

The 58<sup>th</sup> meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 10<sup>th</sup> November, 2016 under the Chairmanship of Dr. Navin Chandra for discussion on the query responses submitted by the PP and the projects issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram khan, Member.
2. Shri. Mohd. Kasam khan, Member.
3. Shri. Prashant Shrivastava, Member.
4. Shri Rajendra Kumar Sharma, Member.
5. Shri Anil Kumar Sharma, Member
6. Dr. Sonal Mehta, Member.

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

**1. Case No. 2333/2015- Shri Vijay B. Khandelwal, 678, Shyama Kuti, Hanuman Nagar, Tharsa Road, Kanhan, Dist-Nagpur (MS)-441401. Prior Environment Clearance for approval of Botejhari Manganese Ore Mines in an area of 8.45 ha. Production Capacity from 1500 MTPA to 16000 TPA at Khasra no.-29, 45, 47, & 59, Village-Botejhari, Tehsil-Waraseoni, District-Balaghat (MP). EIA Presentation. Consultant: CES BHOPAL.**

This is case of Botejhari Manganese Ore Mines. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-29, 45, 47, & 59, Village-Botejhari, Tehsil-Waraseoni, District-Balaghat (MP) 8.45 ha. The project requires prior EC before commencement of any activity at site.

**Environment setting**

| Particulars                    | Details  |
|--------------------------------|--|
| Locations                      | Village- Botejhari, tehsil- Waraseoni, Dist Balaghat (MP)                    |
| Latitude                       | 21 <sup>0</sup> 49'46.0"to 21 <sup>0</sup> 50'01.38" North                   |
| Longitude                      | 79 <sup>0</sup> 57'03.18"to 79 <sup>0</sup> 57'16.08" East                   |
| General ground level           | 325m   |
| Nearest National/state Highway | Katangi – Lalburra Road – EEN – 0.50km<br>Waraseoni-Katangi PWD Road -4.60km |
| Nearest Railway Station        | Kochewahi - SSW- 5.40 km   |

|  |  |
|--|--|
| Nearest Airport  | Nagpur - 120.0 km  |
| Nearest Tourist Place within 10km radius.                              | None   |
| Archaeological Important Place within 10km radius.                     | None   |
| Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius. | None   |
| Reserved / Protected Forest within 10km radius                         | G.F.Sonewani R.F. -N -1.5 km   |
| Nearest Town / City within 10km radius                                 | None   |
| Nearest Village  | Botejhari tola - W - 0.30 km   |
| Nearest River  | Chandan River - SE - 8.0 km  |
| Nearest Nalla  | Katangjhari Canal - E - 1.25km<br>Katangjhari Tank - NEN - 1.5km<br>Kas Nalla (Mahadev) - N - 0.05km<br>Dhokariya Nalla - WSW - 2.25km<br>Chapa Tank - NW - 4.0km<br>Tank - NE - 4.5km |
| Other running mines within 5km radius                                  | 1. M/s A.P.Trivedi & Sons – Ramrama<br>2-M/s J. K. Minerals –Katangjhari-1<br>3-M/s J. K. Minerals – G.F.Sonewani<br>4-M/s J. K. Minerals –Katangjhari - 2                             |
| Industry within 10km radius  | M/s Ramnik Ferro Alloy and Power – 8.0km   |

### Salient feature of the lease area

| Particulars              | Details                   |
|--------------------------|---------------------------|
| Type of Mine             | Opencast/Fully mechanised |
| Mining Lease Area        | 8.45ha                    |
| Mineable Area            | 8.45ha                    |
| Existing Pits            | 3.63ha                    |
| Existing dump            | 1.84ha                    |
| Infrastructure and road  | 0.60ha                    |
| Mineral Storage          | 0.5ha                     |
| Plantation               | 0.15ha                    |
| Recoverable Reserve      | 80400 T                   |
| Present depth of mining  | 30m bgl (295 AMSL)        |
| Ultimate Depth of Mining | 50m bgl (275 AMSL )       |
| Existing capacity        | 1500 tonne                |
| Proposed capacity        | 12072 tonne               |

|  |                                |
|--|--------------------------------|
| Expected Life of Mines                     | 7 years                        |
| Lease Period                               | 20years upto 2023              |
| Thickness of soil/OB                       | Maximum- 0.0 m Minimum – 2.0 m |
| Proposed mode to transportation of mineral | Road                           |
| Area to be covered under dumps             | 2.40 ha                        |
| Area to be covered under open pit          | 5.0 ha                         |
| Area to be reclaimed by lease period end   | 2ha upto 30m                   |
| Area to be converted as water body         | 3.0ha                          |
| Area to be covered under plantation        | 5.25ha                         |
| Average mRL                                | 325 AMSL                       |
| Ground water table                         |                                |
| Monsoon period                             | 10m bgl                        |
| Dry month                                  | 15m bgl                        |
| Production per day in MT                   | 48                             |
| Truck/dumper required per day              | 2 (24MT capacity)              |

It was reported by the PP that

- The fresh lease was granted for period of 20 years from 20.11.2003 to 19.11.2023.
- The lease area comes under govt. & Pvt.waste land
- No other lease area are located within 500m radius
- The PP has already been obtained CTO from MPPCB
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur.

### Existing and proposed land use plan

| Items                    | Existing            | Conceptual Period   |
|--------------------------|---------------------|---------------------|
| <b>Total lease area</b>  | <b>8.45ha</b>       |                     |
| Ultimate depth of mining | 30m bgl (295m AMSL) | 50m bgl (275m AMSL) |
| Ultimate pit slope       | 45 degree           | 45degree            |
| Area under dumps         | 1.84 ha             | 2.40 ha             |
| Area under pits          | 3.63ha              | 5.0ha               |
| Area to be reclaimed     | Nil                 | 2.0ha up to 30m     |
| Infrastructure & Road    | 0.56ha              | 0.60ha              |
| Mineral storage          | Nil                 | Nil                 |
| Plantation               | 0.15 ha             | 5.25ha              |
| Water body               | 3.63ha              | 3.0ha               |

Earlier this case was dicussed in 176<sup>th</sup> SEAC meeting dated-26/02/2015 wherein it was recorded that the salient features of the project and proposed TOR were presented by the PP and his consultant before the committee. It is reported that the mine is operational with a production capacity of 1500 MTPA and PP wish to enhance the production capacity to 16000 MTPA.

After deliberations committee approved the TOR with inclusion of following points to be addressed in the EIA / EMP report:

1. Details pertaining to re-handling of waste dumps.
2. Protection plan for nearby nallah to furnished in detail.
3. Hydro-geological studies to be carried out presented with recommendations & the mitigation to prevent depletion of water in the nearby bore-wells.
4. Detailed CSR activities with budgetary provisions.
5. Present environmental status with supporting recent photographs.
6. Report on the compliances of the conditions laid in Air / water consents of MPPCB with due validation from the MPPCB.
7. Report on the compliances of the conditions laid in existing EC (if any) with due validation from the R.O. of MoEF.
8. Environment quality monitoring shall be carried out through approved laboratory. Ground-water and surface-water quality shall be analysed for heavy metal concentration along with other parameters.

Later this case was discussed in 222<sup>nd</sup> SEAC meeting dated 28/08/2015 wherein it was observed that the case pertains to category B-1, accordingly TOR was issued for the project to carry out EIA vide letter no. 75 dated 16/04/2015. As per application an enhancement in production capacity was envisaged in the project from 15000 TPA to 16000 TPA. Later PP submitted a request vide letter dated 20/07/15 stating that the Mining Plan for the project has been approved for 12072 TPA hence accordingly an amendment has been requested by the PP in the issued TOR. Committee accepted the request and decided to issue amended TOR as requested subject to the following conditions:

1. Copy of approved Mining Plan for desired production capacity shall be submitted with EIA.
2. Data and Public Hearing shall for the recent period not older than 02 years.
3. Other TORs' mentioned in the letter no. 75 dated 10/04/15 shall be applicable along with the standard TORs' prescribed by the MoEF & CC.

The PP has submitted the EIA report vide letter dated 07/10/2016 which was forwarded by the SEIAA vide letter no. 4209/SEIAA/16 dated 17/10/2016 and the same was placed in the agenda.

The EIA was presented by the PP and consultant before the committee. The committee observed that being it's an existing mine having mined out pit thus the entire ML area should be properly fenced. The EIA presented by the PP is adequate and satisfactory and other submissions made by the PP earlier were found to be satisfactory and acceptable, but it was observed that so far PP has not submitted the DFO certificate. Thus PP was asked to submit DFO certificate.

**2. Case No. – 1222/2013 M/s. Transstroy (India) Ltd., House no. 8-3-833, opp. Tanveer Hospital, Main Road, kamalapuri Colony, Hyderabad. Environment Clearance for approval Stone/Boulder & Murrum Quarry of 3.642 Hectares for production capacity-3,00,000 cum/year, at Khasra no.-183, at Vill.-Mahukala, Teh.-Budhni, Dist.-Sehore (M.P.).**

This is case of Stone/Boulder & Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra no.-183, at Vill.-Mahukala, Teh.-Budhni, Dist.-Sehore (M.P.) 3.642 ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled for the presentation in 36<sup>th</sup> SEAC-II meeting dated-04/07/2016 wherein the PP and their consultant were present. During presentation it was brought to the notice of committee that SEIAA vide their letter no. 690/SEIAA/16 dated 18/04/2016 has sent the case to SEAC stating that *“this is a case of extension of validity of EC based on the extension of lease period for additional two years by collector Sehore. PP has submitted the mining plan duly approved by competent authority. Air and Water consent and total material excavated during the EC period. It has been decided to send the case to SEAC for appraisal”*.

During presentation PP submitted that very minimum volume of mineral is excavated from the site as the mineral required for the project was held up due to some clearances from the other departments. After presentation, PP was asked to submit details on following:

1. Point wise compliance of earlier EC conditions with recent photographs.
2. Point wise compliance of consent conditions of the MP Pollution Control Board.

Later this case was returned to DEIAA through SEIAA in 47<sup>th</sup> SEAC meeting dated 27/08/2016 as this lease is <5 ha and committee observed that this may fall in pervue of DEIAA. After this the case was discuses in 366<sup>th</sup> SEIAA meeting dated-14/09/2016 and it has been recorded that *“This is a case where the EC was issued from SEIAA and PP has come for extension of EC validity in view of extension of lease period for two years granted by Collector, Sehore. SEAC has recommended this case for transfer to DEIAA Sehore in 47<sup>th</sup> SEAC meeting dtd-27/08/2016. After discussion it is decided to retain it in SEIAA for validity extension. SEAC is therefore advised to call for two point information as indicated above.*

SEIAA has forwarded the technical file to SEAC vide letter 3952 dated 07/10/16 & Today, PP was called for presentation for presentation and during presentation it was observed that the PP has submitted the compliance report of earlier EC conditions and consent conditions. During presentation it was observed that site is closely located to habitations and an industrial installation. Hence after deliberations, committee decided to carryout site visit of this lease area for further consideration of this project.

**3. Case No. –1983/2014 Shri Pradeep Mittal, Director, M/s Balaji Marble and Tiles Pvt. Ltd., 11-12 Dunne Market, Jabalpur Road, Bargawan, Katni (MP)-483501. Prior Environment Clearance for approval of proposed Katouli River Sand Quarry in an area of 7.00 ha. at Khasra no.-2502 Village-Katouli, Tehsil-Singrauli, District- Singrauli (MP)R-SEIAA in 1<sup>st</sup> SEAC-II**

This is case of Katouli River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra no.-2502 Village-Katouli, Tehsil-Singrauli, District-Singrauli (MP) 7.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.1661, dated: 11/11/14, has reported that there are no more mines operating or proposed within 1000 meters around the said mine.

Earlier this case was Return to SEIAA in 1<sup>st</sup> SEAC-II meeting dated-02/02/2016 as SEIAA in its 284<sup>th</sup> meeting dated 23/01/2016 has taken following policy decision in response to the directives of Hon'ble NGT in their order dated 06/01/2016 in Appeal No. 53/2015:-

*“All cases pertaining to sand mining, the mining plan to be submitted by Director, Geology and Mining should include details about annual replenishment of sand in the leased area and the normal water level prevalent in the lean season. The cases recommended by SEAC and under process in SEIAA will be considered only after the revised mining plan duly incorporating the additional chapters as directed above by the Hon'ble NGT is submitted by the PP and duly approved by the competent authority. The cases will be reappraised by SEAC on the basis of revised mining plan and in accordance with the directives of the Hon'ble NGT”.*

After this case was discussed in 369<sup>th</sup> SEIAA meeting dtd-23/09/2016 and it has been recorded in the minutes that “After detailed discussion and perusal of query response in 346<sup>th</sup> SEIAA meeting dtd-27/06/2016, PP has submitted the replenishment plan on 03/09/2016 and therefore it has been decided to relist the case and sent the information to SEAC for appraisal.

SEIAA has forwarded technical file along with Replenishment Plan vide letter 4113 dated-13/10/2016.

Today, case was placed for discussion and 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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**4. Case No.- 2862/2015 Shri Vikash Sharma, Mahaveer Colony, Sendhwa, Distt. - Barwani (MP)-451666. Mehatgaon River Sand-Bajri Deposit Lease Area - 7.770 ha.Capacity -7,425 cum/year, at Khasra No.- 38, Vill.-Mehatgaon, Teh.-Sendhwa, District-Barwani (MP) .**

This is case of Mehatgaon River Sand-Bajri Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra No. - 38, Vill.-Mehatgaon, Teh.-Sendhwa, District-Barwani (MP) 7.770 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.266, dated: 31/03/15, has reported that there are no more mines operating or proposed within 1000 meters around the said mine.

Earlier this case was recommended for E.C in 213<sup>th</sup> SEAC meeting dated-08/08/2015. After this case was discussed in 372<sup>nd</sup> SEIAA meeting dtd-28/09/2016 and it has been recorded in the minutes that:

*“This case was recommended by SEAC in 213<sup>th</sup> meeting dtd-08/08/2015 in 233<sup>rd</sup> SEIAA meeting dtd-04/09/2015 a query was raised for collector, Barwani to submit NOC of the works Department for the stability of two bridges following within the lease area. Therefore EE, PWD Indore has reported that no mining activity should be carried out in 500 m. distance from the road bridge and also deep mining should be prohibited. PP and other concerned were asked to modify the mining plan on account of the NOC provided by the EE, PWD.”*

Subsequently the case was delisted on account of non submission of desired information by the PP. Now PP has submitted the requisite information (modified mining plan) and therefore the case is hereby relisted and sent to SEAC-II for re-appraisal by SEIAA vide letter no 4215 dated-18/10/2016.

Today, case was placed for discussion and 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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**5. Case No. - 3051/2015 Shri Atul Gondal, Manager, M/s S.R. Traders, Rudra Enclave, Front of Banglow, Malakhedi Road, Hoshangabad (M.P.)-461001. Sand Quarry Lease Area - 5.664 Ha., Capacity - 67,968 cum/year at Khasra No.-1, Vill.-Chakaghaat, Teh.-Anuppur, District-Anuppur (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra No.-1, Vill.-Chakaghaat, Teh.-Anuppur, District-Anuppur (M.P.) 5.664 ha. The project requires prior EC before commencement of any activity at site. PP has submitted a copy of approved Mining Plan with the case file.

The case was scheduled for presentation in the 24<sup>th</sup> SEAC II meeting dated 16/05/2016 but PP remains absent. During scrutiny of the documents committee observed that PP has not submitted the desired documents essential for the appraisal of the project. SEIAA vides their letter no. 1503/SEIAA/15 dated 29/05/2015 has instructed PP to submit desired documents and SEAC has also sent a letter to PP for submission of desired information vides letter no. 1074/PS-MS/MPPCB/SEAC/15 dated 07/08/2015 but PP so far has not submitted the desired documents. Thus committee recommends that as per the MoEF&CC OM No. J-11013/5/2009-IA -II (Part) dated 30/10/2012 case may be delisted as PP has not submitted the desired information/documents. Later on SEIAA also delisted the case in its 359<sup>th</sup> meeting dated 10/08/2016. PP has submitted the desired information vide their letter dated 23/09/2016 and thus the case was relisted by SEIAA in its 372<sup>nd</sup> meeting dated 28/09/2016 and file was sent to SEAC for appraisal vide letter no. 4211/SEIAA/16 dated 17/10/2016.

PP vide their letter dated 23/09/2016 has submitted the desired information containing “Ekal Pramnpatra” and letter from DFO. Concerned Collector, through “Ekal Pramnpatra” vide letter no.557, dated: 31/03/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented today by the PP and their consultant and during presentation it was observed that the other submissions made by PP were found satisfactory and acceptable and thus the 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’:

1. Production of Sand as per mine plan with quantity not exceeding 67,968 cum/year.
2. District Authority should record the deposition of sand in the lease area at an interval of 50 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.
3. Evacuation of sand should not be allowed through the roads passing through the villages.
4. Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.



5. If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
6. The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
7. No diversion of active channel should be allowed for mining.

**6. Case No. - 3085/2015 Shri Chandar Sing S/o Shri Juwan Singh, Sasari Piplya, Teh.-Sitamau, Mandsaur (M.P.)-458990. Tatka Group River Sand Quarry Lease Area - 11.00 Ha., Capacity - 6,400 cum/year at Khasra No.- 1830, 383/338 & 1039, Vill.-Bhagor, Tatka & Meriyakhedi Teh.-Sitamau, Dist-Mandsaur (M.P.)**

This is case of Tatka Group River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-1830, 383/338 & 1039, Vill.-Bhagor, Tatka & Meriyakhedi Teh.-Sitamau, Dist-Mandsaur (M.P.) 11.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.1309, dated: 13/08/15, has reported that there are 02 more mines operating or proposed within 1000 meters around the said mine with total area of -19.50 ha including this Mine.

Earlier this case was Return to SEIAA for want of Replenishment Plan in SEAC-II 4<sup>th</sup> meeting dated-08/02/2016. SEIAA has forwarded, the Replenishment Plan vide letter no. 4117 dated-13/10/2016.

Today, case was placed for discussion and 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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**7. Case No.-5313/2016 M/s Khatri Minerals & Mining Co., 365, South Motinala, Hanumantal, Jabalpur – 482002. Prior Environment Clearance for Blue Dust/Iron Ore, Manganese, Laterite, Ocher & Clay Mine in an area of 4.49 ha. (40,809 TPA) at Khasra no.-441, 445/2, 446/1, 381/2, 388, Village-Jhansi Siluwa, Tehsil - Sihora, Dist. Jabalpur (MP).**

This is case of Blue Dust/Iron Ore, Manganese, Laterite, Ocher & Clay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 441,

445/2, 446/1, 381/2, 388 at Village-Jhansi Siluwa, Tehsil - Sihora, Dist. Jabalpur (MP) 4.49 ha. The project requires Prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 2503 dated: 31/12/15 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

### Environment setting

| Particulars  | Details   |
|--|---|
| Locations  |   |
| Village  | Jhansi & Siluwa                                     |
| Tehsil   | Sihora  |
| District   | Jabalpur  |
| State  | MP  |
| Nearest National/state Highway   | NH-7 - 3.80km - WN W                                |
| Nearest Railway Station  | Gosalpur Railway station - 2.75 km - WNW            |
| Nearest Airport  | Jabalpur - 20.0km                                   |
| Nearest Tourist Place  | None  |
| Archaeological Important Place   | None in 10 km radius                                |
| Ecological Sensitive Areas (Wild Life Sanctuaries)                             | None in 10 km radius                                |
| Reserved / Protected Forest within 10km radius (Boundary to boundary distance) | Borha RF - 3.10 km - SES                            |
| Nearest major city with 100000 population                                      | None in 10 km radius                                |
| Nearest village  | Siluwa Village - 0.10km - N<br>Jhansi - 0.25 km - S |
| Nearest Town   | Jabalpur - 20.0km                                   |

|                           |   |
|---------------------------|---|
| Physiography              | Hilly   |
| Slope                     | Radial  |
| Nearest River             | Barne River - 4.0 km - SE   |
| Nearest nalla/ pond/canal | Canal - .90 km - SE<br>Water pond - 0.130km - S<br>Water pond - 0.53km - NE<br>Barne Reservoir - 4.0km - SE<br>Maral Reservoir - 4.90km - SE<br>Budhasagar Reservoir - 6.30km - W |
| Nearest hill/valley       | None in 10 km radius  |

It was reported by the PP that

- The lease was granted for period of 30years from 18.05.2007 to 17.05.2037.
- The lease area comes under Pvt land.
- No other lease area is located within 500m radius
- mine is being operated with valid consent of MPPCB which is valid till 30.06.2019
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur.

### Sailent feature of the lease area

| Particulars   | Details                 |
|---|-------------------------|
| Type of Mine  | Open Cast               |
| Mining Lease Area                                   | 4.49 ha                 |
| Existing Pits & Quarries                            | 1.8001 ha               |
| Existing Dumps                                      | 0.6475 ha               |
| Infrastructure and road                             | 0.014 ha                |
| Plantation  | 0.1ha                   |
| Total geological Reserve                            | 770787 t                |
| Total Minal Reserve                                 | 433820 t                |
| Method of mining                                    | Fully mechanized        |
| Ultimate Depth of Mining                            | 17m bgl (upto 360m MSL) |
| Expected Life of Mines                              | 12 years from 2012      |
| Stripping Ratio                                     | 1:0.50                  |
| Existing mode to transportation                     | Road                    |
| Area to be covered under dumps in conceptual period | 1.4475 ha               |

|  |   |
|--|---|
| Area covered under pit in conceptual period                    | 2.0924 ha   |
| Area to be reclaimed in conceptual period                      | 0.3765ha  |
| Area to be rehabilitated by afforestation in conceptual period | 2.5339ha  |
| Area to be covered under water reservoir                       | 1.2650 ha   |
| Ground water table   |   |
| Monsoon period   | 20m bgl (357m AMSL)                                     |
| Dry month  | 25m bgl (352m AMSL)                                     |
| Production per day (m <sup>3</sup> )                           | 136   |
| Truck per day (20t )   | 7.0   |
| End user of mineral  | Cement grade, Cement Industries and beneficiation plant |
| Supply location  | Near by area  |

### Post land use plan

| Items                    | Existing          | At the end of conceptual period |
|--------------------------|-------------------|---------------------------------|
| <b>Total lease area</b>  | <b>4.49ha</b>     |                                 |
| Mineable area            | 2.0924ha          |                                 |
| Ultimate depth of mining | 9m bgl (366m MSL) | 17m bgl (360m MSL)              |
| Ultimate pit slope       | 45 <sup>o</sup>   | 45 <sup>o</sup>                 |
| Area under dumps         | 0.6475 ha         | 1.4475 ha                       |
| Area under pits          | 1.8001 ha         | 2.0924 ha                       |
| Area to be reclaimed     | 0.0675 ha         | 0.3765ha                        |
| Infrastructure & Road    | 0.014 ha          | Nil                             |
| Plantation               | 0.1ha             | 2.5339ha                        |
| Water body               | 0.5ha             | 1.2650ha                        |

The case was presented by the PP and their consultant. Being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.

6. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional Office.
7. Year wise details of minerals already excavated till date should be submitted with EIA report.
8. PP should submit inventory of all the existing trees and if tree falling is proposed same should be discussed in EIA report.
9. There are 02 villages within 100-150 meters of ML area, thus one-one air monitoring station should be established in these villages and thus monitoring should be carryout at atleast at 08 locations. Suitable protective measures should be proposed for these villages in the EIA report.

**8. Case No.-5329/2016 M/s D.S.Construction, D-523, Suresh Nagar, Thatipur, Gwalior, MP – 474011. Prior Environment Clearance for Sand Quarry Deposit in an area of 23.0 ha. (57,500 cubic meter per year) at Khasra no.-173, 174, Village-Badonikala , Tehsil - Badoni, Dist. Datia (MP).**

This is case of Sand Quarry Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-173, 174, Village-Badonikala, Tehsil - Badoni, Dist. Datia (MP) 23.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-513, dated: - 14/06/16, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of -46.00 ha including this mine.

The case was presented today by the PP and their consultant and during presentation it was observed that as per the Google image of Feb 2016 based on the co-ordinates provided by the PP, only 15 % area is available for sand evacuation rest QL area is submerged in water body. Since QL area is of 23 ha with depth as per mine plan is 2 meter thus the proposed volume of sand can easily be evacuated from the rest part of the lease area which is not submerged in the water. Two bridges are also seen in the Google image which are in northern side but and approx. 300 meters away and thus no area deduction is required. A natural stream is also joining the upper side of the lease at western direction, thus 100 meters of area should be left as no mining area and no sand would be evacuated from this lease area. The other submissions made by PP were found satisfactory and acceptable and thus the 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':

1. Production of Sand as per mine plan with quantity not exceeding 57,500 cum/year.

2. 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.
3. Evacuation of sand should not be allowed through the roads passing through the villages.
4. Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
5. If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
6. The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
7. No diversion of active channel should be allowed for mining.
8. A natural stream is joining the upper side of the lease area at western direction, thus 100 meters of area should be left as no mining area and no sand would be evacuated from this lease area from this natural stream.

**9. Case No.-3298/2015 Shri O.G. Goyal, Executive Director & Nominated Owner, M/s Hira Power & Steels Ltd., 101-C, Parwani Complex, Civil Line, Raipur (CG)-492001. Prior E.Cfor approval of Dolomite Mine in an area of 13.25 ha. (6,00,000 TPA) at Khasra No.-Block HK 1-1399, 1406, 1440, 1441, 1442, 1443, 1444/1-6, 1445, 1446, 1447, 1448, 1489/1-3, 1491, 1492, 1493, 1494, 1495, 1496, 1497, Block HK 3-1425, 1427, 1429/1, 1430, 1431, 1432, 1455/1-2, 1456, 1457, 1458, Vill.-Kakiya, Teh.-Bichiya, District-Mandla (MP).**

This is case of Dolomite Mine in an area of 13.25 ha. (6,00,000 TPA) at Khasra No.-Block HK 1-1399, 1406, 1440, 1441, 1442, 1443, 1444/1-6, 1445, 1446, 1447, 1448, 1489/1-3, 1491, 1492, 1493, 1494, 1495, 1496, 1497, Block HK 3-1425, 1427, 1429/1, 1430, 1431, 1432, 1455/1-2, 1456, 1457, 1458, Village-Kakiya, Tehsil-Bichiya, District-Mandla (MP) where TOR is to be issued.

| Particulars                      | Details  |
|----------------------------------|--|
| Lessee and address               | Hira Power & Steels Ltd.<br>Unit – I, Plot no. 557, 563 & 564<br>Urla Industrial complex, Raipur – 492003 (C.G.) |
| Name of Project                  | Kakaiya Dolomite mine  |
| Location of project              | Village – Kakaiya, Tehsil – Bichhiya, Dist. Mandla (M.P.)  |
| Whether new or expansion project | New  |
| Type of mine                     | Open Cast mechanized   |
| Project cost                     | Rs. 5.94 crore   |
| Latitude, Longitude              | Longitude: 80° 26' 39.5" E<br>Latitude: 22° 28' 39.6" N  |

|  |  |                    |                   |                  |
|--|--|--------------------|-------------------|------------------|
| Toposheet No.                            | 64 B/7   |                    |                   |                  |
| Total Mine Lease area                    | <b>S.No.</b>   | <b>Block</b>       | <b>Area (Ha)</b>  |                  |
|  | 1  | HK 1               | 9.060             |                  |
|  | 2  | HK3                | 4.190             |                  |
|  | <b>Tota</b>  |                    | <b>13.25</b>      |                  |
| Khasra numbers                           | <b>Block HK1</b> – 1399, 1406, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1489, 1491, 1492, 1493, 1494, 1495, 1496, 1497,<br><b>Block HK3</b> – 1425, 1427, 1428, 1429/1, 1430, 1431, 1432, 1455, 1456, 1457, 1458. |                    |                   |                  |
| Production                               | 6, 00,000 TPA  |                    |                   |                  |
| Life of Mine                             | 10 Years   |                    |                   |                  |
| Man Power                                | 19   |                    |                   |                  |
| Elevation                                | <b>S.No.</b>   | <b>Particulars</b> | <b>Elevation</b>  |                  |
|  |  |                    | <b>Block HK 1</b> |                  |
|  | 1.   | Highest (mRL)      | 464               |                  |
| 2.                                       | Lowest (mRL)   | 460                |                   |                  |
| Land use                                 | <b>S. No.</b>  | <b>Particulars</b> | <b>Area (ha.)</b> |                  |
|  | 1)   | Non-Forest land    | 13.25             |                  |
|  | <b>Total area</b>  |                    | <b>13.25ha.</b>   |                  |
| Nearest habitation/ town                 | Kakaiya.1.0 Km S   |                    |                   |                  |
| Nearest Airport                          | Jabalpur 100.0 Km  |                    |                   |                  |
| Nearest Highway                          | <b>S. No.</b>  | <b>Highways</b>    | <b>Distance</b>   | <b>Direction</b> |
|  | 1.   | SH -11             | 11 km             | W                |
|  | 2.   | SH -12             | 12 Km             | NW               |
| Nearest railway track from mine boundary | SE Railway MP 8.0 Km W   |                    |                   |                  |
| Power supply                             | Madhya Pradesh State Electricity Distribution Co. Ltd. - 33KV grid station   |                    |                   |                  |
| Nearest Telephone                        | At mine site   |                    |                   |                  |
| Nearest Dispensary and Govt. Hospital    | Kakaiya.1.0 Km S   |                    |                   |                  |
| Educational facility                     | Kakaiya.1.0 Km S   |                    |                   |                  |
| Water demand and supply                  | The total water demand will be 9.0 KLD for the proposed project. 5.0 KLD for Mining and allied, 2.0 KLD for green belt development and 2.0 KLD for domestic use.   |                    |                   |                  |
| Nearest tourist places                   | None within the 10 Km study area.  |                    |                   |                  |
| Defense installations                    | None within the 10 Km study area.  |                    |                   |                  |

|  |   |                                |                                 |  |
|--|---|--------------------------------|---------------------------------|--|
| Archeological Features                                     | None within the 10 Km study area.   |                                |                                 |  |
| Ecological sensitive zones                                 | None within the 10 Km study area.   |                                |                                 |  |
| Nearest streams/ rivers/ water bodies (from mine boundary) | <b>S. No.</b>   | <b>Watercourses (seasonal)</b> | <b>Distance &amp; Direction</b> |  |
|  | 1.  | Banjar River                   | 5 Km W                          |  |
|  | 2   | Mathari river                  | 4.5 N                           |  |
|  | 3   | Surpan Nadi                    | 2.0 Km N                        |  |
| Seismic zone   | Seismic zone-II   |                                |                                 |  |
| Annual Climatic Conditions                                 | Max. Temperature – 45°C<br>Min <sup>m</sup> Temperature – 6°C<br>Average Rainfall–1250mm  |                                |                                 |  |
| Open cast Mining   | <p>The mining will be carried out by open cast mechanized method consists of following operations:</p> <p>(i) The haulage road will be constructed by maintaining a gradient of 1:16 with width of about 10 m for to &amp; fro movement of dumpers.</p> <p>(ii) The development will be carried out on the southern side of the lease area by removing OB of about 4.0 m thick and this will form the first bench (OB bench). The OB will be removed using a excavator fitted with ripper and transported to the dump yard.</p> <p>(iii) After removal of OB, production of dolomite will start with a bench height of 6 m.</p> <p>(iv) The blast holes will be drilled by DTH drill machine of 80 mm dia for blasting. Thereafter, the oversized blasted mass will be reduced by hydraulic rock breaker to loadable size (from 0 to 1200 mm) which will be transported by excavator/dumper combination to destination point.</p> <p>(v) The recovery of saleable dolomite will be expected as 95% of the total ROM and the remaining 5% constituting of intercalation material, like schist, micaceous material and chert in voids encountered within the dolomite bands will be separated manually and will form waste, which will be used for preparation and maintenance of haul roads.</p> |                                |                                 |  |



| Land Use Break Up |                              | Table showing the area "put to use" area to be reclaimed and financial assurance to be paid: |   |              |   |  |
|-------------------|------------------------------|--|---|--------------|---|--|
| S. No.            | Head                         | Area put On use at the start of Scheme (Ha)  | Additional Require-ment during scheme Period (Ha) | Total (Ha)   | Area considered As fully reclaimed & Rehabilitated (Ha) | Net area Considered for Calculation (Ha) |
|                   |                              | A  | B   | C=(A+B)      | D   | E=(C-D)                                  |
| 1                 | Area under mining            | ---  | 4.283   | 4.283        | ---   | 4.283                                    |
| 2                 | Storage for Top soil/OB Dump | ---  | 1.713   | 1.713        | ---   | 1.713                                    |
| 3                 | Mining storage               | ---  | Nil   | Nil          | ---   | Nil                                      |
| 4                 | Crusher                      | ---  | Nil   | Nil          | ---   | Nil                                      |
| 6                 | Infrastructure               | ---  | 0.050   | 0.050        | ---   | 0.050                                    |
| 8                 | Area under Haulage Road/Ramp | ---  | 0.100   | 0.100        | ---   | 0.100                                    |
| 9                 | Waste Dump                   | ---  | Nil   | Nil          | ---   | Nil                                      |
| 10                | Railways                     | ---  | ---   | ---          | ---   | ---                                      |
| 11                | Green Belt                   | ---  | 0.945   | 0.945        | ---   | 0.945                                    |
| 12                | Tailing pond                 | ---  | ---   | ---          | ---   | ---                                      |
| 13                | Effluent treatment plant     | ---  | ---   | ---          | ---   | ---                                      |
| 14                | Mineral separation plant     | ---  | ---   | ---          | ---   | ---                                      |
| 15                | Township area                | ---  | ---   | ---          | ---   | ---                                      |
| 16                | Others to specify            | ---  | ---   | ---          | ---   | ---                                      |
|                   | <b>Grand Total</b>           | <b>Nil</b>   | <b>7.091</b>                                      | <b>7.091</b> | <b>---</b>  | <b>7.091</b>                             |

The case earlier was discussed in the 119<sup>th</sup> SEAC meeting dated 25/08/2015 wherein after deliberations following TORs were issued by the committee in addition to the standard TORs prescribed by the MoEF & CC:

1. Issues raised by commissioner office vide case no. 01/ML/2013 should be addressed in detail in EIA.
2. Issues rose in minutes of GoMP, Mining Department reference no. F-14-42/2013/12/2 regarding transportation of minerals through Mandla district should be discussed in EIA.
3. Two villages are in the vicinity of Mining lease area and same should be addressed in EIA with their protection plan.
4. Protection plan of all natural drainage and water bodies in the vicinity of mining lease area should be discussed in EIA.
5. Several trees are existing in mining lease area thus green belt development plan be discussed in the mining lease area.
6. Mineral evacuation and transportation plan should also be discussed in the EIA.

PP vide letter dated 28/10/2016 has submitted a request that as per new notification of MoEF their mine has now falls in to B2 category and thus considered as B2 category for EC. For decision on above request of PP case was scheduled in agenda for discussion and decision.

The case was presented by the PP and their consultant wherein PP submitted that as per GOI, MoEF&CC notification dated 01/07/2016 their mine falls in B2 category as there are 04 more mines within 500 meters of the area as per the certificate issued by the mining officer vide letter no. 861 dated 20/08/2016 and out of these more 04 mines, 03 mines have got EC and thus their area should not be considered for cluster approach. Committee on perusal of the documents submitted by PP observed that there are 04 more mines within 500 meters of this mine and one mine belongs to Shri Vinod kumar Agarwal, Mandla of 6.81 ha have got EC by SEIAA, MP on dated 27/04/2012 (before 15/01/2016) and rest 02 mines have got EC's from DEIAA (After 15/01/2016). Hence the area of mine belongs to Shri Vinod kumar Agarwal, Mandla of 6.81 ha will not be counted in cluster approach as per GOI, MoEF&CC notification dated 01/07/2016. Deducting the area of 6.81 ha from the total cluster area of 29.80 ha, the effective area will be 22.99 ha which is less than 25.00 ha. Committee after deliberation decided that on the above basis this mine will not fall under B1 category and should be appraised as B2 considering the total area is <25.00 ha and Dolomite is declared as minor minerals by Govt. of India vide Gazette notification S.O. 423(E) dated 10 Feb. 2015. Committee further informed PP that as per the GOI, MoEF&CC notification dated 01/07/2016 they have to submit comprehensive EMP through QCI/NABET **accredited** consultant considering all other mines within 500 meters in EMP and regional EMP. PP submitted that they have prepared the EMP as per the GOI, MoEF&CC notification dated 01/07/2016 and thus were allowed for the presentation.

During presentation it was observed by the committee that the lease is in forest area for which PP has obtained the approval of Divisional Commissioner Level Committee wherein committee recommends that the conditions stipulated by the Divisional Commissioner Level Committee should be complied by the PP. It was further observed by the committee that the lease is in two parts which is allotted by the Govt of MP for captive use vide letter dated 04/03/2014 in Block HK-1 of 09.060 ha and Block HK-3 of 04.190 ha with total area of 13.250 ha. As per MMR Rule, 1996 the lease should be compact and contiguous but PP during presentation submitted that The Mines and Minerals (Development and Regulations) Act, 1957, (6) lease can be allotted in even if it is not compact and contiguous. On perusal of the Mines and Minerals (Development and Regulations) Act, 1957, (6) committee observed that there is a provision but if such allotment is made by the authority the reason thereof should be mentioned. PP requested that SEAC may write a letter to Director, Geology and Mining, Bhopal for confirmation of above

fact and allotment as per the provision of Mines and Minerals (Development and Regulations) Act, 1957. Committee after deliberations decided that a clarification should be obtained from Director, Geology and Mining, Bhopal for confirmation of facts as above for further consideration of the case.

**10. Case No. - 3099/15 - Shri Raj Kumar Nema, OIC, Sub Off., M.P. State Mining Corporation Ltd., H.No. 12, Ward No. 17, Sainath Colony, Meenakshi, Hoshangabad (MP)-461001. Prior E.C for approval of Uchan River Sand Quarry in Lease Area -22.00 ha., Capacity - 1,00,000 cum/year at Khasra No.-1/1, Vill.-Uchan, Teh.-Handiya, District-Harda (MP).**

This is case of Uchan River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-1/1, Vill.-Uchan, Teh.-Handiya, District-Harda (M.P.) 22.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 13356 dated: 29/9/15 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was discussed in 39<sup>th</sup> SEAC-II meeting dated-14/07/2016 wherein it was recorded that *“The case was earlier discussed in the 213th SEAC meeting dated 08/08/2015 wherein it was decided that the project along with the project mentioned as case no. 3354 are located on the downstream of Indira Sagar Dam and these site always remain in water due to back-waters of the dam. Mining activities may not be feasible at these sites. Based on the above facts the cases were recommended for rejection.*

*The case was again discussed in the 253<sup>rd</sup> SEAC meeting dated 18/12/2015 wherein in it is recorded that “However, due to typographical error, downstream was mentioned in place of upstream. As the mine is in the upstream of Indira Sagar Dam and entire mine area is submerged in water thus the case is not recommended for grant of EC”.*

*SEIAA vide letter no. 2261/SEIAA/16 dated 30/06/2016 has sent back the file to SEAC along with replenishment plan submitted by the PP and duly approved by competent authority.*

*The case was again placed in agenda for the presentation wherein committee observed that this case was discussed earlier in the 253<sup>rd</sup> SEAC meeting dated 18/12/2015 wherein in it is recorded that “However, due to typographical error, downstream was mentioned in place of upstream. As the mine is in the upstream of Indira Sagar Dam and entire mine area is submerged in water thus the case is not recommended for grant of EC”.*

*During discussion PP (Mr. Rohit Gautam, OIC, M.P. State Mining Corporation Ltd) informed that the site is not submerged in the back water of Indira Sagar dam and also submitted that the concerned collector has issued a letter stating that entire site is not submerged in the back water of dam but could not produce the copy of the letter. Thus committee after deliberations decided that PP should submit the copy of the above letter issued by the collector stating that this site is not submerged in the back water of dam.”*

SEIAA vide letter no. 2261/SEIAA/16 dated 30/06/2016 has forwarded the replenishment plan submitted by the PP. Earlier SEIAA vide letter no. 8998/SEIAA/16 dated 11/12/2015 has forwarded the revised mine pila submitted by the PP.

Today, case was again placed in agenda and during presentation by PP and their consultant it was observed by the committee that PP has submitted the Collector's letter issued vide letter dated 09/06/2016 wherein it is informed that at present lease is not affected by the submergence of Indra Sagar Dam then partially submerged in water and is on the upstream of the dam. It is further submitted by the collector that due to the flowing water of Narmada River, the lease area is partially submerged in it and this submergence is increased during rainy season. Committee further observed that as per the Google image of Jan.2016 based on the co-ordinates provided by the PP, the availability of the lease area which is not submerged in water is only 30% and rest 70 % of QL area is submerged in water. Committee observed that as per the revised mine plan only 6.00 ha area is required for the evacuation of 1,00,000 cum/year of sand and with the available 30% area i.e. 6.6 ha which is not submerged in water, the proposed volume of sand evacuation is possible. The other submissions made by PP were found satisfactory and acceptable and thus the 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':

1. Production of Sand as per mine plan with quantity not exceeding 1, 00,000 cum/year.
2. 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.
3. Evacuation of sand should not be allowed through the roads passing through the villages.
4. Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
5. If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
6. The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
7. No diversion of active channel should be allowed for mining.

**11. Case No.-5436/2016 Shri Madam Singh S/o Shri Bheem Singh, Vill. Karadiya, Teh. Alote, Dist. Ratlam, MP – 457118. Prior Environment Clearance for River Sand Deposit Quarry in an area of 12.00 ha. (1800 cum per annum) (Khasra no. 01) at Village- Kalakhedi, Tehsil - Alote, Dist. Ratlam (MP)**

This is case of River Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 01) at Village- Kalakhedi, Tehsil - Alote, Dist. Ratlam (MP) 12.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 385 dated: 24/06/16 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

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

**12. Case No.-5440/2016 Shri Dharmendra Singh S/o Shri Prabhunath Singh, 32, Vill. Bedda, Teh. Selana, Distt. Ratlam, MP – 458667. Prior Environment Clearance for Sand Deposit Quarry in an area of 5.70 ha. (10,000 cum per annum) (Khasra no. 01, 483) at Village- Bhadankala, Tehsil - Bajna, Dist. Ratlam (MP)**

This is case of Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 01, 483) at Village- Bhadankala, Tehsil - Bajna, Dist. Ratlam (MP) 5.70 ha. The project requires Prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 619 dated: 02/05/2015 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed as per the Google image of April 2013 based on the co-ordinates provided by the PP, approximately 50 % of the lease area is submerged in water but only 10,000 cum/year of sand is required which can be easily evacuated from the remaining area. The submissions made by PP were found satisfactory and acceptable and thus the 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 10,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 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.

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

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

The case was presented by the PP and their consultant wherein PP submitted that there is no agriculture land, forest land or any water body in the lease area. No national park, sanctuary or any eco sensitive area exists within 10 kms radius. The mining lease was granted for 5 years period w.e.f 12.09.1983 to 11.09.1988 and then further renewed up to 11-09-1998. The lease area is deemed to be extended for 50 years period as per the MM (D&R) Amendment Act 2015. The proposed rate of production is 2,08,452 TPA. The Mining Plan was approved by IBM on

24.02.2016. Opencast Other Than Fully Mechanized method of mining will be adopted in the lease area. The tehsil head quarter –Satna is at 20 kms. The nearest railway station is Bhadanpur Railway Station at 7 km and the nearest airport is Jabalpur at 121 km. N.H.-7 passes at 7 kms in north direction. Being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
6. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional Office.
7. Year wise details of minerals already excavated till date should be submitted with EIA report.
8. PP should submit inventory of all the existing trees and if tree falling is proposed same should be discussed in EIA report.
9. PP has to submit the lease validity extension certificate along with EIA report.
10. At least 08 stations should be selected for monitoring and results should be discussed in the EIA report.
11. Site lies within 250 meters of forest area. Thus the approval of divisional commission committee, Rewa has been approved and committee has reduced the ML area from 5.529 ha to 4.732 ha as minable area.
12. Lease validity extension documents should be submitted with the EIA report.

**14. Case No.-1239/2013 Shri Prateek Khandelwal, Kali Santar, Morar, Dist - Gwalior (MP). Metal Stone Quarry Lease Area - 02.00 ha. at Khasra No – 3717/2, Capacity – 1,90,000 Cubic meter/Year ( Existing Cap. – 14000 CFT/Year), Vill. -Bilaua, Tehsil-Dabra, Distt. - Gwalior (M.P).**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No – 3717/2, Capacity – 1,90,000 Cubic meter/Year ( Existing Cap. – 14000 CFT/Year), Vill. -Bilaua, Tehsil-Dabra, Distt. - Gwalior (M.P) 02.00 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled for the presentation today 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. It was informed to the committee that this case was recommended by the committee in the 47<sup>th</sup> SEAC II meeting 27/08/2016 for transferred to DEIAA through SEIAA.

It was also informed to the committee that this case was discussed in the 371<sup>st</sup> SEIAA meeting dated 27/08/2016 wherein it was found that the certificate issued by the Mining Officer, Gwalior on 02/07 2015 has mentioned the area of Khasra No. 3717/2 to be 1.582 ha where as the TOR was issued for 2.00 ha and PP had also applied in form-1 as 2.00 ha. It seems there is a discrepancy in the lease area and therefore the file may be sent to SEAC II for clarifications vide letter no. 4138/SEIAA/16 dated 13/10/2016. On perusal of the documents attached with the case file, committee observed that:

- a. PP has applied in form-1 for an area of 2.00 ha and the case was registered as 2.00 ha area of lease.
- b. DFO vide letter no. 7768 dated 16/11/2012 has issued certificate for Khasra No. 3717/2 for 2.00 ha.
- c. Tehsildar also vide letter no. 969 dated 06/12/2012 has issued certificate for Khasra No. 3717/2 for 2.00 ha.
- d. Lease agreement was executed for Khasra No. 3717/2 for an area of 2.00 ha signed by Collector, District- Gwalior and Asstt. Mining Officer, District.
- e. The lease sanctioned order issued by the competent authority vide letter no. QL/77/2001 dated 26/09/2007 is also for the Khasra No. 3717/2 for an area of 2.00 ha.
- f. Mine Plan was also approved by the competent authority for an area of 2.00 ha for Khasra No. 3717/2 vide letter no. 992 dated 07/09/2013.

However, later on Mining Officer, Gwalior vide letter dated 02/07/2015 has mentioned the area as 1.582 ha. but all the other certificates/documents attached with the case file exhibit the lease area as 2.00 ha, the Committee after deliberations recommends that since the case lies in the pervuew of DEIAA and SEAC has already recommended for its transfer in the 47<sup>th</sup> SEAC II meeting, the case file, may be transferred to DEIAA with mentioning of above discrepancies for onward verification and necessary considerations at their level.

15. **Case No. 3201/15 Shri Dilip Singh S/o Shri Bhadur Singh, Dhabalakham, Tehsil-Badod, District-Agar (MP)-465441. Prior Environment Clearance for approval of Basalt Stone Quarry Lease Area - 2.00 ha., Capacity - (25,000 cum/year) at Khasra No.-1057, Village-Jamali, Tehsil-Badod, District-Agar (MP).**



This is case of Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No.-1057, Village-Jamali, Tehsil-Badod, District-Agar (MP) 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 301 dated: 01/08/2015 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine and total mine 6.00 Ha including area of this mine.

Earlier SEAC has recommended this case for grant of E.C in its 249<sup>th</sup> SEAC meeting dated-14/12/2015. After this case was discussed in 259<sup>th</sup> SEIAA meeting dtd-10/08/2016 and it was recorded that

*“After detail discussion of query raised in 318<sup>th</sup> SEIAA meeting dtd-13/04/2016, the case was delisted for want of requisite information. Now PP has submitted the NOC of the DFO, Shajapur on 08/07/2016 and therefore the case is hereby relisted and the information be sent to SEAC for re-appraisal”.*

SEIAA has forwarded the technical file vide letter no.-3440 dated-08/09/2016 on the basis of this the case was placed in today agenda. The case was presented by the PP and their consultant wherein the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ‘A’:

- Production of Stone as per mine plan with quantity not exceeding 25,000 cum/year.

**16. Case No.-5287/2016 Shri Mohiuddin Shaikh S/o Shri Ayazuddin Shaikh, Lease, R/O - 1, Moti Bunglow, Dewas – 455001. Prior Environment Clearance for Stone Quarry in an area of 9.00 ha. (20,000 cum/year) at Khasra no.-772 & 774, Village-Surajpur, Tehsil - Shajapur, Dist. Shajapur (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-772 & 774, Village-Surajpur, Tehsil - Shajapur, Dist. Shajapur (MP) 09.00 ha. The project requires Prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 634 dated:

23/05/2016 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was discussed in 43<sup>rd</sup> SEAC-II meeting dated-28/07/2016, wherein it was observed that from the Google image based on the co-ordinates provided by the PP that a natural drain is at a distance of 500 meters however, as per certificate of OIC, Office of collector, Shajapur it is mentioned that the natural drain is at a distance of 50 meters which could not be located on the Google image. After presentation, PP was asked to submit following information:

1. Revised EMP and CSR with enhanced budgetary provisions.
2. Name of village where CSR activity shall be carried out.
3. Mine water discharge management plan with details of garland drain & settling tank on map.
4. Proposed methods of blasting.
5. Revised plantation scheme with no. of plants and budgetary provisions.
6. Clarification from OIC, Office of collector, Shajapur regarding the exact distance of the lease from the natural drain.

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

**17. Case No. – 2326/2015 Shri Pawan Mishra S/o Shri Narayan Mishra, Vill.-Badgonda, Teh.-Mhow, District-Indore. Prior E.C for approval of proposed Stone Quarry in an area of 2.50 ha. Production Capacity-45,000 cum/year, at Khasra no.-286/3, 285/782 Vill.-Badgonda, Teh.-Mhow, District-Indore.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-286/3, 285/782, Village-Badgonda, Tehsil-Mhow, District-Indore (MP) 2.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 441,

dated: 18/05/15 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 9.223 ha including this mine.

Earlier this case was discussed in 36<sup>th</sup> SEAC-II meeting dated-04/07/2016 wherein it was recorded that

*“The case was scheduled for presentation in the 30<sup>th</sup> SEAC meeting dated 04/06/2016 wherein it is 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. The case was earlier discussed in the 09<sup>th</sup> SEAC II meeting dated 24/02/2016 wherein after presentation PP was asked to submit revised surface map duly approved by the competent authority which is so far not submitted by the PP. Committee decided to give last chance to the PP in subsequent meetings and even if the PP remains absent or does not provide the desired information, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project”.*

*The case was presented by the PP and their consultant wherein PP requested that they will submit the revised surface map addressing the issues raised by SEIAA in their 258<sup>th</sup> meeting dated 18/11/2015 and 09<sup>th</sup> SEAC II meeting dated 24/02/2016 within a month's time. Committee after deliberations decided that on the request of PP one month time may be given to PP for submission of revised surface map as per the decision of 09<sup>th</sup> SEAC II meeting dated 24/02/2016.”*

PP has submitted the desired information vide letter dated 24/08/2016 and thus the case was scheduled in agenda.

The case was presented by the PP and their consultant wherein PP submitted that there is no water body near the lease area and water filled old mined out pit is in existence within the QL area. PP further submitted that they have left 100 meters area from the highway and QL as no mining area as per the requirement of MMR Rule, 1996. The committee after deliberations decided that since PP has left desired distance as per their letter dated 24/08/2016 from the National highway and submitted the revised map, case can be recommended for EC as per the 214<sup>th</sup> SEAC meeting dated 20/08/2015 with following special conditions in addition to the standard conditions at annexure ‘A’:

1. Production of stone boulder shall be as per the approved mining plan not exceeding 45,000 cum / Year.

2. National Highway is about 30 meters away from the QL area thus a setback of 70 meters be left from the QL area as no mining zone.
3. The QL area should be properly fenced and proper safety sinages should be provided on the area which is facing the National highway.

**DISCUSSION ON QUERY RESPONSE SUBMITTED BY PP OR THE PROJECT ISSUES RECEIVED FROM SEIAA**

**18. Case No. – 2824/2015 Smt. Shanti Bai W/o Late Shri Gopilal Sisodiya, Vill.-Balampur, Teh.-Huzur, District-Bhopal Bhanwar Khedi Stone Quarry Lease Area- 2.023 ha., Capacity - 8,550 cum/year, at Khasra No. – 1, Vill.-Bhanwar Khedi, Teh.-Raisen, District-Raisen (MP)**

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. – 1, Vill.-Bhanwar Khedi, Teh.-Raisen, District-Raisen (MP) 2.023 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 297, dated: 7/4/2015 has reported that there are no more mines operating or proposed within 500 meters around the said mine. A railway track is about 250 meters away from the ML area. No crusher is proposed in the ML area as informed by the PP during presentation.

The case was discussed in the 260<sup>th</sup> SEAC meeting dated 07/01/2016 wherein the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

- Production of Stone as per mine plan with quantity not exceeding 8,550 cum/year.

SEIAA vide letter no. 3434/SEIAA/16 dated 08/09/2016 has sent back the file for clarification as a railway track is in close proximity of the QL and whether it will cause adverse impact which was placed before the committee. The committee observed that earlier SEAC has observed in their minutes of 260<sup>th</sup> meeting that a railway track is about 250 meters away from

the ML area. The committee again refer the Google image based on the co-ordinates provided by the PP and it was observed that the distance from the railway track is >250 meters and as per MMR Rule, 1996, the minimum distance from the railway track should be 100 meters. Since the QL is in close proximity of the railway track, PP should be permitted only for controlled blasting with wet drilling to reduce the impact of vibrations.

**(R. K. Sharma, Member)**

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

**(Mohd. Kasam khan, Member.)**

**(Prashant Shrivastava, Member)**

**(Anil Kumar Sharma, Member.)**

**(Sonal Mehta, Member.)**

**(Dr.NavinChandra, Chairman)**

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

Annexure- 'A'

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

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
3. Transportation of material shall be done in covered vehicles.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Curtaining of site shall be done using appropriate media.
6. 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.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
11. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
12. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
13. 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. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. Plantation shall be carried out on the banks for stabilization of the banks.
4. The mining activity shall be done manually.
5. 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.
6. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
7. 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.
8. No Mining shall be carried out during Monsoon season.
9. The depth of mining shall be restricted to 3m or water level, whichever is less.
10. No in-stream mining shall be allowed.
11. 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.
12. Established water conveyance channels should not be relocated, straightened, or modified.
13. 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.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
16. EC will be valid for mine lease period subject to a ceiling of 5 years.
17. 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. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. 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.
4. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
5. The mining activity shall be done manually.
6. Heavy vehicles shall not be allowed for removal of sand.
7. The sand shall be transported by small trolleys up to the main transport vehicle.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
9. No Mining shall be carried out during Monsoon season.
10. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
11. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
12. The mining shall be carried out strictly as per the approved mining plan.