

The 334<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 30<sup>th</sup> 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. - 5656/2018 Shri Rajendra Deshmukh, 229, Miragpur, Teh. Khairlanji, Dist. Balaghat, MP – 481449 Prior Environment Clearance for Manganese Ore Mine in an area of 4.20 Ha. (2000 TPA) (Khasra no. 241/2, 241/5-3, 241/7, 241/4, 239, 238/1, 237/1, 237/5, 232/1, 233 part, 234 part, 235 part, 237/3, 238/2, 237/2, 237/6-8, 241/8, 241/11) at Village- Miragpur , Tehsil - Khairlanji, Dist. Balaghat (MP).**

This is case of Manganese Ore Mine. The proposed site is located at (Khasra no. 241/2, 241/5-3, 241/7, 241/4, 239, 238/1, 237/1, 237/5, 232/1, 233 part, 234 part, 235 part, 237/3, 238/2, 237/2, 237/6-8, 241/8, 241/11) at Village- Miragpur , Tehsil - Khairlanji, Dist. Balaghat (MP) 4.20 Ha. The project requires prior EC before commencement of any activity at site.

This case was scheduled for the TOR presentation in 310<sup>th</sup> SEAC meeting 24/03/2018. During Presentation following Projects details were provided by the PP:

| S, No | Particulars                                      | Details  |
|-------|--|--|
| 1     | Name of the project & its location:              | Miragpur Manganese Ore Mine<br>Area – 4.20 hectare ,<br>Khasra No. - 241/2, 241/5-3, 241/7, 241/4, 239, 238/1, 237/1, 237/5, 232/1, 233 part, 234 part, 235 part, 237/3, 238/2, 237/2, 237/6-8, 241/8, 241/11, Village Miragpur, Tehsil Khairlanji District Balaghat |
| 2.    | Name of the Company, Address Tele No. & E-mail : | Shri Rajendra Deshmukh<br>229, Miragpur, P.O. Miragpur, Tehsil Khairlanji, District Balaghat, - 481449 Madhya Pradesh<br>Tel No. 87198449434   |
| 3     | Latitude and Longitude of the project            | Latitude – 21 <sup>0</sup> 37'59.6" to 21 <sup>0</sup> 37'58.6"N<br>Longitude – 79 <sup>0</sup> 50'05.8" to 79 <sup>0</sup> 50'08.3"E  |

|    |  |  |
|----|--|--|
| 4  | If a Joint venture, the names & addresses of the JV partners including their share   | Shri Rajendra Deshmukh<br>(Individual Leasee)  |
| 5  | Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.   | Miragpur Manganese Ore Mine, Area – 4.20 hectare, is an existing mine.<br>The nearest village is Miragpur at 0.2 km, Nearest Highway- Katangi– Seoni Road is 5.4 km from mine. The mine is situated on Ramapayalai-Garrachowki State Raod, 6.2 km from Garrachowki. Garrachowki is situated on Tumsar- Katangi Road 40 kms from Tumsar. The mine is located to the North – West direction of the Village Miragpur. |
| 6  | Whether the project is in the Critically Polluted Area (CPA):  | No   |
| 7  | Cost of the project :  | Rs. 60.0 Lakhs   |
| 8  | Employment generated/to be generated:  | 25 Nos.  |
| 9  | Benefits of the project:   | The District will get the revenue in from of royalty from mine, and employment is being generated.   |
| 10 | Whether new or expansion project .If expansion:  | It's a new proposal for EC for the existing mine, The mine has Consent under water & Air Acts from MPPCB till March 2017   |
| 11 | If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF.   | 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 No. 537/MS-MS/MPPCB/SEAC/ TOR (129) 2013 Bhopal dtd. 29/06/2013 issued by SEAC.  |
| 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) | EC was not issued, as the case has been delisted by SEIAA as the case of major mineral and area less than 5.0 hectare.   |
| 15 | If the project was considered in EAC, Pl. gives dates of the meeting (s).  | Earlier the case was registered as CASE No. 1437/2013, and TOR has been granted by SEAC vide letter No. 537/PS-MS/MPPCB/SEAC/TOR (129) 2013 Bhopal dtd. 29/06/2013 and delisted by SEIAA vide letter No. 2011 dtd. 18/12/2013, as the case is of major mineral of area less than 5.0 ha. again the case  |

|    |   |  |
|----|---|--|
|    |   | relisted and due to absent of PP in SEAC meetings the case again delisted by SEIAA vide letter No. 2841 dtd. 30/07/2016. PP again apply afresh for grant prior EC and the case is considered in 310th SEAC meeting for approval of TOR |
| 16 | Type of Mine: (Open cast/Underground/mixed):  | Open cast mine.  |
| 17 | Capacity of the mine applied for  | Capacity - 2000 Ton per annum – Manganese Ore  |
| 18 | ML Area i. As per block allotment ii. As per approved mine plan   | Lease Area – 4.20 hectare  |
| 19 | Date of approval of mine plan, mine closure plan, status & date   | Mining plan approval letter No. 3456 Jabalpur dtd. 12/01/2018 for the period 2017-18 to 2021-2022.   |
| 20 | Date of Board's approval:   | Not applicable   |
| 21 | Date of Ground water clearance:   | Not applicable as only 5.0 kld water required in mines and source of water is mine pit water   |
| 22 | Date of mine closure approval   | Mine is operative mine and mine closure plan shall be submitted later on   |
| 23 | Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost. | Budget for EMP is proposed Rs. 1,25,000.00 per year and budget for CSR will be Rs, 1,50,000.00 per year.   |
| 24 | Number of plantation with name of species proposed in area allotted for plantation with budgetary provision.        | 2500 Nos. of saplings of species like Mango, Neem, Mahua, Jamun, Gulmohar, etc. shall be planted along with native species. Budget for plantation shall be Rs. 10.0 for the lease period.  |
| 25 | Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.                        | Bainganga River - 7.2 km - SW<br>Canal - 3.5 km - N<br>Village Pond - 0.2km - SE   |

During presentation it was observed through Google image that a village is in existence near the lease area for which PP submitted that considering a village on the northern side of the ML no blasting is proposed in this case and only manual mining is permitted as per the approved mine plan. After presentation committee recommends that it being a case of major mineral standard TOR prescribed by MoEF&CC may be issued with following additional TORs:-

1. During monitoring activities, appropriate photographs with date should be taken by and submitted along with the EIA Report.
2. Concerned Regional Officer, MP Pollution Control Board must be informed about the monitoring locations and monitoring should be carried out under intimation to him.
3. As submitted by PP that earlier mine was in operation as per the consent of the Board and since 2013-14 mine is closed for want of EC. Thus PP should submit the compliance report of consent conditions of the MPPCB and a commitment that mine is

closed since 2013-14.

4. Top soil management plan be discussed in the EIA report.
5. Ground water recharge study of the nearby area be carried out by the PP and same should be discussed in the EIA report.
6. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
7. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
8. Any alternate route avoiding the nearby habitations (if any). Traffic management plan to be provided in the EIA report.
9. Land use plan should be plotted on the map.
10. Proposal for zero liquid discharge should be discussed in EIA report.
11. Volume of OB material proposed to be used for road making should be discussed in EIA.
12. Peripheral drainage should be provided.
13. On the northern side of the ML area a village is in existence thus sufficient setback area should be left and same should be discussed in the EIA report.
14. Emergency rescue plan to be provided in EIA report.
15. Budgetary provisions for over-head sprinklers.
16. Production details of manganese ore that had already done in 2014-2015 to be given in the EIA report along with their Compliance of MPPCB consent condition.
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. The EIA document shall be printed on both sides, as far as possible.
23. All documents should be properly indexed, page numbered.
24. Period/date of data collection should be clearly indicated.
25. The letter /application for EC should quote the SEIAA file No. and also attach a copy

of the letter prescribing the TOR.

26. 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.
27. 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.
28. Grant of TOR does not mean grant of EC.
29. 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.
30. 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.
31. 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.

PP has submitted the EIA report vide letter dated 14/11/2018 which was forwarded through SEIAA vide letter no. 1715 dated 19/11/2018

In this meeting the case was presented by PP and their consultants presented following salient features of the project:

**Salient features of the project**

Miragpur Manganese Mining Project is located at village Miragpur, Tehsil Khairlanji, District Balaghat (M.P.). The total lease area of the mine is 4.20 ha. This lease were operated by Shri Rajendra Deshmukh and having consent under section 25/26 of the Water (Prevention & Control of Pollution) Act 1974 & under section 21 of the Air (Prevention & Control of Pollution) Acts 1981 from M. P. Pollution Control Board. The lease is valid upto 11/09/2032

|                     |                             |
|---------------------|-----------------------------|
| Name of the project | Miragpur Manganese Ore Mine |
|---------------------|-----------------------------|

|                              |   |
|------------------------------|---|
| Location of Mine             | Khasra No. 241/2, 241/5-3, 241/7, 241/4, 239, 238/1, 237/1, 237/5, 232/1, 233 part, 234 part, 235 part, 237/3, 238/2, 237/2, 237/6-8, 241/8, 241/11 |
| Latitude                     | 21038'01.8" to 23037'52.3" N  |
| Longitude                    | 79050'07.6"to 79050'16.9" E   |
| Land use                     | Govt. & Pvt. Land   |
| Minerals to be mined out     | Manganese   |
| Total Reserve                | 71735 Tonne   |
| Life of Mine                 | Approx. 36 years @ 2000 Tone/Annum  |
| Proposed production          | 2000 TPA , Manganese Mine   |
| Method of mining             | Open cast Float Ore Mining method   |
| No. of working day in a year | 300 days  |
| Water requirement            | 6 kld   |
| Source of water              | Ground water/ mine pit water  |
| Man power requirement        | 25 Nos.   |

| S.No. | Particulars               | Details   |
|-------|---------------------------|---|
| 1     | Nearest City              | Balaghat - 55 km from Mine  |
| 2     | Nearest Railway Station   | Tirodi on Tumsar-Tirodi B.G. line which is 26 km from lease area. |
| 3     | Nearest Airport           | Nagpur at about 152 km from the mines by road                     |
| 4     | Nearest Highway           | Seoni - Jabalpur SH is 32 km at mine site.                        |
| 5     | Nearest Village           | Miragpur at 0.2 km  |
| 6     | Topography                | gentle slope  |
| 7     | Ecological Sensitive Zone | No national parks and sanctuary within 10 km radius               |
| 8     | Interstate Boarder        | Maharashtra Boarder, more than 25 km                              |
| 9     | Nearest Forest            | More than 1720m (as per Forest NOC)                               |

### **Mining method**

Opencasts Float Ore mining operation are being carried out using hand tools such as chisel, hammer, crowbar and spades etc. The area under Float ore is earmarked on the plan. It is divided into 5 parts, each part for one year mining. It is proposed to cut a trench in the middle of each area of 2 x 2x 3m dimension creating free face. Mining will proceed in either direction towards North and South boundary. The deposit is sub- surface (Soft) deposit and does not require any drilling and blasting.

### **Water Requirement**

In mining activity no water is used in the process the use of water is only for domestic purpose, the quantity of water required is approx. 6,000 liters per day shall be taken from the nearby bore wells and accumulated rain water in mine pits.

### **Water requirement**

| S. No. | Head             | Quantity |
|--------|------------------|----------|
| 1.     | Dust suppression | 3.0 kld  |
| 2.     | Green belt       | 1.5 kld  |
| 3.     | Domestic         | 1.5 kld  |
|        | Total            | 6.0 kld  |

Company will also developed plantation in lease area which will improve the aesthetic environment. As the part of CST activity the company will undertake the developmental work in nearby area in consultation with local panchayat.

### **Public Hearing:**

The public hearing has been conducted as per the EIA Notification 2006 at mine site on 30/08/2018.

During presentation it was also observed that the site is in close proximity with the habitations for which PP submitted that it's a float ore mining and mining will be carried out manually. PP further submitted that no drilling and blasting is proposed in this project considering its proximity with the habitations. Committee after deliberations decided that 50

meters setback shall be left as non mining area and thisck green belt shall be provided by PP towards the village side. After presentation and discussion the committee asked to the PP to submit following information:

1. Revised EMP with appropriate budget as suggested by committee.
2. Revised CSR with appropriate budget as suggested by committee.
3. Commitment from PP for 50 meter setback towards the habitat excluding 7.5 meter barrier zone.

PP has submitted the response of above quarries same date vide letter dated 30.11.2018, 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 Manganese Ore Mine in an area of 4.20 Ha. (2000 TPA) (Khasra no. 241/2, 241/5-3, 241/7, 241/4, 239, 238/1, 237/1, 237/5, 232/1, 233 part, 234 part, 235 part, 237/3, 238/2, 237/2, 237/6-8, 241/8, 241/11) at Village- Miragpur , Tehsil - Khairlanji, Dist. Balaghat (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 expansion 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. For dust suppression, regular sprinkling of water should be undertaken.
6. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

7. No intermediate stacking of soil is permitted and same shall be utilized for plantation.
8. No drilling and blasting shall be carriedout as the proposal is for float ore mining through manual method of mining.
9. 50 meters area shall be left as non mining area from the nearest habitat excluding 7.5 meter barrier zone and retaining wall may also be provided towards habitate.



10. No tree falling is proposed during the mining activity.
11. 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 mining period including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) including the village side to provide additional protection in one year only. As proposed in the landscape plan & EMP a minimum of 1000 no's of trees will be planted.
12. Transportation road shall be made pucca.
13. Transportation of material shall be done in covered vehicles.
14. Transportation of minerals shall not be carried out through forest area.
15. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
16. As proposed Garland drains 250.0 X 2.0 X 1.0 and 400.0 X 2.0 X 1.0 (LXWXD) & 2 nos. of settling pits (size 150X100X3 (LXWXD) and 200X80X3 should be provided to avoid silt discharge. Settling tanks shall be connected with garland drains for proper sedimentation.
17. The existing and proposed land use plan of the mine is as follows:

| S. No. | PARTCULARS                    | PRESENT | TO BE ADDED IN Mining plan period | Area Reclaimed | END OF SOM PERIOD (Sqm) |
|--------|-------------------------------|---------|-----------------------------------|----------------|-------------------------|
| 1.     | Total area excavated (broken) | 2533.50 | 10009.5                           | 2061           | 7948.5                  |
| 2.     | Soil                          | -       | Nil                               | -              | Nil                     |
| 3.     | Cleaning Under Floor          | -       | 2982                              | -              | 2982.00                 |
| 4.     | Area Under Road               | -       | 1000.00                           | -              | 1000.00                 |
| 5.     | Area Under infrastructure     | -       | 1000.00                           | -              | 1000.00                 |
| 6.     | Area Under any other          | -       | 800.00                            | -              | 800.00                  |

|  |                   |  |         |                |          |
|--|-------------------|--|---------|----------------|----------|
|  | use-setting tank. |  |         |                |          |
|  | Total             |  | 15791.5 | (Less<br>2061) | 13730.50 |

18. 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.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

23. The proposed EMP cost is Rs. 0.80 lacks are proposed as capital expenses and Rs. 1.15 lacks as recurring expences.
24. Under CSR activity total Rs. 5.50 lacs will be spent as capital and @ Rs. 1.70 lacks/year is proposed as recurring for different activities.
25. 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.
26. 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.
27. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
28. PP will comply with all the commitments made vide letter dated 30.11.2018.
29. 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. - 5613/2017 M/s Bharat Petroleum Corporation Ltd, BPCL LPG Bottling Plant, Village - Bhitoni, NH - 12, P.O. Shahpura, Distt. - Jabalpur, (M.P.). Prior Environment Clearance for Construction of 3 x 1450 MT Mounded Storage Vessels at LPG Plant Village- Pondi, Bhitoni, Bhamki, Tehsil - Jabalpur, Dist. - Jabalpur (M.P.). Cat. - 6(b) Isolated Storage & handling of Hazardous Chemicals. Env. Con. – ABC Techno Labs India Pvt. Ltd. Mumbai.(Maharashtra).**

The project proposal is for Augmentation of existing BPCL POL depot Construction of 3 x 1450 MT Mounded Storage Vessels at LPG Plant Village- Pondi, Bhitoni, Bhamki, Tehsil - Jabalpur, Distt. - Jabalpur (MP) (Cat. – 6 (b) Isolated Storage Project).

The case was presented by the PP and their consultant wherein during presentation; PP submitted that this proposal is of expansion for Construction of 3 x 1450 MT Mounded Storage Vessels at LPG Plant Bhitoni, Jabalpur with following details:

- Ministry of Petroleum & Natural Gas (MoP&NG), has been encouraging Oil Companies to augment their existing facilities and/or construct new facilities to bridge the gap between demand and supply.
- BPCL is one of the leading companies in Public Sector engaged in the oil refining and marketing of its products in the country.
- Pradhan Mantri Ujjwala Yojana (PMUY) aims to safeguard the health of women & children by providing them with a clean cooking fuel – LPG to BPL homes.
- To meet the shortage of LPG cylinders supplied under this scheme, government in Jabalpur plans to expand the already existing BPCL LPG plant to match the market demands in and around the area.
- BPCL proposes to provide LPG Storage in the form of 3x 1450 MT Mounded Storage Vessels in the existing Plant at Bhitoni, Madhya Pradesh, which is distributed through LPG Cylinders in various markets of Madhya Pradesh.

| S.No.  | Tank | Tank Diameter | Tank/ Length (m) | Class | Tank Type | LPG Tank Capacity | Existing & Proposed Capacities | Final Capacity after expansion |
|--|------|---------------|------------------|-------|-----------|-------------------|--------------------------------|--------------------------------|
| Existing LPG Storage Spheres- Horton Spheres |      |               |                  |       |           |                   |                                |                                |
| 1  | LPG  | 14            | Nil              | A     | Sphere    | 650 MT            | Existing                       | 6950 MT                        |

|   |     |    |      |   |        |         |                                   |
|---|-----|----|------|---|--------|---------|-----------------------------------|
| 2   |     | 14 | Nil  | A | Sphere | 650 MT  | Capacity:<br>2,600 MT             |
| 3   |     | 14 | Nil  | A | Sphere | 650 MT  |                                   |
| 4   |     | 14 | Nil  | A | Sphere | 650 MT  |                                   |
| <b>Proposed LPG Storage Mounded Bullets</b> |     |    |      |   |        |         |                                   |
| 5   | LPG | 8  | 65.5 | A | MSV    | 1450 MT | Proposed<br>Capacity:<br>4,350 MT |
| 6   |     | 8  | 65.5 | A | MSV    | 1450 MT |                                   |
| 7   |     | 8  | 65.5 | A | MSV    | 1450 MT |                                   |

**PROJECT DETAILS**

|                             |   |
|-----------------------------|---|
| Name of the Project         | Proposed Construction of 3 x 1450 MT Mounded Storage Vessels at LPG Plant Bhitoni     |
| Location                    | Village Bhitoni, N.H. 12, P.O. Shahapura, District, Jabalpur, Madhya Pradesh – 483119 |
| S.No.in the schedule        | 6(b), category “B”<br>(Isolated Storage & Handling of Hazardous Chemicals)            |
| New/Expansion/Modernization | Expansion   |
| Existing Capacity           | 4 X 650 MT, Horton Spheres for LPG Storage  |
| Proposed Capacity           | 3 X 1,450 MT Mounded Storage Vessels  |
| Cost of project             | Rs. 7,845 Lakhs   |

**AREA STATEMENT**

| S.No. | Particulars                 | Area (m <sup>2</sup> ) | Total Area (Acres) | Percentage (%) |
|-------|-----------------------------|------------------------|--------------------|----------------|
| 1     | Plant/ Storage Area         | 1,53,578.15            | 38                 | 55             |
| 2     | Roads                       | 8,376.99               | 2.05               | 3              |
| 3     | Green Belt                  | 92,146.89              | 26.49              | 33             |
| 4     | Area required for expansion | 25,130.97              | 2.51               | 9              |
|       | <b>Total Plant Area</b>     | <b>2,79,233.00</b>     | <b>69</b>          | <b>100</b>     |

**RESOURCES REQUIREMENT**

| S.No. | Particulars | Existing | Proposed |
|-------|-------------|----------|----------|
|-------|-------------|----------|----------|

|   |                       |  |   |
|---|-----------------------|--|---|
| 1 | Water Requirement     | TOTAL: 14 KLD<br>(Domestic: 4 KLD, Industrial: 10KLD)  | There will not be any change in the water requirement.  |
| 2 | Power Requirement     | 450 KVA /MPEB<br>Alternate Sources of power supply during energy shortage is met with diesel generators of 1 no. of 400 KVA, 380 KVA and 100 KVA (100 KVA capacity DG set will be used in emergency period). | Replacement of 380 kVA DG set by 700 kVA DG set.  |
| 3 | Land Requirement      | 69 Acres   | There will not be any change proposed expansion will be within the existing premises                  |
| 4 | Man power Requirement | 120 nos. people<br>(30 workers, 10 skilled, contract workman 80)   | 40 nos. in construction phase.<br>120 (No additional requirement in operation phase after expansion). |

**PROPOSED MOUNDED STORAGE VESSEL -Salient features:**

- Protects from direct flame impingement caused by any eventual fire
- Prevent initiation of the sequence of events leading to an occurrence of BLEVE.

**ENVIRONMENTAL SETTINGS**

|   |                          |
|---|--------------------------|
| Latitude  | 23°8'34.27"N             |
| Longitude   | 79°40'49.05"E            |
| Nearest Town/City/District Headquarters                               | Jabalpur , 30 km         |
| Nearest highway   | National Highway NH- 12  |
| Nearest Railway Station   | Bhitoni (BHTN), 2 km     |
| Nearest Airport   | Jabalpur Airport – 45 Km |
| Seismic Zone of Site  | Zone – III ( Moderate)   |
| No National park/sanctuaries/ archeological sites etc. in 5 km radius |                          |

After presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's:-

1. All the safety related aspects should be proposed in the EIA report.
2. Site specific risk assessment study should be carried out and same should be submitted with EIA report with disaster management plan and risk details.
3. Detailed green belt plan with area, name of species and their number should be provided along with the inventory of existing trees in EIA report.

4. Tree felling is also proposed PP should submit the details of area with number of tree, species and permission from the competent authority.
5. Any other area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.
6. Detailed fire fighting arrangements proposed should be discussed in the EIA report.
7. If there is any sensitive area within 05 kms radius of the proposed project site, the proposed safety measures in case of any accident should be discussed in the EIA report.
8. Input and output of modeling data should be annexed with the EIA report.
9. Details of all construction material related to this expansion project should be submitted with the EIA report.
10. Detailed parking facilities wrt to existing capacity and expanded facility and detailed traffic management plan should be discussed in the EIA report.
11. PP should explore the possibility of providing alternate entry & exit road as proposed entry & exit is on the highway.
12. Cost benefit analysis should be carried out and discussed in the EIA report.
13. 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.
14. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
15. 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.
16. 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.
17. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
18. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
19. Details of Environmental Cell & CSR committee.
20. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

PP has submitted the EIA report vide letter dated 16/10/2018 which was forwarded through SEIAA vide letter no. 1560 dated 17/10/2018.

The case was presented by the PP and their consultant. After discussion the PP was asked to provide following information:

1. Submit drainage pattern of the area.
  2. Application copy of CGWB permission for ground water withdrawal.
  3. As proposed 38% Green belt area to be marked on the lay out map.
  4. Copy of Authorization regarding Hazardous waste generation.
  5. Organogram of safety management in the plant.
  6. Revised CSR budget.
  7. Tree falling permission from the DFO as 80 trees are proposed to cut down.
  8. Revised plantation scheme as suggested.
3. **Case No.-5462/2016 Shri Prasenjit Singh, M/s Piprahat Limestone Mine, Vill. Piprahat, Teh. Maihar, Dist. Satna, MP. Prior Environment Clearance for Limestone Mines in an area of 8.068 ha. (1,67,200 TPA) (Khasra no. 48, 177, 178, 179, 180, 181) at Village-Piprahat, Tehsil - Maihar, Dist. Satna (MP).**

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. 48, 177, 178, 179, 180, 181) at Village-Piprahat, Tehsil - Maihar, Dist. Satna (MP). 8.068 ha. The project requires prior EC before commencement of any activity at site.

Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee in the 63<sup>rd</sup> SEAC-II meeting dated 24/12/2016. The presentation and the submissions made by the PP reveals following:

It was submitted that this mine is operational with Environmental clearance and consent to operate from MPPCB. The proponent wish to capacity expansion from 1,500 to 1,67,200 MTonnes per annum. Accordingly the mine plan has been approved.

### Environment setting

| Particulars | Details  |
|-------------|--|
| Village     | Piprahat   |
| Tehsil      | Maihar   |
| District    | Satna  |
| State       | MP   |
| Latitude    | 24 <sup>o</sup> 08'06.9" to 24 <sup>o</sup> 08'19.9" North |
| Longitude   | 80 <sup>o</sup> 46'18.7" to 80 <sup>o</sup> 46'29.8" East  |

|  |   |
|--|---|
| General Ground Level   | 399 m MSL   |
| Elevation range  | Highest – 400m MSL<br>Lowest – 398m MSL   |
| Nearest Village  | Piprahat -0.50 km – S   |
| Nearest National/state Highway                               | Jabalpur-Katni-Maihar Road (NH-7) – 8.85 km - NNW<br>Barhi-Sarlanagar Road-(SH-11)- 4.40 km-E |
| Nearest Railway Station                                      | Bhadanpur Railway Station – 10.0 Km   |
| Nearest Airstrip   | Satna - 45.0 km   |
| Nearest Tourist Place within 10km radius.                    | None within 10 km radius  |
| Archaeological Important Place                               | None within 10 km radius  |
| Ecological Sensitive Areas (Wild Life Sanctuaries)           | None within 10 km radius  |
| Reserved / Protected Forest (Boundary to boundary distance)  | None with in 10 km radius   |
| Hills/valley within 10 km radius                             | Kaymore hill - 1.10 km - N  |
| Nearest major city with 100000 population within 10km radius | None in 10 km radius  |
| Nearest Town / City within 10 km radius                      | None within 10km radius   |
| Nearest River  | Tamas (Tons) River - 5.30 km – NW   |
| Nearest Nalla/ pond  | Kalindari N -2.40 km - E<br>Chakdahi Nalla - 1.25km - SW                                      |
| Industry with in 10 km radius                                | Maihar Cement Plant -7.0 km   |

It was reported by the PP that:

- The lease area of 8.068 hectares was originally granted in favour of Smt Shusila Singh. After that lease has been transfer to Shri Prasenjit Singh to balance period upto 30.03.2023
- 4 other lease area are located within 500m radius,
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur
- The PP has already been obtained environment clearance from SEIAA for capacity of 1500MTPA. Mine is running with valid consent to operate with production capacity of 1500Mmpa.



**Salient feature of the lease area**

| Particulars  | Details            |
|--|--------------------|
| Type of Mine   | Open Cast          |
| Mining Lease Area  | 8.068 ha           |
| Mineable Area  | 7.1567 ha          |
| Existing Pits & Quarries                                 | 1.3115 ha          |
| Existing Dumps   | 0.5557ha           |
| Plantation   | 0.20 ha            |
| Existing water body                                      | 0.25 ha            |
| Existing backfilled area                                 | Nil                |
| Mineable Reserve   | 22,13,017 MT       |
| Method of mining   | OTFM               |
| Ultimate Depth of Mining                                 | 28 m bgl (370 mRL) |
| Ultimate Pit Slope                                       | 45 <sup>o</sup>    |
| Expected Life of Mines                                   | 14 years           |
| Stripping Ratio  | 1:0.45             |
| Existing mode to transportation                          | Road               |
| Area to be covered under dumps in conceptual period      | Nil                |
| Area covered under pit in conceptual period              | 7.1567 ha          |
| Area to be backfilled by conceptual period               | 1.48 ha            |
| Area to be covered under plantation by conceptual period | 2.9325 ha          |
| Area to be covered under water reservoir                 | 4.9942 ha          |
| Elevation  | 400-398 mRL        |
| Ground water table                                       |                    |
| Pre monsoon  | 362 mRL (38 bgl)   |
| Post monsoon   | 368 mRL (32 bgl)   |
| Production per day in MT                                 | 557 MT             |
| Dumper required per day (24MT)                           | 23 no.             |

**GEOLOGY OF THE MINE**

| Geology and deposit appraisal |  |
|-------------------------------|--|
| Local geology                 | The lease area has ore zone having Limestone. The Limestone beds are gentle to moderately 30 <sup>o</sup> N dipping towards the north and belong to the Semri group formation. The major litho unit is Limestone. The dipping is 30 <sup>o</sup> due North; the trend of rocks is ENE-WSW to E-W strike. |
| Lithology                     | 0.0 – 5.0 – Avg. Lateritic soil<br>5.0 – 30 m – avg. limestone   |

|  |   |
|--|---|
| Average thickness                      | 24m   |
| Lease area                             | 8.068 ha  |
| Mineable area                          | 7.1567 ha   |
| AMSL                                   | 400-398 mRL   |
| Height of bench, width and no of bench | Development- 3 no. avg. Height of 1.5 m& 2.0m(lateritic soil)<br>Production – 2 no. – 6m height & 6 mt width. (Limestone) |
| Width of haulage road                  | 11 m wide with gradient of 1:16   |
| Mineral reject                         | 20%   |

### **Mining Method**

- Presently Mining activity is being operated for capacity of 1500 Mt per year.
- Opencast OTFM mining is proposed for capacity expansion.
- Lump of Limestone will be transported from pit bottom to surface by dumper
- Presently area has been developed with one pit (1.3115ha) up to 385 m AMSL.
- During the proposal period; three development bench and two production benches are proposed with height of 3-6m and width will be 6 m respectively up to 399 m to 382 m AMSL.
- During the conceptual period 11 m wide haulage roads will be maintained and developed at required places with gradient of 1:16.
- At the End of SOM period, about 3.3045 ha area will be excavated up to 382m AMSL.
- At the end of conceptual period, about 7.1567 ha area will be excavated up to 370 m AMSL and out of this about 1.48 ha area will be backfilled using mine waste and rest of mined out area i.e. 4.9942 ha are will be converted as water reservoir with proper fencing.
- At the end of conceptual period about 2.9325 ha area will be afforested with 2452no of trees.

### **Existing and proposed land use plan**

| <b>Items</b>             | <b>Existing</b> | <b>Conceptual Period</b> |
|--------------------------|-----------------|--------------------------|
| Total lease area         | 8.068 ha        |                          |
| Ultimate depth of mining | 385 m MSL       | 370 m MSL                |
| Ultimate pit slope       | 45 degree       | 45 degree                |
| Area under dumps         | 0.5557 ha       | Nil                      |
| Area under pits          | 1.3115 ha       | 7.1567 ha                |
| Area to be reclaimed     | Nil             | 1.48 ha                  |
| Infrastructure & Road    | 0.194 ha        | 0.196 ha                 |
| Mineral storage          | Nil             | Nil                      |

|            |        |           |
|------------|--------|-----------|
| Plantation | 0.2 ha | 2.9325ha  |
| Water body | 0.25ha | 4.9942 ha |

The case was presented by the PP and their consultant in 63<sup>rd</sup> SEAC-II meeting dated 24/12/2016. wherein it was observed that being it's a case of major mineral 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 earlier EC conditions duly authenticated by MoEF&CC.
7. Year wise details of minerals already excavated till date should be submitted with EIA report.
8. PP has to submit the lease validity extension certificate along with EIA report. (If applicable)
9. Atleast 07 stations should be selected for monitoring and results should be discussed in the EIA report.

PP has submitted the EIA report vide letter dated 22/09/2018 which was forwarded through SEIAA vide letter no.-1418 dated 27/09/2018.

The case was scheduled for the EIA presentation in 329<sup>th</sup> 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. Committee decided to call the PP in subsequent meetings and in case the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

In this meeting the EIA was presented by PP and their consultant. During discussion, Pp informed that they have submitted the MoEF&CC compliance report and as per the compliance report the compliance is found satisfactory. It was also instructed by the committee that the evacuation road from mining lease to the main road shall be made pucca

by the PP. After details discussion committee has aksed the PP to submit the following information:

1. Revised CSR programme and budget
2. Revised EMP cost inclusive of construction of pucca road up to Bhadanpur Kaymore road.

PP has submitted the response of above quarries vide letter dated 30.11.2018 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 Pipahat Lime Stone ine Mining lease in an area of 8.068 ha. (Capacity expansion from 1500 TPA to 167200) at , at Village –Piparhat Teh-Miahar , Distt-Stana- (M.P), 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. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

8. Over head water sprinkling system shall be provided to the transport vehicle which will carry the saleble waste material. If possible.
9. The transportation road (approx. 150 meters) from mining lease to the main road shall be made pucca.
10. No overcharging during blasting to avoid vibration.
11. Muffle blasting shall be carried out considering habitation approx. 350 meter away from lease.
12. No explosive will be stored at mine site.
13. No dump shall be stacked outside the lease area.

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 5415 no's of trees will be planted along and within the ML. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
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 till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
19. Garland drains 450.0 x 1.00 x 1.00, 410.0x 1.00 x 1.00, 450.0x 1.00 x 1.00, 450.0x 1.00 x 1.00, 483.0x 1.00 x 1.00 with 7 settling pits should be provided to avoid silt discharge. One proposed settling tanks (15X10X5 mtrs) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
20. Water sprinkling through tankers should be provided on 1000 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 150 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. | Items                    | Existing            | At the end of conceptual period |
|--------|--------------------------|---------------------|---------------------------------|
| 1      | Total lease area         | 8.068ha             |                                 |
| 3      | Ultimate depth of mining | 13m bgl (385m AMSL) | 28m bgl (370 m AMSL)            |

|     |                          |                   |                    |
|-----|--------------------------|-------------------|--------------------|
| 4   | Ultimate pit slope       | 45 o              | 45 o               |
| 5   | Area under dumps         | 0.5557ha          | Nil                |
| 6   | Area under mineral stack | Nil               | Nil                |
| 7   | Area under pits          | 1.3115 ha         | 7.1567ha           |
| 8   | Infrastructure & Road    | 0.194ha           | 0.1413 ha          |
| 9   | Plantation               | 0.225ha           | 0.77ha             |
| 10  | Un-worked area           | 5.7818ha          | Nil                |
|     | Total                    | 8.068ha           | 8.068ha            |
| 1   | Water body               | 0.50ha            | 4.9942ha           |
| 2   | Area to be backfilled    | Nil               | 1.48ha             |
| 3   | Plantation               | 0.225 ha (160no.) | 2.9325ha (no.)     |
| 3.1 | Un-worked area           | 0.225 ha (160no.) | 0.77ha (1250no.)   |
| 3.2 | Bench of pit             | Nil               | 0.6825ha (1365no.) |
| 3.3 | Backfilled area          | Nil               | 1.48ha (2960 no.)  |
| 3.4 | Dump area                | Nil               | Nil                |

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. 34.82 lacks and Rs. 13.85 lacks /year are proposed as recurring expenses out of which Rs. 13.89 lacks is proposed for green belt development inclusive of green belt along transport road and Rs. 2.50 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
  29. Under CSR activity, Rs. 14 lacks and Rs. 3 lacks /year are proposed as recurring and capital 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 30.11.2018.
  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
4. **Case No. - 5785/2018 M/s. BCM Hospitals LLP, M1, BCM Heights, Shri Badalchand Mehta Marg, Sch. No. 54, Indore, MP – 452010 Prior Environment Clearance for Construction of BCM Hospital (Plot Area = 10120 sqm., Net Planning Area = 9450 sqm., Built-up Area = 37276.29 sqm) at Khasra no.- 47/3/2, 50/1 , 50/2/1, village - Nipaniya, Tehsil - Indore & Dist. Indore, MP.**

This is case for Prior Environment Clearance for Construction of BCM Hospital (Plot Area = 10120 sqm, Net Planning Area = 9450 sqm, Built-up Area = 37276.29 sqm) at Khasra no.- 47/3/2, 50/1 @ 50/2/1, village - Nipaniya, Tehsil - Indore & Dist. Indore, MP. The project requires prior EC before commencement of any activity at site. PP has submitted their application forwarded by the SEIAA vide letter no. 1701 dated 16/11/2018.

In this meeting the case was presented by PP and their consultant wherein PP presented the salient features of the project which are as follows:

The Proposed BCM Hospital is located at 47/3/2, 50/1 & 50/2/1 Khasra Nipaniya, District Indore being developed by M/s BCM Hospital LLP. The land has taken on long term lease by M/s BCM Hospital LLP for the development of Hospital. The total plot area of the proposed project is The builtup area of the project is 37376.29 sqm hence it falls under the activity 8 (a) category B of the EIA notification, 2006. It includes Main Hospital block (300bedded). The plot area of the project is 10120 sqm net planning area is 9450 sqm, out of which 2,825.51 sqm will be used as ground coverage. The available FAR of the project is 21579.51 sqm. There will be 2 level of the basement with basement area of lower basement is 4865.21 sqm and upper basement is 4768.70 sqm. The no of floors is G+9. The maximum height of the building is 42 m and the green area of the project is 1420 sqm (14%) of the plot area.

**Activities/ Amenities**

The proposed projects includes Main Hospital block (300 bedded).

**Site Location**

The Proposed BCM Hospital is located at 47/3/2, 50/1 & 50/2/1 Khasra Nipaniya, District Indore. The location of site is given in EMP Report.

**Type of Project**

The proposed hospital is to be developed at a plot area of 10120 sqm ( 2.50 Acres) and net planning area is 9450 sqm. The built- up area of the project is 37376.29 sqm hence it falls under the activity 8 (a) category B of the EIA notification, 2006.

**Population Details**

**During Construction Phase-** 150 Nos. of local labour will be employed for the construction of the project.

**During Operation Phase-** the total population of the project has been estimated to be 1000 persons. The population details are given in Table.

**Table: Estimation of Population**

| Sl. | No Particulars   | Population |
|-----|------------------|------------|
| 1.  | Inpatients       | 300        |
| 2.  | OPD Patients     | 100        |
| 3.  | Staff & employee | 300        |



|    |              |             |
|----|--------------|-------------|
| 4. | Visitors     | 300         |
|    | <b>Total</b> | <b>1000</b> |

**Project Details:**

| Sr. no. | Description                       | Details   |
|---------|-----------------------------------|---|
| 1.      | <b>Plot Area (sq m)</b>           | <b>10120 sqm (2.50 Acres) and net planning area is 9450 sqm</b> |
| 2.      | Ground Coverage (Permissible)     | 2,825.51sqm   |
| 3.      | FAR (available)                   | 21579.51 sqm  |
| 4.      | Basement I                        | 4865.21 sqm   |
| 5.      | Basement II                       | 4768.70 sqm   |
| 6.      | Green area                        | 1420 sqm  |
| 7.      | Road area                         | 670 sqm   |
| 8.      | <b>Built up Area (sq m)</b>       | 37376.29 sqm  |
| 9.      | No of basement                    | 2   |
| 10.     | No of towers                      | 1   |
| 11.     | No of floors                      | G+9   |
| 12.     | Height of building.               | 42 mtr  |
| 13.     | Water Requirement (KLD)           | 250 KLD   |
| 14.     | Source of Water                   | Indore Municipal Corporation                                    |
| 15.     | Power Requirement (KW)            | 3476 KW   |
| 16.     | Source of Power                   | MPEB  |
| 17.     | Backup Power (Source & Capacity)  | 2 Nos. 750 KVA + 1 No. 1000 KVA                                 |
| 18.     | No. of Rain water harvesting pits | 4   |
| 19.     | Total Solid waste generation      | 368 Kg/day  |
| 20.     | Total Biomedical waste generation | 108 kg/day  |
| 21.     | Parking                           | 4768.70 sqm   |

**Water Management**

**Water Requirement**

During construction phase, treated water will be arranged on temporary basis through the tankers. During operation phase, water requirement will be met through municipal supply.

### **Rain water collection Details**

Total 4 nos. of Rain Water harvesting pit shall be provided in the project site.

### **Power Requirement & Back-up**

During Construction Phase- DG sets and connection from MPEB will be taken to meet the power requirement during the construction works.

**During Operation Phase-** The total power requirement will be 3476 KW which will be met

by MPEB. DG sets of 1x 1000, 2x 750 KVA shall be installed, used for power back- up in common area of the sites.

### **Solid & Hazardous Waste Management**

**During Construction Phase-** Soil will be excavated due to excavation for foundation. Total 23 kg/day of waste will be generated from laborers.

**During operation phase-** Total 368 kg/day solid waste will be generated from the project. The bio-medical waste from 300 beds will be 108 kg/day which will be given to approved biomedical waste service. 60 ltrs/month used oil shall be generated and 5 kg/month Ewaste will be generated. Battery waste shall be generated mainly from inverters & UPS.

### **Parking Management**

**During construction phase-** Proper parking provisions of trucks and other construction vehicles shall be made. Proper spaces for loading and unloading shall be defined.

**During operation phase-**

Parking required for the proposed project will be 4768.70 sqm and shall be made within hospital. Details are given in EMP Report.

### **Green Area Development**

Total plantation area for the project will be approx. 1420 sqm (14% area of the plot area) It will include plantation of big foliage trees, herbs, shrubs etc.

After presentation PP was asked to provide following details:

- Revised plantation scheme as suggested by the committee
- Revised EMP with appropriate budget as suggested by PP.

PP vide letter dated 30.11.2018 has submitted the reply of above queries which was found satisfactory and acceptable to the committee. Hence, the case was recommended for grant of prior EC for Construction of BCM Hospital (Plot Area = 10120 sqm., Net Planning Area = 9450 sqm., Built-up Area = 37276.29 sqm) at Khasra no.- 47/3/2, 50/1 @ 50/2/1, village - Nipaniya, Tehsil - Indore & Dist. Indore, MP. subject to the following special conditions:

**(A) PRE-CONSTRUCTION PHASE**

1. Curtaining of site should be carried out to protect nearby habitat.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. Provisions shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc.

**(B) CONSTRUCTION PHASE**

5. The excess treated water will be used for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
6. PPE's such as helmet, ear muffs etc should be provide to the workers.
7. Fire extinguishers should be provided on site during construction period.
8. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
9. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
10. 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 area under plantation/greenery will be 1420 Sq.meters. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
11. MSW storage area should be provided with sufficient storage capacity and MSW should be disposed off at a designated place in consultation with the local authority. PP should take proper precaution for its disposal as per CPCB MSW guidelines. As proposed, Biodegradable waste should be treated through biocomposter.

12. The Bio-medical Waste shall be stored and disposed off as per Bio-Medical Waste Management Rules, 2016. The generated biomedical waste shall be disposed off through authorized disposal facility.
13. Bio-medical waste shall not be disposed off with MSW.
14. Land use breakup details as proposed by PP for this facility are as follows:

| <b>Sl. No</b> | <b>Description</b>            | <b>Details</b>   |
|---------------|-------------------------------|--|
| 1             | Plot Area (sq m)              | 10120 sq m (2.50 Acres) and net planning area is 9450 sq m |
| 2             | Ground Coverage (Permissible) | 2,825.51sq m   |
| 3             | FAR (available)               | 21579.51 sq m  |
| 4             | Basement I                    | 4865.21 sq m   |
| 5             | Basement II                   | 4768.70 sq m   |
| 6             | Green area                    | 1420 sq m  |
| 7             | Road area                     | 670 sq m   |
| 8             | Built up Area (sq m)          | 37376.29 sq m  |
| 9             | Parking                       | 4768.70 sq m   |

15. 04 number rain water harvesting pits (size 2.4mx1.5mx1.8m) should be provided and their design should be based on recharge rate study.
16. LED should be preferred over of tube lights.
17. Provision for physically challenged person's tube made so that they easily excess pathway/derive way for their vehicles.
18. PP should explore the possibility of providing solar street light.
19. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.
20. Power back-up for un-interrupted operations of STP shall be ensured.

**(C) POST CONSTRUCTION/OPERATIONAL PHASE**

21. Fresh water requirement for the project shall not exceed 250.0 KLD.
22. The total waste water generation shall be 207 KLD. The domestic waste water (160 KLD) will be treated in STP of 220 KLD and waste water from Laundry and Lab (47 KLD) shall be treated in ETP of 55 KLD.
23. Treated water shall be reused in gardening, flushing purposes. No waste water shall be discharged outside the premises and zero liquid discharge shall be maintained.
24. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
25. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
26. PP should provide roof top solar pannels and also explore the possibility of providing lead free shielding material in designated places.

**(D) ENTIRE LIFE OF THE PROJECT**

27. PP has proposed Rs. 08.0 lacks as capital cost and Rs. 1.00 lacks/year for recurring expenses in the proposed EMP of this project, out of which Rs. 1.5 lacs as cital and rs. 2.50 lacs/year kept aside for plantation.
28. Under CSR activity, Rs. 20.0 lakhs/year are proposed in different activities and should be implemented through respective committees.
29. As proposed, the plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
30. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.
31. The environmental policy with Environmental Management Cell as per MoEF guideline will be prepared by PP and the with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
32. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
33. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

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.

**5. Case No. - 5783/2018 Smt. Surendra Pal Kaur, Ward no. 1, Near Idea Tower, Nipaniya, Rewa, M.P. Prior Environment Clearance for Limestone Mine in an area of 4.05 Ha. Production Capacity-60,000 ton per annum and 10,410 m<sup>3</sup> Salable OB(Waste) Reject (Khasra No. 32 Part) at Village- Baijnath, Tehsil - Huzur, Dist. Rewa (MP).**

This is case for Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The Project in an area of 4.05 ha. for production capacity 60,000 ton per annum and 10,410 m<sup>3</sup> Salable OB(Waste) Reject (Khasra No. 32 Part) at Village- Baijnath, Tehsil - Huzur, Dist. Rewa (MP). The project requires prior EC before commencement of any activity at site.

In this meeting the case was presented by the PP and their consultant. The salient features of the project are as follows:

| FOR MINING PROJECTS |  |   |
|---------------------|--|---|
| S. no.              | Particular   | Details   |
| 1                   | Name of the project & its location   | : <b>4.05ha Baijnath Limestone Mine</b><br>Khasra No. Part of 32<br>Village- Baijnath, Tehsil- Huzur, Dist-Rewa (MP)  |
| 2                   | Name of the Company, Address Tele No. & E-mail   | M/s Surendra Pal Kaur., H. NO. 299, Ward No. 10,<br>Village – Baijnath, PO- Bholgarh, Dist. Rewa (MP)                 |
| 3                   | Latitude and Longitude of the project  | 23 <sup>0</sup> 30'37.8" to 24 <sup>0</sup> 30'45.3 North<br>81 <sup>0</sup> 10'17.9" to 81 <sup>0</sup> 10'28.0"East |
| 4                   | If a Joint venture, the names & addresses of the JV partners including their share                                       | NA  |
| 5                   | Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc | Running mine and presently closed since 2015, area – 4.05ha, Govt. Land<br>Connectivity-NH-7                          |
| 6                   | Whether the project is in the Critically Polluted Area (CPA):  | No  |
| 7                   | Cost of the project  | 60.0 lakh   |
| 8                   | Employment generated/to be generated   | 91  |
| 9                   | Benefits of the project:   | Employment, other CSR activities  |
| 10                  | Whether new or expansion project .If expansion: i from ..... MT to ..... MT<br>ii What is the % of expansion             | Existing and Limestone- 60,000 TPA and Salable Waste Reject 10,410 M <sup>3</sup> Per Annum                           |

|    |  |                                      |
|----|--|--------------------------------------|
| 11 | If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.  | NA                                   |
| 12 | If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF  | NA                                   |
| 13 | No. and Date of the ToR /and revised ToR, if any, letter issued by the authority   | NA                                   |
| 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) | NA                                   |
| 15 | If the project was considered in EAC, Pl. gives dates of the meeting (s)   | NA                                   |
| 16 | Type of Mine: (Open cast/Underground/mixed):   | Opencast                             |
| 17 | Capacity of the mine applied for   | <b>Limestone</b>                     |
| 18 | ML Area i. As per block allotment ii. As per approved mine plan  | 4.05ha                               |
| 19 | Date of approval of mine plan, mine closure plan, status & date  | Mining plan approval date 06.08.2018 |
| 20 | Date of Board's approval:  | NA                                   |
| 21 | Date of Ground water clearance   | NA                                   |
| 22 | Date of mine closure approval  | NA                                   |
| 23 | Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost   | ToR stage                            |
| 24 | Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions  | ToR stage                            |
| 25 | Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details  | No                                   |
|    |  | Signature of proponent               |
|    |  | Date                                 |
|    |  |                                      |

After detilas discussion the committee after deliberations decided that being it's a case of Limestone Mine and falls under B-1 category standard TOR prescribed by the MoEF&CC may

be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
  2. 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. Level of mechanization should be discussed in the EIA report.
  7. Hydro geological study should be carried out if ground water intersection is proposed.
  8. Top soil management plan should be addressed in EIA report.
  9. Input data of modeling should be addressed in EIA along with this all back up calculation.
  10. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
  11. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
  12. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
  13. PP would follow environmental extend rules.
  14. Details of blasting to be provided in the final EIA report.
  15. Water balance chart to be submitted by the PP showing ZLD.
  16. Over-head sprinkling system to be proposed.
6. **Case No. - 5770/2018 Venus Allloys Pvt. Ltd., 67 Industrial Area, Mandsaur (M.P.). 458001. Prior Environment Clearance for Mini Steel Plant for Expansion Capacity of M.S. Billets – 1,50,000 MTPA, Mill Skull - 3800 MTPA, Miss Roll 3800 MTPA, TEMT Bars – 1,42,000 MTPA at Patwari Halka No. - 12, Khasra No. 612/1/1, Village - Fatehgarh, Tehsil - Daluda, District - Mandsaur (M.P.). Category: 3(a) Metallurgical Industries (Ferrrous & Non Ferrrous). Env. Con. –Creative Enviro Services, Bhopal (M.P.).**

This is a rolling mill project. All non –toxic secondary metallurgical processing industries manufacturing >5000 tones/annum metal components are covered under the EIA Notification 2006 as amended 2009 and are mentioned at SN 3(a), B. Hence these projects are required to obtain prior EC before establishment. 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.

| S. No | Particulars  | Details  |
|-------|--|--|
| 1     | Name of the project & its location:  | M/s Venus Alloys Pvt. Ltd.<br>Patwari Halka No. 12 Khasra No. 612/1/1, village Fatehgarg, Tehsil Dalauda, Dist. Mandsaur (M.P.).   |
| 2.    | Name of the Company, Address Tele No. & E-mail :   | M/s Venus Alloys Pvt. Ltd.<br>67, Industrial Area,<br>Mandsaur (M.P.)- Pin-458 001<br>Phone No. 07422- 255602, 255604<br>Email: <a href="mailto:venusalloys@gmail.com">venusalloys@gmail.com</a>   |
| 3     | Latitude and Longitude of the project  | 23°58'3.55"N to 23°57'58.20"N<br>75° 5'58.47"E to 75° 6'6.42"E   |
| 4     | If a Joint venture, the names & addresses of the JV partners including their share   | Its Private Limited Company<br>Shri Sagarmal Jain – Director<br><br>Address- M/s Venus Alloys Pvt. Ltd.<br>67, Industrial Area,<br>Mandsaur (M.P.)- 458 001  |
| 5     | Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc. | Its expansion of the existing industry, the Industry is in operation since May 2017, with valid Water & Air Consent from M. P. Pollution Control Board. The company is proposed to enhance the production capacity of MS Billets from 84000 MTPA to 150000 MTPA, Mill Skull from 2100 MTPA to 3800 MTPA, Miss Roll from 2100 MTPA to 3800 MTPA and TMT Bars from 77700 MTPA to 142000 MTPA |
| 6     | Cost of the project :  | Rs. 47.0 Crore   |
| 7     | Whether the project is in the Critically Polluted Area (CPA):  | No   |

|    |   |   |
|----|---|---|
| 8  | <p>If the project is for EC under EIA Notification, 2006</p> <p>a. For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP</p> <p>b. Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.</p> | <p>It's a project of expansion in production capacity:</p> <p>date of Public hearing – 28/02/2015<br/>EC issued vide letter No. 4419/SEIAA/2015 dtd. 05/08/2015</p>   |
| 9. | <p>If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.</p>  | <p>Not applicable</p>   |
| 10 | <p>If the project falls within 10 km of eco- sensitive area (i) Name of eco-sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life.</p>  | <p>No eco- sensitive area within 10 km from project site.</p>   |
| 11 | <p>Waste Management (i)Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling/reuse of treated water and disposal (iv) Solid Waste Management (v) Hazardous Waste Management.</p>   | <p>Water requirement would be 140kld, industrial purpose only for Cooling and domestic water requirement will be 15 kld. Source – Ground water. Trade effluent will be nil and waste water from domestic use shall be 8 kld, which will be treated in STP of 10 kld capacity. The STP will comprise of equalization tank, Primary Clarifier, Aeration, Secondary Clarifiers, and will work on activated sludge process. The entire treated water will be used for plantation and gardening purpose. Main solid waste will be generated in form of Iron Slag of 1000 MTPA, which will be used for road making and filling low line area after iron recovery. The Hazardous waste will be spent oil and lubrication oil of 2.0 kld will be given to the recyclers as per the provision of Hazardous Waste Management Rules.</p> |

|    |  |  |
|----|--|--|
| 12 | Other details (i) Noise Modeling with noise control measures for airports (ii) Details of water bodies, impact on drainage if any (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20 % of construction projects and 33 % for others) (vi) Parking requirement with provision made.               | No water body exists in the project area, no tree cutting is required. Direct hot billets shall be used for making TMT Bars which avoids the addition of Re Heating furnace, which save fuel like FO/Coal. Greenbelt will be developed in 16500 sqm of the project area. Adequate parking arrangement shall be provided as the 5000 sqm land is left open. |
| 13 | If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan.   | Not applicable   |
| 14 | If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information : | Not Applicable   |
| 15 | Other information (i) Investment/Cost of the project is ----- (ii) Employment potential ----- (iii) Benefits of the project -----  | Investment/Cost of the project is Rs. 47.00 Crores<br>Employment potential 100 Nos direct and 50 Nos indirect<br><br>employment to 100 Nos of project and revenue / taxes to Govt. in form of excise duties  |
| 16 | Date of Ground water clearance:  | Not obtained, will apply for permission to for abstraction of ground water from regulatory authority.  |
| 17 | Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.  | Shall be dlt in EIA/ EMP report.   |

|    |  |   |
|----|--|---|
| 18 | Number of plantation with name of species proposed in area allotted for plantation with budgetary provision. | Greenbelt will be developed in 16500 sqm of the project area, 3000 Nos. of Plants and species shall be planted all around the factory area, the budget for plantation will be Rs. 15,00,000/- |
| 19 | Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details                  | No.   |

The case was presented by the PP for issuing of TOR to carryout EIA studies with site specific details. During presentation PP submitted that in this expansion they are only increasing shifts and now the plant will be operated all the three shifts and no new machinery/construction will be installed/takenup thus they shall be exempted from the carrying out EIA & public consultation as per the provisions laid down in clause 7 (i) of EIA Notification, 2006. PP further submitted that for earlier EC they have conducted the public hearing in the year 2015. Committee after deliberations recommends that being expansion project the EIA should be carriedout however; public consultation can be exempted since no new machinery is being installed and no new construction activities are proposed for this expansion. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's as annexed as annexure "D":-

1. Ambient Air Quality Monitoring Stations should be located in all the villages which are within 01 kms radius of the project site and incremental GLC should be predicted in all such villages.
2. In EIA study the mode of transportation, storage of fly ash, all raw materials and products should be discussed along with their impacts.
3. Protection Plan for surface run off should be discussed in EIA report.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. Compliance of earlier EC conditions from the competent authority.
6. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
7. Input data of modeling should be addressed in EIA along with this all back up calculation.
8. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.

7. **Case No. - 5773/2018 The India Cements Ltd. , 827 Dhun Building, Anna Salai, 4th Floor, Mount Road Chennai - 600002. Prior Environment Clearance for Clinker Grainding Units (1x1.5 MTPA) Khasra No. – Khaigaon – 119, 346, 345/1, 345/2, 345/3, 345/4, 347/1, 348/2, 349/1, 349/2, 350/1, 350/2, 351/1, 351/2, 351/5, 351/6, 351/7, 352/1,**

**352/2, Palsud- 219, 220, 221, 222, 223, 224, 225, 226, at Village - Khaigaon & Palsud, Tehsil Punasa, District Khandwa (M.P.). Category: 3(b) Cement Project.**

This is a case of Clinker Grinding Units (1x1.5 MTPA) The project is covered as item 3(b) in the schedule of EIA notification as standalone grinding unit and hence requires prior EC from SEIAA before commencement of any activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The project is proposed at Khasra No. – Khaigaon – 119, 346, 345/1, 345/2, 345/3, 345/4, 347/1, 348/2, 349/1, 349/2, 350/1, 350/2, 351/1, 351/2, 351/5, 351/6, 351/7, 352/1, 352/2, Palsud- 219, 220, 221, 222, 223, 224, 225, 226,, at Village - Khaigaon & Palsud, Tehsil Punasa, District Khandwa (M.P.). The application pertaining to EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. The presentation and the submissions made by the PP reveals following:

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

| FOR industry PROJECTS |  |   |
|-----------------------|--|---|
| S. no.                | Particular   | Details   |
| 1                     | Name of the project & its location   | : Proposed 1.5MTPA Cement Grinding unit<br>Khasra No.<br>Village- Khaigaon & Palsud, Tehil Punasa Dist ; Khandwa (MP) |
| 2                     | Name of the Company, Address Tele No. & E-mail   | M/s The India Cements Limited, Dhun Building, 837, Anna Salai, Chennai (TN)   |
| 3                     | Latitude and Longitude of the project  | Given below   |
| 4                     | If a Joint venture, the names & addresses of the JV partners including their share                                       | <b>NA</b>   |
| 5                     | Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc | New, 32.72ha  |
| 6                     | Cost of the project  | Rs. 31653 Lakhs   |
| 7                     | Whether the project is in the Critically Polluted Area (CPA):  | NA  |
| 8                     | If the project is for EC under EIA Notification, 2006  |   |
| a)                    | For the first time appraisal by EAC  | Yes   |

|       |   |  |
|-------|---|--|
| (i)   | Date of ToR:  | ToR stage  |
| (ii)  | Date of Public Hearing, location  | NA   |
| (iii) | Major issues raised during PH and response of PP  | NA   |
| b)    | Second appraisal  | NA   |
| (i)   | Date of first /earlier appraisal  | NA   |
| (ii)  | Details of the information sought by the EAC with the response of the PP.   | NA   |
| 9     | If the project involves diversion of forest land  | NA   |
| (i)   | extend of the forest land   | NA   |
| (ii)  | status of forest clearance  | NA   |
| 10    | If the project falls within 10 km of eco-sensitive area (i) Name of eco-sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life | NA   |
| 11    | Waste Management  |  |
| (i)   | Water requirement, source, status of clearance  | The total fresh water requirement for the project will be approx. 305 KLD, which will be sourced from ground water.  |
| (ii)  | Waste water quantity, treatment capacity, detail  | The water will be sourced through ground water abstraction. Suitable rainwater harvesting structure/ facility also will be constructed as per suggestion of CGWA. Water requirement during dry process in cement plant is mostly for cooling. Cooling towers with proper cycles of concentration ensure recycle. Waste water generated from domestic use and shall be treated in septic tank and soak pit system |
| (iii) | Recycling / reuse of treated water and disposal   | Water requirement during dry process in cement plant is mostly for cooling. Cooling towers with proper cycles of concentration ensure recycle. Waste water generated from domestic use and shall be treated in septic tank and soak pit system   |
| (iv)  | Solid Waste Management  | No solid waste will be generated from the cement grinding process. Dust collected from air pollution control equipment will be totally recycled back to the process. The proposed project would rather consume large quantities of flyash, a solid waste from TPP for manufacturing PPC.   |
| (v)   | Hazardous Waste Management  | It has been estimated that about 3500 liters of lube oils will be used annually in the facility and the same will be stored in drums and disposed to authorized used oils recycling vendors.   |
| 12    | Other details   |  |
| (i)   | Noise Modeling with noise control measures for airports   |  |

|       |   |  |
|-------|---|--|
| (ii)  | Details of water bodies, impact on drainage if ant  | <p>Phipharar Nadi S – 0.75km -</p> <p>Seasonal Nalla W - 0.50km -</p> <p>Seasonal Nalla N – 0.50km -</p> <p>Devjhariya Nalla SE – 1.75km –</p> <p>Sivji Nalla WSW – 5.75km –</p> <p>Karkari Nalla NWN – 6.50km -</p> |
| (iii) | Details of tree cutting   | Given in EIA   |
| (iv)  | Energy conservation measures with estimated saving  |  |
| (v)   | Green belt development (20 % of construction projects and 33 % for others)  | Proposed: 10.80ha with 13500no of plants   |
| (vi)  | Parking requirement with provision made   | Details will be given in EIA   |
| 13    | If the project involves foreshore facilities  | NA   |
| (i)   | Shoreline study   |  |
| (ii)  | Dredging details, disposal of dredge material   |  |
| (iii) | Reclamation   |  |
| (iv)  | Cargo handling with dust control measures   |  |
| (v)   | Oil Spill Contingent Management Plan  |  |
| 14    | If the project involves Marine disposal   | NA   |
| (i)   | NOC from PCB in case of marine disposal   |  |
| (ii)  | details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters |  |
| (iii) | location of intake / outfall. Quantity,   |  |
| (iv)  | detail of monitoring at outfall   |  |
| (v)   | Any other relevant information  |  |
| 15    | Other information   |  |

|       |  |  |
|-------|--|--|
| (i)   | Investment/Cost of the project is Rs.....(in crore).   | Rs. 31653 Lakhs  |
| (ii)  | Employment potential.....  | 75 and 1000 indirect employment                              |
| (iii) | Benefits of the project .....  | Employment and CSR activities                                |
| 16    | Date of Ground water clearance   | To be applied  |
| 17    | Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost | 10 Crores  |
| 18    | Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions      | Proposed: 10.80ha with 13500no of plants, to be given in EIA |
| 19    | Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details                        | No   |
|       |  | Signature of proponent                                       |
|       |  | Date   |
|       |  |  |

Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's as annexed as annexure "D":-

1. Ambient Air Quality Monitoring Stations should be located in all the villages which are within 01 kms radius of the project site and incremental GLC should be predicted in all such villages.
2. On one side of the project location a road is in existence and on other side of the site railway line is passing thus their protection plan shall be discussed in the EIA report.
3. Concerned Regional Officer, MP Pollution Control Board must be informed about the monitoring locations and monitoring should be carried out under intimation to him.
4. In EIA study the mode of transportation, storage of fly ash, all raw materials and products should be discussed along with their impacts.
5. Protection Plan for surface run off should be discussed in EIA report.
6. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
7. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
8. Transportation plan & traffic management plan should be discussed in the EIA report.
9. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
10. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.



11. Year wise details of minerals already excavated till date should be submitted with EIA report.
  12. Hydro geological study should be carried out if ground water intersection is proposed.
  13. Top soil management plan should be addressed in EIA report.
  14. Input data of modeling should be addressed in EIA along with this all back up calculation.
  15. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
  16. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
  17. DFO certificate shall be submitted wrt to information on distance from National Parks/Secenturies and forest boundary.
  18. As ground water abstraction is proposed, permission from CGWA shall be obtained and submitted with EIA report.
  19. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
  20. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.
8. **Case No. - 5784/2018 M/s Symbiotec Pharmalab Pvt. Ltd, Plot No. 3, 5, 6, 7 & 8, Pharma Zone, Phase-II, Indore, MP Prior Environment Clearance for Capacity Expansion of Manufacturing of Bulk Drug & Intermediate from 14 TPA to 30 TPA at Plot No. 385/1, 385/2, 390/1/2, 389/1, Village- Pigdamber, Tehsil - Mhow & Dist. Indore (MP).**

This is a case Prior Environment Clearance for Capacity Expansion of Manufacturing of Bulk Drug & Intermediate from 14 TPA to 30 TPA at Plot No. 385/1, 385/2, 390/1/2, 389/1, Village- Pigdamber, Tehsil - Mhow & Dist. Indore (MP).The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The case was presented by PP and their consultant .The following are the salient features of the project:

Proposed capacity expansion in Manufacturing of Bulk drug and Intermediates by M/s Symbiotec Pharmalab Pvt. Limited, **358/2, Pigdamber, Rau, Indore -453331** at plot no, 385/1, 385/2, 390/1/2, 389/1, Village- Pigdamber, Dist. Indore (MP),

This is a case of proposed capacity expansion of manufacture bulk drug and drug intermediates from 14 TPA to 30TPA. The project occupies a plot Area of 22258 sq mt of land. The total fixed cost of the project after capacity expansion is INR 5051.51 lacs as per the company gross book value. The project is covered as item 5(f) in the schedule of EIA notification 2006 and amended notification SO 1599(E) dated 25.06.2014, the unit is small (SSI category) with water consumption less than 25 KLD, Fuel consumption less than 25 TPD and not covered in the category of MAH units as per the rule hence requires prior EC from SEIAA before commencement of any activity at site. The Form-1, PFR for pertaining to ToR was forwarded by SEIAA to SEAC for appraisal. PP and their consultant presented the case before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

**Salient features of the project**

|                             |   |
|-----------------------------|---|
| Project Proponent           | M/s Symbiotec Pharma lab Pvt. Limited                                     |
| Project Name                | Capacity expansion in Manufacturing of Bulk drug and Intermediates        |
| Production capacity         | 14 TPA to 30 TPA of bulk drug and drug Intermediate                       |
| Estimated Project Cost      | Existing : 3488.78 Lacs Additional : 1562.73 Lacs ( Total = 5051.51 Lacs) |
| EMP Cost (Capital )         | Existing : 120.28 Lacs Additional : 506.75 Lacs ( Total= 627.03 Lacs)     |
| Acquired Land               | 22258 sq mtrs   |
| Total Water Consumption     | Existing : 45.20 KLD Additional : 28.3 KLD ( Total= 73.5 KLD)             |
| Net fresh Water Consumption | 22.66 KLD (33.84 KLD of treated water will be recycled.)                  |
| Source of Water Supply      | Through Narmada Water Supply system                                       |
| Waste Water Generation      | Existing : 39.1 KLD Additional : 16.2 KLD ( Total= 55.3 KLD)              |

|  |   |
|--|---|
| Proposed Treatment Facility                        | SPPL will install in ETP of 60 KLD, RO of 100 KLD, MEE of 30 KL/day. The treated water will be used for cooling towers, floor washing and green belt. |
| Source of power supply                             | Madhya Kshetra Vidyut Vitaran Company   |
| Power Requirement                                  | Existing : 750 KVA proposed : 1250 KVA Total : 2000 KVA   |
| Fuel Options<br>LDO ( lit/month)<br>Husk ( kg/day) | Existing : 2000 proposed : 2000 Total : 4000<br>Existing : 1800 proposed : 2000 Total : 3800  |
| Major equipments                                   | Reactors, Centrifuge, Vacuum Try Dryer, Filters, Boiler, Cooling Tower, MEE, ETP and RO etc.  |
| Green belt (sq mt)                                 | Existing : 12344 Total : 12344  |
| Employment generation                              | Existing : 405 proposed : 50 Total : 455  |

- No ecologically protected area or archeologically protected site or other environmental sensitivity has been reported within 10 km radius of the site.
- No interstate boundary is lying within 10 km radius from the site.

**Details of Products**

| <b>Product List Of Existing And Proposed Capacity</b> |   |                                  |               |   |                                  |   |
|---|---|----------------------------------|---------------|---|----------------------------------|---|
|   | <b>List &amp; Capacity of Products (Existing)</b>         |                                  |               | <b>List &amp; capacity of Products (Proposed)</b>         |                                  | <b>Grand Total</b>                              |
| <b>Sr. No.</b>  | <b>Bulk drugs ,Drug intermediate &amp; fine chemicals</b> | <b>Capacity (Existing ) MTPA</b> | <b>Sr. No</b> | <b>Bulk drugs ,Drug intermediate &amp; fine chemicals</b> | <b>Capacity (Proposed) MTPA)</b> | <b>Capacity (Existing &amp; Proposed) MTPA)</b> |
| <b>A</b>  | <b>NON STERILE PRODUCTS (EXISTING)</b>                    | <b>4</b>                         | <b>A</b>      | <b>NON STERILE PRODUCTS (PROPOSED)</b>                    |                                  |   |
| 1   | Betamethasone dipropionate                                |                                  | 1             | Betamethasone dipropionate                                | 4                                | 8   |

|    |                                |    |                                |
|----|--------------------------------|----|--------------------------------|
| 2  | Betamethsone sodium phosphate  | 2  | Betamethsone sodium phosphate  |
| 3  | Betamethasone valerate         | 3  | Betamethasone valerate         |
| 4  | Clobetasol propionate          | 4  | Clobetasol propionate          |
| 5  | Beclometasone dipropionate     | 5  | Beclometasone dipropionate     |
| 6  | Dtmd mesylate                  | 6  | Dtmd mesylate                  |
| 7  | Halobetasol propionate         | 7  | Halobetasol propionate         |
| 8  | Budesonide                     | 8  | Budesonide                     |
| 9  | Prednisolone acetate           | 9  | Prednisolone acetate           |
| 10 | Prednisolone sodium phosphate  | 10 | Prednisolone sodium phosphate  |
| 11 | Triamcinolone acetonide        | 11 | Triamcinolone acetonide        |
| 12 | Dexamethasone sodium phosphate | 12 | Dexamethasone sodium phosphate |
| 13 | Mometasone Epoxide             | 13 | Mometasone Epoxide             |
| 14 | Mometasone Furoate             | 14 | Mometasone Furoate             |
| 15 | Hydrocortisone acetate         | 15 | Hydrocortisone acetate         |
| 16 | Methylprednisolone acetate     | 16 | Methylprednisolone acetate     |
| 17 | Deflazacort                    | 17 | Deflazacort                    |
|    |                                | 18 | Abiraterone Acetate            |

**Product List Of Existing And Proposed Capacity**

| List & Capacity of Products (Existing) |                                 | List & capacity of Products (Proposed) |        | Grand Total                          |                     |                                |
|--|---------------------------------|--|--------|--------------------------------------|---------------------|--------------------------------|
| Sr.                                    | Bulk drugs ,Drug intermediate & | Capacity (Existing)                    | Sr. No | Bulk drugs ,Drug intermediate & fine | Capacity (Proposed) | Capacity (Existing & Proposed) |

| No. | fine chemicals                  | MTPA |    | chemicals                         | MTPA) | MTPA) |
|-----|---------------------------------|------|----|-----------------------------------|-------|-------|
| A   | NON STERILE PRODUCTS (EXISTING) |      | A  | NON STERILE PRODUCTS (PROPOSED)   |       |       |
|     |                                 |      | 19 | Betamethasone Acetate             |       |       |
|     |                                 |      | 20 | Clobetasone Butyrate              |       |       |
|     |                                 |      | 21 | Clorprednol                       |       |       |
|     |                                 |      | 22 | Desonide                          |       |       |
|     |                                 |      | 23 | Desoximetasone                    |       |       |
|     |                                 |      | 24 | Dexamethasone                     |       |       |
|     |                                 |      | 25 | Dexamethasone Acetate             |       |       |
|     |                                 |      | 26 | Diflorasone Diacetate             |       |       |
|     |                                 |      | 27 | Drospirenone                      |       |       |
|     |                                 |      | 28 | Halometasone Monohydrate          |       |       |
|     |                                 |      | 29 | Hydrocortisone Hemisuccinate      |       |       |
|     |                                 |      | 30 | Hydrocortisone Hydrogen Succinate |       |       |
|     |                                 |      | 31 | Hydroxyprogesterone Caproate      |       |       |
|     |                                 |      | 32 | Methylprednisolone                |       |       |
|     |                                 |      | 33 | Trimicinolone Sodium Phosphate    |       |       |
|     |                                 |      | 34 | Betamethasone                     |       |       |
|     |                                 |      | 35 | Flucinolone Acetonide             |       |       |
|     |                                 |      | 36 | Flucinolone Pivolate              |       |       |

|  |  |  |    |                 |  |  |
|--|--|--|----|-----------------|--|--|
|  |  |  | 37 | Flumethazone    |  |  |
|  |  |  | 38 | Fluoxymesterone |  |  |

**Product List Of Existing And Proposed Capacity**

|         | List & Capacity of Products (Existing)         |                          |        | List & capacity of Products (Proposed)         |                           | Grand Total                          |
|---------|--|--------------------------|--------|--|---------------------------|--------------------------------------|
| Sr. No. | Bulk drugs ,Drug intermediate & fine chemicals | Capacity (Existing MTPA) | Sr. No | Bulk drugs ,Drug intermediate & fine chemicals | Capacity (Proposed) MTPA) | Capacity (Existing & Proposed) MTPA) |
| A       | Non Sterile Products (Existing)                |                          | A      | Non Sterile Products (Proposed)                |                           |                                      |
|         |  |                          | 39     | Fluticasone Furoate                            |                           |                                      |
|         |  |                          | 40     | Methylprednisolone Aceponate                   |                           |                                      |
|         |  |                          | 41     | Potassium Canrenone                            |                           |                                      |
|         |  |                          | 42     | Hydrocortisone                                 |                           |                                      |
|         |  |                          | 43     | Fluticasone propionate                         |                           |                                      |
|         |  |                          | 44     | Prednisolone Hemisuccinate                     |                           |                                      |
|         |  |                          | 45     | Prednisolone                                   |                           |                                      |
|         |  |                          | 46     | 4 TR   |                           |                                      |
|         |  |                          | 47     | 3 TR/ Tetrane Acetate                          |                           |                                      |
|         |  |                          | 48     | Fluromethlone                                  |                           |                                      |
|         |  |                          | 49     | Methyl prednisolone Sodium Succinate           |                           |                                      |
|         |  |                          | 50     | Methylprednisolone Hydrogen Succinate          |                           |                                      |
|         |  |                          | 51     | Hydrocortisone Sodium Succinate                |                           |                                      |

| <b>B</b> | <b>Sterile Products (Existing)</b>  |           | <b>B</b> |   |           |           |
|----------|-------------------------------------|-----------|----------|---|-----------|-----------|
| 18       | Methylprednisolone sodium succinate | <b>10</b> | 52       | Methyl Prednisolone Sodium Succinct for injection USP for manufacturer's use. | <b>12</b> | <b>22</b> |
| 19       | Hydrocortisone sodium succinate     |           | 53       | Hydrocortisone Sodium Succinate for injection USP for manufacturer's use      |           |           |
|          | <b>Total (MTPA)</b>                 | <b>14</b> |          |   | <b>16</b> | <b>30</b> |

**Land break Up:**

| <b>Existing And Proposed Land Use Breakup</b> |                 |                 |              |
|---|-----------------|-----------------|--------------|
|   | <b>Existing</b> | <b>Proposed</b> | <b>Total</b> |
|   | <b>SQM</b>      | <b>SQM</b>      | <b>SQM</b>   |
| Production Block                              | 1390            | 160             | 1550         |
| Administration Block                          | 479             | -               | 479          |
| Solvent Area                                  | 1080            | -               | 1080         |
| Scrap Yard & Boiler                           | 750             | 250             | 1000         |
| Security                                      | 30              | -               | 30           |
| Utility                                       | 375             | 80              | 455          |
| R & D Lab                                     | 538             | -               | 538          |
| ETP   | 364             | 800             | 1164         |
| Road  | 1710            | 240             | 1950         |
| Parking Area                                  | 304             | -               | 304          |
| <b>Total Built Up Area</b>                    | <b>7020</b>     | <b>1530</b>     | <b>8550</b>  |
| Green Belt / lawn Area                        | 12344           | -               | 12344        |

|                        |              |              |              |
|------------------------|--------------|--------------|--------------|
| Future Expansion Area  | 2894         | 1364         | 1364         |
| <b>Total Plot Area</b> | <b>22258</b> | <b>22258</b> | <b>22258</b> |

**Environmental Setting Of Project**

| Particulars  | Details   |          |            |
|--|---|----------|------------|
| Locations  | Plot no. 385/1,/385/2,/390/1/2,/389/1 , Pigdamber, Rau – Indore-453 331 |          |            |
| Toposheet No.                                      | 46N/14  |          |            |
| Latitude   | 22°37'4.09"N  |          |            |
| Longitude  | 75°48'12.26"E   |          |            |
| General ground level                               | 590m MSL  |          |            |
| Nearest National/ State Highway                    | AB Road   |          | -300 mtrs  |
| Nearest Railway Station                            | Rau   |          | – 1.50 km  |
|  | Indore  |          | – 10 km    |
| Nearest Airport                                    | Indore  |          | – 11.50 km |
| Archaeological Important Place                     | None within 10km radius   |          |            |
| Ecological Sensitive Areas (Wild Life Sanctuaries) | None within 10km radius   |          |            |
| Reserved / Protected Forest within 10 km radius    | Machla RF   | - 3.75km | - ESE      |
| Nearest major city with 100000 population          | None within 10km radius   |          |            |
| Surrounding village within 1 km area of project    | Machli Tekri  | – 0.25km | - N        |
|  | Pigdamber   | - 0.75km | - W        |
| Nearest village                                    | Machli Tekri  | – 0.25km | - N        |
| Nearest River                                      | Gambir River  | - 4.75km | - WSW      |
|  | Saraswasi N   | - 6.75km | – ENE      |



|                     |                          |          |       |
|---------------------|--------------------------|----------|-------|
|                     | Shivkheri ka N           | - 5.25km | - NW  |
|                     | Nadda N                  | - 4.50km | - SW  |
| Nearest Lake/ Ponds | Bilawali Talav           | - 8.00km | - NE  |
|                     | Sirpur Talav             | - 9.25km | - N   |
|                     | Pond                     | - 4.00km | - ESE |
|                     | Nalla                    | - 5.25km | - NEN |
|                     | Sukhniwas Lake           | - 5.50km | - N   |
| Nearest Hill Ranges | None within 10 km radius |          |       |

The case was presented by the PP and their consultant. After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with along with following additional TORs as annexed in annexure-D:

1. Compliance of earlier conditions from the competent authority.
2. PP should provide entire product mix in the EIA report.
3. Worst case scenario w.r.t. waste water and hazardous waste should be submitted.
4. Details of solvents and their recovery plan should be discussed in the EIA report.
5. VOC should be monitored in the AAQ.
6. All MSDS should be provided with the EIA report.
7. Industry has to comply with zero discharge for which necessary details should be provided in the EIA report.
8. Land use plans of the plant both existing land use as well as proposed land use and PP should assure that no existing green area shall be altered for which a written commitment be submitted with the EIA report.
9. Details of any waste at present lying within the plant premises and if yes, same should be discussed in the EIA report with its disposal plan.
10. Inventory of existing and proposed machinery and if any existing machinery proposed to be used same shall be presented in the EIA report.
11. PP should explore possibility of using Biofuel based technology in boilers.
12. Compatibility of raw material storage.
13. DFO certificate shall be submitted wrt to information on distance from National Parks/Secenturies and forest boundary.
14. As ground water abstraction is proposed, permission from CGWA shall be obtained and submitted with EIA report.

15. Ash management plan is to be submitted in the EIA report.

9. **Case No.-5779/2018 M/s Shakuntala Enterprises Pvt. Ltd, 36, Nayagaon, Rampur, Dist. Jabalpur, MP – 482003 Prior Environment Clearance for Marble Quarry in an area of 9.18 Ha. (Marble Block - 6035 cum per annum, Salable waste material – 14,081 cum per annum) (Khasra No. 734, 735/1, 735/2, 735/3, 736, 737, 738, 740, 777, 778, 779) at Village- Nimas, Tehsil - Bahoriband, Dist. Katni (MP)**

This is case of Marble Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 734, 735/1, 735/2, 735/3, 736, 737, 738, 740, 777, 778, 779) at Village- Nimas, Tehsil - Bahoriband, Dist. Katni (MP) 9.18 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 Officer, Distt. Katni vide letter No. 3637 dated: 14/09/2019 there are 15 mines within 500 mts. Out of 15 mines 11 mines are sanction prior to 9/9/13. Only 04 mine with area  $9.18 + 9.20 + 4.83 + 1.17 = 24.38$  ha are falling within the cluster criteria.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

10. **Case No. – 5775/2018 Sarpanch, Gram Panchayat Bachhwada, Village Amkhedi Tehsil Bbai, District Hoshangabad (MP)-461001 Prior Environment Clearance for Sand Mine in an area 10.00 ha. for production capacity of 1,21,500 cum/year at Khasra no.-48 Village Amkhedi, Tehsil Babai District Hoshangabad (MP)**

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village Amkhedi, Tehsil Babai District Hoshangabad (MP) 10.00 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 Collector's office vide letter no. 35 dated: 03/4/2018 has reported that there are 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. During presentation it was observed by the committee that following details are not submitted by PP:

- Replenishment details of sand are not provided in the mine plan.
- District Survey Report
- Water Demand Chart
- Revised CSR activity in the affected village as suggested by the committee.
- Revised EMP as suggested by the committee

Thus PP was asked to provide replenishment details duly approved by the competent authority for further consideration of the project.

PP has submitted the response of above quarries same date vide letter dated 30.11.2018, 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 after deliberation found that 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 'B':

- Production of Sand as per mine plan with quantity not exceeding 1,21,500 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental management Plan of Rs. 6,32,500.00 lacks 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. Under CSR Rs. 03.00 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.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**11. Case No. – 5777/2018 Sarpanch, Grampanchayat Jahazpura, Tehsil Rehti, District Sehore (MP)-462011 Prior Environment Clearance for Sand Mine in an area 23.00 ha. for production capacity of 2,30,000 cum/year at Khasra No. 300, 311 at Village Jahazpura, Tehsil Rehti District Sehore (MP)**

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village Jahazpura, Tehsil Rehti District Sehore (MP) 23.00 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 Collectors' Office (Ekal Praman-Patr) vide letter no. 2004 dated: 27/9/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

In this meeting the case was presented by the PP and their consultant. During presentation it was observed by the committee that following details are not submitted by PP:

- Replenishment details of sand are not provided in the mine plan.
- District Survey Report
- Water Demand Chart
- Revised CSR activity in the affected village as suggested by the committee.
- Revised EMP as suggested by the committee

Thus PP was asked to provide replenishment details duly approved by the competent authority for further consideration of the project.

PP has submitted the response of above quarries same date vide letter dated 30.11.2018, 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 after deliberation found that 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 'B':

- Production of Sand as per mine plan with quantity not exceeding 2,30,000 cum/year cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental management Plan of Rs. 13.75 lacks. 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. Under CSR Rs. 03.00 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.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**12. Case No. – 5715/2018 Sarpanch, Gram Panchayat, Village - Harnya, Tehsil - Chicholi, Dist. Betul, (M.P.) – 460001 (SIA/(M.P.)/MIN/73780/2018).Prior Environment Clearance for Sand mine in an area of 5.590 Ha. (44,000 cum per annum) (Khasra no. 1, 9) at Village - Harnya, Tehsil - Chicholi, Dist. Betul (M.P.).**

This is case of Sand mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. 1, 9 at Village - Harnya, Tehsil - Chicholi, Dist. Betul (M.P.).5.590 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 Collectors' Office (Ekal Praman-Patr) vide letter no.1264 dated: 19/08/2016 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for the presentation in the 324<sup>th</sup> SEAC meeting dated 19/08/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in SEAC 320<sup>th</sup> meeting dated 14/07/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled for the presentation and discussion in the 327<sup>th</sup> SEAC meeting dated 07/09/2018, wherein it was recorded that the PP doesn't enclosed replenishment plan. Also, vide letter dated 07/09/2018 has requested to postponed the presentation as PP doesn't have the complete documents to present this case in this meeting. Committee accepted the request made by the PP and decided to give one month time to collect the replenishment plan and other documents duly authorized by competent authority.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**13. Case No. – 5713/2018 Sarpanch, Gram Panchayat, Village - Sontalai, Tehsil - Aamla, Dist. Betul, (M.P.) – 460001 (SIA/ (M.P.)/MIN/73791/2018).Prior Environment Clearance for Sand mine in an area of 9.330 Ha. (9000 cum per annum) (Khasra no. 1) at Village - Sontalai, Tehsil - Aamla, Dist. Betul (M.P.).**

This is case of Sand mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. 1, Village - Sontalai, Tehsil - Aamla, Dist. Betul (M.P.). 9.330 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 Collectors' Office (Ekal Praman-Patr) vide letter no.1265 dated: 19/08/2016 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for the presentation in the 324<sup>th</sup> SEAC meeting dated 19/08/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in SEAC 320<sup>th</sup> meeting dated 14/07/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled for the presentation and discussion in 327<sup>th</sup> SEAC meeting dated 07/09/2018, wherein it was recorded that the PP doesn't enclosed replenishment plan. Also, vide letter dated 07/09/2018 has requested to postponed the presentation as PP doesn't have the complete documents to present this case in this meeting. Committee accepted the request made by the PP and decided to give one month time to collect the replenishment plan and other documents duly authorized by competent authority.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has fto be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**14. Case No.- 5548/2017 M/s Hira Power and Steel Ltd, Khasra No. 51 1/1, 512/2, Urla Industrial Complex, Raipur, CG – 492003 Prior Environment Clearance for Manganese Ore Mine in an area of 6.264 Ha.. Expansion of Production Capacity from 10,000 to 18,000 TPA at Khasra no. 16/1, Village- Jagantola, Tehsil - Paraswada, Dist. Balaghat (MP).**

This is case of Manganese Ore Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 16/1) Village- Jagantola, Tehsil - Paraswada, Dist. Balaghat (MP) 6.264 Ha. The project requires prior EC before commencement of any activity at site.

|   |  |
|---|--|
| Objective                               | Environmental Clearance for capacity expansion at Underground Manganese ore mine (6.264 ha)  |
| Existing Capacity                       | 10, 000 TPA of Mn ore  |
| Proposed Capacity                       | 18, 000 TPA of Mn ore  |
| Land use of core zone                   | Own Land   |
| Lease period                            | 03/11/2046   |
| Validity of CTO                         | 01/04/2016 to 31/03/2017 (Applied for the CCA renewal on 11/01/2017)   |
| Previous Environmental Clearances       | Letter No. J – 11015/212/2006 – IA.II (M), Dt. 27/09/2007<br>Letter No. 64/EPCO-SEIAA/12, Dt. 18/04/2012   |
| Verification of Compliance by MoEF & CC | <ul style="list-style-type: none"> <li>• eriod from 2008 to 2012 - Vide letter no. 3-38/ 2007/ ENV/ 203, Dated14/02/2012.</li> <li>• Period from 2012 to 2017 – Applied to MoEFCC vide letter no. HPSL/MINE/MoEF/17-18/006, dated: 11.04.2017</li> </ul> |
| Location of Mine                        | Khasra No. – 16/1, Village – Jagantola, Tehsil – Paraswada, District – Balaghat (M.P.)   |
| Lessee                                  | Hira Power & Steels Ltd.   |
| Altitude                                | 640 – 600mRL ( underground lowest – 529mRL)  |

Clarification regarding no requirement of NOC from commissioner level forest committee for 250 meter from forest boundary:



During presentation it was submitted by PP that as our Mining Lease area is not touching the forest boundary from any side and it is surrounded by ML area of Krishna Mining & Trading Syndicate (62.58ha) from 3 sides & one side it is adjacent to Mining Lease area of Mr. I. Patric Dhanaraaj, hence there is no necessity of NOC from commissioner level forest committee for 250 meter from forest boundary. Furthermore in letter of Govt. of Madhya Pradesh, Forest Department, Ministry which is addressed to MS MPSEIAA clearly written that “It is an old Mining Lease hence, no requirement of NOC Certificate”. Govt. of M.P. Forest division, Ministry, Vallabh Bhavan, Bhopal, vide letter no. F-5/16/81/10-3, Bhopal dated 07.10.2002 also stated that provision for NOC from commissioner level forest committee for 250 meter from forest boundary is not applicable in case the Mining Lease is sanctioned prior to above stated date i.e. 07.10.2002 and our mine is sanctioned before this date.

|   |   |
|---|---|
| Location  | Village – Jagantola, Tehsil – Paraswada, District – Balaghat (M.P.)   |
| Toposheet No.   | 64 C/5  |
| Co-ordinates  | Latitude – 21 <sup>o</sup> 56’53.90” to 21 <sup>o</sup> 57’07.90” N<br>Longitude – 80 <sup>o</sup> 25’54.00” to 80 <sup>o</sup> 26’20.10” E                       |
| General ground level  | 636mRL  |
| Elevation range   | 634mRL to 640mRL  |
| Nearest Highway   | State Highway – 26, 0.7 km towards North  |
| Nearest Railway Station   | Balaghat 45 km SW   |
| Nearest Airport   | Raipur 200 km SE  |
| National park/ Wild Life Sanctuary/ Biosphere reserve/ tiger reserve/ elephant reserve etc. within the core and buffer zone of the mine | No National park/ Wild Life Sanctuary/ Biosphere reserve/ tiger reserve/ elephant reserve etc are reported to be located in the core and buffer zone of the mine. |
| Reserved / Protected Forest within 10 km radius   | RF 1801 – 1.3 km West, RF 1802 – 55mtr West<br>RF 1803 – 1.8 km SW, RF 1804 – 1.4 km South  |
| Surrounding villages within 1 km of the project   | Jagantola – NE, Rupjhar – NW,<br>Daldala – East, Dhanitola - SE   |
| Nearest River   | Amanala – 1.25 km West, Kasturi nala – 0.75 km East   |
| Nearest Lake & Ponds  | Amanala dam – 1.4 km SW   |
| Other Mines located within 500 m radius   | Krishna mining & trading syndicate mine Jagantola,  |
| Industry located within 10 km radius  | None within 10 km   |

|                    |   |
|--------------------|---|
| Area Surrounded by | North, East & South – Krishna mining & trading syndicate ML,<br>West – I. Patric Dhanaraaj ML |
|--------------------|---|

The case was presented by the PP and their consultant in 77<sup>th</sup> SEAC-II meeting dated 24/05/2017, wherein PP submitted that it's a proposal for expansion from 10,000 TPA to 18,000 TPA without any change in the technology. Earlier EC was granted for the expansion from 8,000 TPA to 10,000 TPA with change in technology from open cast to underground mine by manual/semi mechanized method in an area of 6.264 ha and EC was issued vide letter no. 64/EPCO-SEIAA/12 Dated 18/04/2012. PP requested committee further that as per clause No. 7(ii) (a) of MOEF notification No. S. O. 3518 (E) dated 23<sup>rd</sup> Nov. 2016 they may be categorized in B2 category (without following entire environmental clearance process such as EIA report and public hearing) since proposed change does not result in any adverse impact on environment and whereas, the change in quantity of existing projects having environment clearance within existing area may be exempted from entire environmental clearance since there is no additional pollution load beyond the earlier approved threshold limit envisaged.

The provisions made in referred notification dated 23/11/2016 were placed before the committee which reads as follows:

*“All applications seeking prior environmental clearance for expansion with increase in the production capacity beyond the capacity for which prior environmental clearance has been granted under this notification or with increase in either lease area or production capacity in the case of mining projects or for the modernization of an existing unit with increase in the total production capacity beyond the threshold limit prescribed in the Schedule to this notification through change in process and or technology or involving a change in the product mix shall be made in Form I and they shall be considered by the concerned Expert Appraisal Committee or State Level Expert Appraisal Committee with in sixty days, who will decide on the due diligence necessary including preparation of Environmental Impact Assessment and public consultations and the application shall be appraised accordingly for grant of environmental clearance”.*

Committee after deliberation and considering the MoEF&CC notification issued vide SO 3518(E) dated 23/11/2016, 7(ii) (a) in EIA Notification, 2006 recommends that PP has to carryout EIA study to ascertain the increase in pollution load however and in place of public hearing as per EIA Notification, 2006, a notice may be given in local two news papers inviting suggestions/objections for this expansion project through regional officer, MP Pollution Control Board, Jabalpur and same should be addressed through EMP with EIA report. PP further submitted that they have started collecting the baseline data from March,

2017. It's being a case of Manganese Ore Mine and falls under B-1 category committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA with following additional TORs:-

1. Approved mining plan to be submitted at the time of EIA Presentation.
2. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
3. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
6. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
7. Compliance of earlier EC conditions from MoEF&CC should be obtained and submitted with EIA report.
8. Year wise details of minerals already excavated till date should be submitted with EIA report.
9. Hydro geological study should be carried out if ground water intersection is proposed.
10. Top soil management plan should be addressed in EIA report.
11. Input data of modeling should be addressed in EIA along with this all back up calculation.
12. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
13. Being operative mine, videography of mine and surrounding area should be carried out with aerial view by drone camera and submitted with EIA report.
14. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
15. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
16. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.
17. PP would follow environmental extend rules.

PP has submitted the EIA report vide letter dated 24/10/2017, which was forwarded by the SEIAA vide letter no. 1085 dated 30/10/2017.

EIA was presented by the PP and their consultant in the 298<sup>th</sup> SEAC meeting dated 17/11/2017 wherein it was recorded that, during the initial appraising of the TOR compliance it was observed by the committee that neither the PP has submitted MoEF&CC's

compliance report of earlier EC conditions with the EIA nor carrying the same at the time of presentation. Committee deliberated that being this is the case of underground mining where critical issues such as mine water discharge, subsidence, illumination, ventilation etc are involved hence compliance of earlier EC conditions is must to know the status of various mining activities and environmental safeguards taken by the PP till date. Thus committee asked PP to submit the compliance report of earlier EC conditions duly verified by the MoEF&CC for further consideration of the project.

For EC compliance report, PP submitted vide letter dated 17/11/2017 that they have requested MoEF&CC long back and submitted all the desired informations but till dated compliance report is not issued by the central ministry. As per recent circular of MoEF&CC issued vice letter no. J-11013/6/2010-1A II (Part) dated 07/09/2017, PP requested to write a letter to regional office of MoEF&CC for submission of EC compliance report within 30 days form Secretary, SEAC.

PP vide letter no.21 dated 30/06/2018 has submitted the EC compliance of this project which was placed before the committee in 325<sup>th</sup> SEAC meeting dated 20/08/2018, wherein it was recorded that: The EIA was presented by the PP and their consultant wherein during presentation and discussion committee asked PP to submit following information as it's a case of underground mine:

1. Geo Mining plan shall be drawn of vertical section and to be submitted by the PP.
2. Details of the Ventilation fan and its relevant details.
3. Roof support plan shall be provided.
4. Copy of the disaster management plan.
5. Transportation plan of the man and material both.
6. Surface plan with all the surface features.
7. Details of the stoing with layout alongwith consumption plan.
8. Details of the plantation (8000 plants) with species and their number.
9. Test report of water quality analysis.
10. Subsidence records as per subsidence plan.
11. Details of the rain water harvesting.
12. Mine water pumping plan.
13. Electrical layout plan and its conservation details.

This case was scheduled for the query reply presentation and discussion in 329<sup>th</sup> SEAC meeting dated 23/10/2018, which arises in 325<sup>th</sup> SEAC meeting dated 20/08/2018, 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. Committee decided to call the PP in subsequent meetings and in case

the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

In this meeting the query reply was presented by the PP in the SEAC Meeting dated 30/11/2018. PP has submitted the reply of above vide letter dated 23/10/2018 and the same was placed before the committee. Committee on perusal find reply acceptable. 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 Manganese Ore Deposit in an area of 6.264 ha. (expansion from 10,000 to 18,000 TPA) at Khasra No. 16/1 at Village-Jagantola, The.-Paraswada, District-Balaghat (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 demarcate a barrier zone of 7.5 m as no mining zone in the periphery of mining lease area and develop a green belt.
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 common fencing all around the lease area of 6.264 ha.
6. For dust suppression, regular sprinkling of water shall be undertaken.
7. Tar/WBM road for carrying out the transportation shall be maintained by the PP.
8. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

9. PP should Construct garland drain all along the lease area and OB dumps with settling pits with in drain and proposed to connect drains to large settling tank through these pits to avoid silt discharge from open ended drains. PP should ensure zero discharge from the mined area.
10. PP shall ensure to conduct a regular monitoring of ground water level with in 2 km radius of mining lease area.

11. PP shall carry out subsidence study once in year and report shall be submitted MPSEIAA/ SEAC
12. Tar/WBM road for carrying out the transportation shall be maintained by PP.
13. 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.
14. Plantation with 8000 numbers of tree should be done on lease area along with both side of the transport road shall be carried out to lessen the air pollution and enhance aesthetic beauty of the area plantation Program as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and sprit.
15. Transportation of material shall be done in covered vehicles.
16. Transportation of minerals shall not be carried out through forest area.
17. PP should follow all safely measures mentioned in DGMS norms.
18. The ventilation surveys will be conducted in each quarter.
19. Periodic maintenance of haulage and village road will be carried out.
20. Proper care and safety precaution through intermittent studied shall be undertaken to avoid any land subsidence and void created after exploration of ore will be filled properly by mine waste/sand/fly ash/slag/tailing waste etc as per approved mine plan.
21. Water sprinkling through tankers should be provided on haul road. However, regular water spraying should also be practiced on transport road for dust suppression.
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:

| Sr. No. | Description               | Present/ Existing area (Ha) | At the end of five year ( Ha) | At the end of the conceptual period (Ha) |
|---------|---------------------------|-----------------------------|-------------------------------|--|
| 1       | Area under mining         | 3.40                        | 3.40                          | 3.40                                     |
| 2       | Storage for top soil dump | 0.05                        | 0.05                          | 0.05                                     |
| 3       | Waste/ reject dump        | 0.22                        | 0.41                          | 0.41                                     |
|         | Sub grade dump            | 0.13                        | 0.13                          | 0.13                                     |

|   |   |             |              |              |
|---|---|-------------|--------------|--------------|
|   | Ore sorting yard                                    | 0.07        | 0.07         | 0.07         |
| 4 | Mineral storage/ Crusher                            | Nil         | Nil          | Nil          |
| 5 | Infrastructure (Workshop & administrative building) | 0.18        | 0.18         | 0.18         |
| 6 | Roads   | 0.27        | 0.27         | 0.27         |
| 7 | Green Belt  | 0.78        | 0.88         | 0.88         |
| 8 | Others to specify                                   | Nil         | Nil          | Nil          |
|   | <b>Total</b>  | <b>5.10</b> | <b>5.390</b> | <b>5.390</b> |

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.
29. For underground operations, natural ventilation should be provided (Veq at the rate of 0.85 to 0.95) in all working shifts through vertical shaft and main incline and ventilation survey should be conducted on each quarter and flow of air (intake and return) should be monitored on daily basis as per DGMS norms.
30. For mining operations following standard illumination should be provided as per DGMS norms.

|                                 |                                 |                            |
|---------------------------------|---------------------------------|----------------------------|
| <b>For surface Lighting</b>     |                                 |                            |
| <b>For underground Lighting</b> |                                 |                            |
| <b>Sl.No.</b>                   | <b>Location</b>                 | <b>Illumination in Lux</b> |
| <b>1</b>                        | Incline maintravelling road way | 0.5 lux                    |

|          |                       |         |
|----------|-----------------------|---------|
| <b>2</b> | Incline pit bottom    | 1.5 lux |
| <b>3</b> | Vertical shaft bottom | 1.5 lux |

31. Support of winzes, Raise, Drive & stopping Area:
  - a. After each round of blasting the sides and back shall be thoroughly dressed.
  - b. After dressing the faces, shall be supported by erecting props as temporary support.
32. As soon as the face advances 1.5m, the roadways would be supported with two bolts at an interval of 1.2m leaving 0.6m space towards the pillar on the both side and the bolting row would be spaced at 1.0m in between the central bolt should also be installed.
33. For roof support system, the bolt length would be 1.5 meter & 20-22 mm diameter. The bolt should be made of TMT/MS ribbed bar. Hole diameter should not be more than 32 mm. All bolts should be grouted with good quality quick setting cement capsules. The load bearing capacity of each bolt shall be at least 02 tones of load in one hour, 04 tones of load in 04 hours and 06 tones of load in 08 hours.
34. In poor roof conditions, in addition to rock bolt, steel girders in conjunction with pre-cast and pre-stressed concrete sleepers should be used.
35. In addition to above suggested measures, timber supports should be used as and when required.
36. The incline portal and walls of vertical winzes should be concreted as they serve as permanent entries to the mine.
37. If better ground conditions are found on a consistent basis, then development / stopping area may be supported by props or bars shall be erected in the stopes at a distance of not more than 1.2m centers along the strike or dip rise as a temporary support. Distance between any two props and between any prop and walls shall not exceed 1.2m. As soon as face advances, the back shall be supported by suitable rock bolts not less than 20mm in dia and 1.5m in length grouted at an interval of 1.2m both in strike as well as in dip-rise direction. A bearing plate not less than 10cm sq and 5mm thick shall be used for fastening of rock bolts. Maximum distance between the last row of rock bolts and the face shall not be more than 1.5m at any point of time.
38. Waste rock packing shall be kept as close to the face as possible thereby reducing the open space. Distance between line of stowing and adjacent solid side shall not be more than 3m.



39. Whenever side of pillar have a tendency to spall these shall be supported by vertical props at intervals not exceeding 1.2m with suitable lagging put tightly against the sides of pillars up to a distance of two sub levels under extraction.
40. At least 10% of the rock bolts installed shall be checked for their anchorage by anchorage testing machine up to 6 tons of load. A record of the anchorage test shall be maintained in a bound paged book duly signed by the person in-charge of anchorage test and the Manager. Each rock bolts shall be capable of withstanding a load of 6 tones within eight hours of its installation.
41. Wet drilling system and controlled NONAL blasting with low charge (if required) as prescribed by DGMS should be practiced.
42. Safety distance between u/g and o/c operation shall be maintained to prevent entering of water in u/g operation. In this regard all the norms stipulated by DGMS should be complied.
43. Sand stowing shall be carried out as per the plan submitted in EIA using sand and mica schist. Any other material such as tailing waste or mica schist should be used with sand for stowing only after confirming its suitability by leachate study.
44. Blast vibration study should be carried out once in a year and their record shall be maintained.
45. PP should carryout load testing after one hour of bolting.

**(C) ENTIRE LIFE OF THE PROJECT**

46. Proper infrastructure with shelter, drinking water, Toilet and first-aid facilities shall be provided for the labors.
47. Condition of existing settling pits should be improved and stone pitching should be carrying out for their stability.
48. Separate cell be constructed for environment management, complaints and grievances and compliance of conditions
49. The proposed EMP cost is Rs. 18 lacks per year out of which 4.41 lakhs for green development, 3.4 lacks for cost of making and maintenance of road and 4.74 lakhs for C.S.R. activities.

50. 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 underutilization of budgetary provisions for EMP should be addressed in annual return.
51. 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.
52. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
53. PP will comply with all the commitments made vide letter dated 23.10.2018.
54. 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.

**(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/Murram and Soil quarries:**

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

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries\*

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

**Annexure- 'C'**

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. The mining activity shall be done manually.
7. Heavy vehicles shall not be allowed for removal of sand.
8. The sand shall be transported by small trolleys up to the main transport vehicle.
9. Transport vehicles will be covered with 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. The date and duration of carrying out the base line data collection and monitoring, shall be informed to the concerned regional office of the M.P. Pollution Control Board.
2. 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.
3. An inventory of flora & fauna based on actual ground survey shall be presented.
4. Risk factors with their management plan should be discussed in the EIA report.
5. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
6. The EIA document shall be printed on both sides, as far as possible.
7. All documents should be properly indexed, page numbered.
8. Period/date of data collection should be clearly indicated.
9. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.

10. 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.
11. 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.
12. Grant of TOR does not mean grant of EC.
13. 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.
14. 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.
15. 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.
16. All the necessary NOC's duly verified by the competent authority should be annexed.
17. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
18. 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.
19. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
20. 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.
21. 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.
22. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
23. 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.**

24. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
25. Detailed analysis of availability and quality of the drinking water resources available in the block.
26. 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.
27. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.

