hutments are in existence within the lease area and needs to be relocated thus issues related to the R&R shall be discussed in detail in the EIA report.
- As per the Google image based on the co-ordinated provided by the PP, some crushers are in existence within the lease area thus necessary shifting/relocation plan shall be submitted with local authority as PP submitted that they are operating illegally.
- Some trees are in existence in the allotted lease area as per the Google image based on the co-ordinated provided by the PP and thus their complete inventory shall be provided in the EIA report and if any tree falling is proposed, same shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
- Top soil management plan.
- Land use plan should be plotted on the map.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.

- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Hydro geological studies should be carried out and be discussed in the EIA report.

6. Case No. – 5789/2018 M/s Satyamitra Infrastructure Pvt. Ltd, 247, Prem Trade Centre, Maharani Road, Indore, MP Prior Environment Clearance for Construction of Proposed "Satyamitra Rajlaxmi Nature" Multi Dwelling Units (Total Plot Area = 24021 sqm., Total Proposed Built-up Area = 28433 sqm) at Khasra No. 537 Rangwasa village, Tehsil - Indore & Dist. Indore, MP.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th 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.

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. During presentation, PP submitted following salient features of the project:

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th 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.

Hence committee recommended to issue additional TOR as per notification dated 08th 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, PN2.5, SO₂, NO_x & 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.

7. Case No. – 5790/2018 M/s MSD Developers, Plot No. 8, PU-4 Commercial Sch. No. 54, AB Road, Indore, MP – 452001 Prior Environment Clearance for Construction of Proposed "SHIVOM" Commercial and Residential Building (Total Plot Area = 9290.30 sqm., Total Proposed Built-up Area = 25885 sqm) at Plot No. 578, Village - MG Road, Tehsil - Indore & Dist. Indore, MP.

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. During presentation, PP submitted following salient features of the project:

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th 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.

Hence committee recommended to issue additional TOR as per notification dated 08th 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, PN2.5, SO₂, NO_x & 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.

8. Case No. - 5795/2018 M/s Laxmidas Ramji, Katni Refractory works, Village - Tikuri, Tehsil - Murwara, Dist. Katni, MP – 483504 Prior Environment Clearance for Bauxite Mine in an area of 39.31 Ha. (1,00,000 tonne per annum) at Khasra No. 38 Part, 42/1P, 42/2 P, 43/1, 43/2, 43/3, 44/1, 44/2, 45, 46 P, 51/1 GA P, 51/1 GA P, 51/1 GA P 51/1 GA P, 51/8, 51/9, 51/10, 51/11, 51/12, 68 P at Village- Tikuri, Tehsil - Murwara, Dist. Katni (MP)

This is case for Bauxite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The Project in an area of 39.31 ha. for production capacity (100000 tonne per annum) at Khasra No. 38 Part, 42/1P, 42/2 P, 43/1, 43/2, 43/3, 44/1, 44/2, 45, 46 P, 51/1 GA P, 51/1 GA P, 51/1 GA P 51/1 GA P, 51/8, 51/9, 51/10, 51/11, 51/12, 68 P at Village- Tikuri, Tehsil - Murwara, Dist. Katni (MP), MP. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their consultant wherein following details were provided by the PP:

| Sl. No. | Parameters | Description | | |
|---------|-----------------------------------|--|------------------|----------------------------|
| 1 | Name of the project/s & Land Area | Mining of Mineral from mines/quarries of 'Tikuri Road Side Bauxite Mine'. Lease area: 39.31 ha | | |
| 2 | Geographical co-ordinates | Latitude 23°47'53.9" to 23°48'44.9" North Longitude 80°22'59.8" to 80°23'31.5" East | | |
| 3 | Consent to Operate | Consent No.: AW-46180, Validity 28/02/2020 | | |
| 4 | Details of the Lease Area | Khasra No. | Area (Ha) | Ownership/Occupancy |
| | | 38 Part | 0.79 | Govt. Waste Land |
| | | 42/1 P | 1.77 | Govt. Waste Land |
| | | 42/2 P | 1.20 | Govt. Waste Land |
| | | 43/1 | 3.77 | Govt. Waste Land |
| | | 43/2 | 0.71 | Govt. Waste Land |
| | | 43/3 | 0.65 | Govt. Waste Land |
| | | 44/1 | 0.61 | Govt. Waste Land |
| | | 44/2 | 0.99 | Govt. Waste Land |
| | | 45 | 1.24 | Govt. Waste Land |
| | | 46 P | 0.18 | Govt. Waste Land |
| | | 51/1 GA P | 9.50 | Govt. Waste Land |

| Sl. No. | Parameters | Description | | |
|---------|---------------------------------|--|-------------------------------------|------------------|
| | | 51/1 GA P | 20.03 | Govt. Waste Land |
| | | 51/1 GA P | 8.16 | Govt. Waste Land |
| | | 51/1 GA P | 5.00 | Govt. Waste Land |
| | | 51/8 | 0.40 | Govt. Waste Land |
| | | 51/9 | 0.87 | Govt. Waste Land |
| | | 51/10 | 0.85 | Govt. Waste Land |
| | | 51/11 | 1.25 | Govt. Waste Land |
| | | 51/12 | 0.34 | Govt. Waste Land |
| | | 68 P | 38.85 | Govt. Waste Land |
| | | Total | 97.16 Acres or 39.31 ha. | |
| 5 | Category of the project | “B” | | |
| 6 | Location of the project | Village- Tikuri, Tehsil- Murwara, District- Katni, State- Madhya Pradesh | | |
| 7 | Topography of ML area | The lease area is hilly having gentle slope towards north. Highest Elevation - 415m AMSL. towards SE Direction Lowest Elevation -380m A.M.S.L. towards West Direction | | |
| 8 | Name of Mineral mined | Bauxite | | |
| 9 | Rate of Production (TPA) | 1,00,000 TPA of Mineral | | |
| 10 | Life of mine | 14 Years, As per proved mineral reserve. mining lease is valid up to 2020. | | |
| 11 | Mineral Reserve in Tonnes | Measurable Mineral reserve (331) = 26,14,373.8 Tonne Pre-feasibility Mineral Reserve (211) = 12,39,938 Tonne Mineral Reserve (111) = 13,74,435.80 Tonne | | |
| 12 | Mining Method | Opencast Other than fully mechanized method of mining | | |
| 13 | Drilling/ Blasting | No deep hole drilling and blasting will be proposed. | | |
| 14 | Ultimate depth of Mining | 10 m Above BGL | | |
| 15 | Ground water level | 25-30 m BGL | | |
| 16 | GWT intersection | Mining will be done above the ground water table. Hence ground water table will not be intersected by the proposed mining project. | | |
| 17 | Drainage pattern/ water courses | There is no perennial source of surface water such as river or nalla in the mine lease area. <i>The main drainage of the area is through seasonal water course situated in north of the applied area which discharge into Katni nadi which ultimately discharges into Mahanadi River.</i> | | |

| Sl. No. | Parameters | Description | | | |
|---------|---|--|---|-----------------|------------------|
| 18 | Water requirement & source | Total water requirement for dust suppression, plantation and drinking is 10.0 KLD. Water will be sourced from tube-well and mine sump. | | | |
| 19. | Cost of project | Rs. 60 Lakhs (Approx.) | | | |
| 20. | Nearest Railway Station / Airport along with distance in kms. | Katni Railway Station -about 2.5 km (NNE) Jabalpur Airport-about 75.0 km (SW) | | | |
| 21 | Nearest Town, city, District Headquarters along with distance in kms. | KatniCity--about 2.0km (WSW) Katni-about 2.5 km (NE) | | | |
| 22 | Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests. | Forest | No Forest Land is involved in the Project area. | | |
| | | | Name of Forest | Distance | Direction |
| | | | BhainswahiKhaph RF | 10.5 | NNE |
| | | | Darodi RF | 10.2 | NE |
| | | | Mudera PF | 13.2 | NE |
| | | | Bandora PF | 11.5 | NE |
| | | | Bilheri Khas PF | 8.7 | W |
| | | | Bijauri RF | 11.4 | E |
| | | | Ponri PF | 11.8 | ESE |
| | | | Lakhapateri RF | 8.9 | SW |
| | | | Majhgwan RF | 6.6 | E |

| Sl. No. | Parameters | Description | | |
|---------|---------------------------|--|-----------------|------------------|
| | | | Jalapur RF | 12.0 |
| | Water Bodies | Water courses are in the study area as follows; | | |
| | | Water Bodies | Distance | Direction |
| | | Aloni R | 11.4 | NW |
| | | Katni N | 1.8 | NNW |
| | | Bhima N | 4.3 | NE |
| | | Sumrar N | 1.2 | E |
| | | BhawanderNala | 5 | E |
| | | Jarangar N | 5.0 | E |
| | | Niwar N | 4.8 | SW |
| | | Sumrar Tank | 9.2 | SE |
| 23 | Name of the consultant | In Situ Enviro Care; Address: E- 7/829, Shahpura, Arera Colony, Bhopal - 462016 (M.P.) | | |
| 24 | SR. No. in Nabet/QCI List | 86 | | |

Committee considering the recent GoI, MoEF & CC Notification dated 8th 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.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with TOR & standard TOR prescribed by the MoEF&CC vide letter dated 14th May, 2015 under following specific conditions for conducting the EIA along with following additional TOR's and as per Annexure-D:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
 2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
 3. Since lease is located within the habitation area thus detailed evacuation plan on a map shall be discussed in EIA report with transport route, required infrastructure and man-power.
 4. Since lease is located within the habitation area their protection plan in detail shall be discussed in the EIA report.
 5. During presentation PP informed that no blasting is proposed for which written commitment shall be submitted.
 6. Trees are in existence in the allotted lease area as per the Google image based on the co-ordinated provided by the PP and thus their complete inventory shall be provided in the EIA report and if any tree falling is proposed, same shall be discussed in the EIA report.
 7. Detailed plantation scheme with budgetary allocations be provided in the EIA report.
 8. Compliance of MP Pollution control Board consent condition shall be submitted with EIA report.
 9. Mine water management plan be provided in the EIA report.
 10. Land use plan should be plotted on the map.
 11. Assessment of Ecological damage by this project and its Remediation Plan should be discussed in the EIA report.
 12. Natural and community resource augmentation plan should be discussed in the EIA report.
 13. Year wise quantity of production carried out till date, quantity of product sold with its market value and royalty paid.
9. **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 Khasra no. Part of 384 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 for presentation in 329th SEAC meeting dated 23/10/2018 wherein: 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 328th SEAC meeting dated 08/09/2018 & 326th SEAC meeting dated 21/08/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case 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, 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 328th SEAC meeting dated 08/09/2018 & 326th SEAC meeting dated 21/08/2018. 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.

10. Case No. – 5776/2018 M/s Khajuraho Infrastructure Pvt.Ltd. Director, Shri Yashpal Singh Parmar, 6th Km Sagar Road, Dhadari, District Chhatarpur (MP)-471001 Prior Environment Clearance for Stone Quarry in an area of 8.00 ha. for production capacity of 9,27,500 TPA at Khasra no. 546/1, Village Kishanpura, Tehsil Rajnagar, District Chhatarpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village Kishanpura, Tehsil Rajnagar, District Chhatarpur (MP) 8.00 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 Mining Inspector, Distt. Chhatarpur vide letter dated: 07/08/2018 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

In this meeting the case was presented by the PP and their consultant. PP stated that the nearest interstate boundary of Uttar Pradesh is at 11.03 kms distance and There is no national park within 10 km radius. Ken Ghariyal Sanctuary is at 6.7 km. The eco sensitive zone has been notified up to 1 km. The proposed production is 350000 cum or 927500 TPA.

Committee after presentation and discussion asked PP to submit response for the following:

- Revised CSR budget as suggested by the committee.

PP has submitted the response of above quarries vide letter dated 29.10.2018 which was placed before the committee and the same found satisfactory. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 9,27,500 TPA.
2. The lease area should be clearly distinguished and permanent earmarked at the site.
3. Thick plantation shall be carryout towards the village side existing on the western side of the lease.
4. Six monthly occupational health survey shall be carryout
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
7. No overcharging during blasting to avoid vibration.
8. Muffle blasting shall be carried out considering habitation approx. 250 meter in the western side of the lease.
9. No explosive will be stored at mine site.
10. Kachha road from mine site to the highway shall be made pakka and maintained by PP.
11. No dump shall be stacked outside the lease area.
12. Top soil shall be simultaneously used for the plantation.
13. A budgetary provision for Environmental management Plan of Rs. 44.40 lacks (capital) is made with a recurring expenditure of 2.70 Lacks .Under CSR Rs. 5.0 lacks/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

11. Case No. – 5768/2018 M/s Span Minerals Pvt.Ltd., Director Shri Chandra Shekhar Prasad Singh, G-3, B-Wing, Hetkunj VP Road Andheri (W) Mumbai Prior Environment Clearance for Granite Quarry in an area of 9.50 ha. for production capacity of 10,500 cum/year at Khasra No.-2610 Village Chhilpa, Tehsil Anuppur, District Anuppur (MP).

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. - 2610 at Village- Chhilpa, Tehsil - Anuppur, District - Anuppur (M.P.). 9.50 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 Mining Officer vide letter no.-1149 dated: 03/08/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

1. Revised plantation scheme as suggested by committee.
2. Revised EMP activities with appropriate budget.

PP has submitted the response of above quarries same date vide letter dated 29/11/2018, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Granite Quarry in an area of 9.50 ha. for production capacity of 10,500 cum/year at Khasra No.-2610 Village Chhilpa, Tehsil Anuppur, District Anuppur (MP) subject to the following special conditions at annexure 'A':

1. Production of Granite shall be as per mine plan with quantity not exceeding 10,500 cum/year.
2. 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.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. The proposed plantation should be carried out along as per the submitted proposal and PP would maintain the plants for five years including casualty replacement.
6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.

9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. Authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
11. As proposed, garland drains with protective bunds all around the lease boundary shall be provided along with settling tanks for proper sedimentation and retention.
12. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
13. Regular water spraying should be provided on 80 meter long approach road and 5.0 meter wide haul road and transportation road for dust suppression.
14. Every year 9500 nos of trees will be planted.
15. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
16. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
17. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
18. The commitments made in the public hearing are to be fulfilled by the PP.
19. A budgetary provision for Environmental management Plan of Rs. 9.72 lacks and under CSR Rs. 2.0 lacks/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
20. 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.

12. Case No. – 5769/2018 M/s Span Minerals Pvt.Ltd., Director Shri Chandra Shekhar Prasad Singh, G-3, B-Wing, Hetkunj VP Road Andheri (W) Mumbai. Prior Environment Clearance for Granite Quarry in an area of 8.646 ha. for production capacity 10, 500 cum/year at Khasra no.- 129/2, 130 to 134, 154/5, Village Chatua, Tehsil Anuppur, District Anuppur (MP)

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. - 129/2, 130 to 134, 154/5 at Village - Chatua,

Tehsil Anuppur, District -Anuppur (M.P.). 8.646 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 Mining Officer vide letter no.- 1150 dated: 03/08/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein following details were presented by the PP:

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

1. Revised plantation scheme as suggested by committee.
2. Revised EMP activities with appropriate budget.

PP has submitted the response of above quarries same date vide letter dated 29/11/2018, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Granite Quarry in an area of 8.646 ha. for production capacity 10,500 cum/year at Khasra no.- 129/2, 130 to 134, 154/5, Village Chatua, Tehsil Anuppur, District Anuppur (MP) subject to the following special conditions at annexure 'A':

1. Production of Granite shall be as per mine plan with quantity not exceeding 10,500 cum/year.
2. 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.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. The proposed plantation should be carried out along as per the submitted proposal and PP would maintain the plants for five years including casualty replacement.
6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.

7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. Authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
11. As proposed, garland drains with protective bunds all around the lease boundary shall be provided along with settling tanks for proper sedimentation and retention.
12. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
13. Regular water spraying should be provided on 80 meter long approach road and 5.0 meter wide haul road and transportation road for dust suppression.
14. Every year 8600 nos of trees will be planted.
15. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
16. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
17. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
18. The commitments made in the public hearing are to be fulfilled by the PP.
19. A budgetary provision for Environmental management Plan of Rs. 9.72 lacks and under CSR Rs. 2.0 lacks/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
20. 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.

13. Case No. 3231/15 Shri Sunil Vishwambharan, 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) 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,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-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 217th 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 in 328th SEAC meeting dated 08/09/2018, 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 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 ³ Mineral Reject : 2,009 Tonnes |
| 14 | Total waste generation at the end of life of mine(Conceptual Period) | Overburden : 9,62,655 m ³ 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.

| Grade | | | |
|--------------------|-------------------------------------|-------------------------|--------------------|
| Fe% | Al₂O₃% | SiO₂% | P% |
| 59.51-66.92 | 0.99-1.67 | 1.90-3.85 | 0.027-0.043 |

- 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-mineralized 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

| Year | Overburden (m ³) | Mineral rejects (Tonnes) |
|---|------------------------------|--------------------------|
| 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 |
| Total | 9,62,655 | 56,009 |

- 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 m³/day. 10 m³/day of the water is required for dust suppression (within the lease and outside the lease on transport route), 2 m³/day required for plantation and 1.2 m³/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 ³ /day | Source |
|-----|--------------------------|------------------------------|----------------------|
| 1. | Dust suppression | 10.0 | Tanker and Pit Water |
| 2. | Green belt | 2.0 | |
| | Sub Total (A) | 12.0 | |
| (B) | Drinking/Domestic | 1.2 | Tanker |
| | Sub Total (B) | 1.2 | |
| | Grand Total (A+B) | 13.2 | |

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 km²) and Buffer Zone (314 km²) 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 |
| | Total | 4.42 | 10000 |

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 |
| | TOTAL | 5.00 | 4.00 |

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) | | |
| | Occupational Health | | |
| | Fire Fighting Equipments (portable) | | |
| 6 | Personnel protection equipments (Goggles , gloves, helmets, dust mask, safety boots) | 3.0 | 1.0 |
| | Grand Total | 13.0 | 7.0 |

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.

Earlier this case was scheduled in 330th SEAC meeting dated 24/10/2018 wherein PP vide letter no. nil dated 22.10.2018 has requested to postponed the presentation due to his sickness hence unable to attend this meeting. The letter was placed before the committee. Committee accepted the request made by the PP and decided to call the PP in up-meeting.

PP has submitted the reply of above vide letter dated 04/10/2018 and the same was placed before the committee which was found suitable and acceptable. PP also stated that a village road which is passing within the lease area is falling on the non-mineralized area and mining is not proposed and also access should also be provided to the villagers. During discussion PP submitted that a Khasra number 6gha shall be changed to 5 gha as Khasra no. 6gha is not in existence and wrongly mentioned by them in the documents. To support their statement PP

submitted the copy of lease approval letter from GoMP issued vide letter dated 26/01/2017. PP has also obtained approval under section 2(iii) of Forest (Conservation) Act, 1980 for diversion of 11.56ha land issued vide letter dated 05/01/2017. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for 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 gha-; Total Area-1.07; Ownership-G.R.F.L. Khasra No.-716/2 tha , 3gha,4ga,5gha,6kha, 7kha,8kha, 9kha; Total Area-10.49 Ha., Capacity - Pahadi, Tehsil-Katni, District-Katni (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. PP shall also be give access to the villagers on road which is passing within the lease area falling on the non-mineralized area.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Tar/WBM road should maintain for carrying out the transportation shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. PP shall use the rock breakers for the mining purposes and no deep whole blasting shall be deployed.
11. Retaining wall along with drain shall be provided all around the down side of the hillock with at least 1 mtrs height.
12. PP shall carry out slope stability study once in year and report shall be submitted MP, SEIAA/ SEAC.
13. Provision of solar pumps shall be made for various purposes during mining operation wherever feasible.
14. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining

and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.

15. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 12,000 no's of trees will be planted along and within the ML.
16. Transportation of material shall be done in covered vehicles.
17. Transportation of minerals shall not be carried out through forest area.
18. The OB as murum shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
19. No water shall be discharged outside the mine and "Zero Liquid Discharge" should be maintained.
20. Water sprinkling through tankers should be provided on 500 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 70 meters long and width 06 meters wide transport road for dust suppression.
21. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
22. The existing and proposed land use plan of the mine is as follows:

| 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 |

23. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
24. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
25. The commitments made in the public hearing are to be fulfilled by the PP.

26. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
27. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

28. The proposed EMP cost is Rs. 13.00 lacks and Rs. 07.0 lacks /year are proposed as recurring cost.
29. Under CSR activity, Rs. 5 lacks and Rs. 4 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
30. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
31. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
32. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
33. PP will comply with all the commitments made vide letter dated 04.10.2018.
34. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

14. Case No. – 5762/2018 Sarpanch, Gram Panchayat Musamudi, Tehsil Bajag, District Dindori (MP)-481882. Prior Environment Clearance for Sand Quarry in an area of 7.00 ha. for production capacity 65,193.75 cum/year at Khasra No.-54, Village Musamundi, Tehsil Bajag, District Dindori (MP).

This is case of Clearance for Sand Quarry in an area of 7.00 ha. for production capacity 65193.75 cum/year at Khasra no.- 54, Village Musamundi, Tehsil Bajag, District Dindori (MP). 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 Concerned Mining Officer vides letter no.- 443 dated 01/08/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed as per the Google image based on the co-ordinated provided by the PP that most parts of the lease are submerged in water and very scanty dry area is available for sand evacuation. It was also observed that two co-ordinated provided in mine plan are falling in agricultural field. During discussion it was observed by the committee that the submitted replenishment plan is not approved by the competent authority. Thus after discussion committee has asked the PP to submit the following information:

1. Revised production plan on production map clearly indicating available dry area for evacuation of sand.
2. Revised co-ordinate of the lease duly verified by the competent authority.
3. Replanishment plan approved by the competent authority.
4. Revised plantation numbers and species as suggested by the committee.
5. Revised EMP and CSR activities with appropriate budget.
6. Evacuation route clearly marked on the Google map.

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Sonal Mehta)
Member

(Dr. J.P. Shukla)
Member

(Dr. R. Maheshwari)
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/Murrum 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 tarpauline 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.