

The 304<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 15 January, 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. Rubina Chaudhary, Member.
4. Shri Prasant Srivastava, 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. 484/2009 M/s Agrawal & Singh minerals Prop. Shri Upendra Singh R/o village-Budwa P.O. Teh- Beohari Distt- Shahdol, C/o 48, Prabhat Vihar Colony, Satna-M.P. Dhari No.1, ochre, white clay & Laterite mine 46.761 ha. At village Dhari, Teh- Beohari, Distt- Shahdol- M.P.**

This is a case of ochre, white clay & Laterite. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at village Dhari, Teh- Beohari, Distt- Shahdol- M.P 46.761 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was discussed in 79<sup>th</sup> SEAC-II meeting dated-13/06/2017 wherein it was recorded that:

This case was discussed in 45<sup>th</sup> SEAC-II meeting dated-09/08/16 & 66<sup>th</sup> SEAC-II meeting dated-06/02/2017 wherein it was recorded that: This being a mining project with lease area between 5 ha to 50 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC.

The case was earlier discussed in the 46<sup>th</sup> SEAC meeting dated 28/01/2010 wherein the applicant, presented the salient features of the project .Information pertaining to the above project was examined by the committee. This is a case of a new mine. Open-cast, manual mining has been proposed, mining shall not intersect the GW table. Nearest village is Dhari which is about 600 mts from the lease area boundary. Site is surrounded by Reserve forest and nearest Magrodhaha RF boundary about 0.5 Km from the site. River Banas is located at 1.5 Km from the site. One temple and four huts have been reported in the lease area. One stop dam is also located in the lease area. After detailed deliberations, the SEAC has recommended the inclusion of following TORS in the preparation of EIA/EMP:-

- Duly attested & certified Mining Plan approved by competent authority has to be submitted along with the copy of current lease deed and lease letter.
- Monitoring has to be taken up as per the norms using appropriate air/water quality modeling, based on meteorological data (wind-rose) of the region.
- All chemical analyses report from approved laboratory in original format. The chemical analyses should incorporate method of analyses, instruments used and the details of standards used. The date and time of sampling should also be mentioned in the report.
- Total area for which afforestation has been proposed – plan stating how much plantation shall be taken up yearly, has to be submitted. Plantation of local species along with Sheesham, Neem, Tendu, Kachnar & various fire-wood trees should be taken up. Map showing green belt to be submitted.
- Plantation in at least 33% of the total area has to be ensured with the lease period; accordingly plan has to be submitted with EIA.
- PFR should include cost benefit analyses considering- social cost, environment cost and pre-occupational cost.
- For welfare of the mine-workers various activities such as regular health checkups, first-aid, shelter for rest and meals, drinking water etc. has to be taken up. Nearby mine owners may form a society and funds for welfare of mine-workers may be created from various govt. schemes and other sources. This aspect has to be covered in the EMP.
- Management of OB solid waste generated during mining has to be addressed through incorporation of a concrete plan for the same.
- Water-shed management plan to be submitted, in view of the damages caused in the catchment-area of rivers falling in the prescribed study area of mining region & to support the ground-water recharging.
- In land use map, details regarding the agricultural crops pattern around the mining area should also be added.
- Map depictions: coloured maps depicting land use of the region showing sensitive / fragile features and detailed lay-out of the site clearly showing green-belt (existing & planned)
- Species proposed in the green belt development should be notified.
- Satellite Image of the location of mine should be submitted with demarcation of other proposed/in operation mines in nearby area.
- Location is also to be shown in Tehsil map procured from revenue department.
- The EIA should be prepared based on model TOR for appraisal of mining projects issued by MoEF, Delhi
- NOC from Gram Sabah.
- NOC from forest department mentioning the distances of lease area from reserve forest, wild life sanctuaries, national parks etc.

- Notifications, Rules and Guidelines issued by MoEF and CPCB from time to time have to be followed strictly while executing the project. Accordingly, provisions have to be made in the EIA/EMP.
- Temple should be preserved and open to all.
- Water from the dam should be open to all.

The TOR was issued to the PP vide letter no. 150 dated 18/02/2010. The PP has submitted the EIA report to SEIAA vide letter no. 459 dated 21/11/2011 but same was not sent to SEAC due to payment related issues related to public hearings. SEIAA vide letter no. 6038/SEIAA/16 dated 06/10/2015 has forwarded the file to SEAC for appraisal stating that “the case was kept on hold by SEIAA in view of non-payment of the charges of news paper advertisement about public hearing. It is informed by the concerned officer, MPPCB that the payment has been made by the PP to the concerned news agency. Hence the case may be forwarded to SEIAA further action in the matter”.

The case was discussed in the 255<sup>th</sup> SEAC meeting dated 02/01/2016 wherein it was decided by the committee that to place it for appraisal in forthcoming meetings of SEAC. The case was scheduled for the presentation in the 08<sup>th</sup> SEAC II meeting dated 20/02/2016 wherein PP remains absent. The case was again scheduled for presentation in the 37<sup>th</sup> SEAC II meeting dated 12/07/2016 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. Earlier PP was also absent in the 08<sup>th</sup> SEAC II meeting dated 20/02/2016. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project”. Accordingly, PP was also informed vide this office letter no. 1200 dated 18/07/2016.

The case was again scheduled for the presentation today (45<sup>th</sup> SEAC-II meeting dated-09/08/16) 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. Earlier PP was also absent in the 08<sup>th</sup> SEAC-II meeting & 37<sup>th</sup> SEAC II meeting. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

Today (66<sup>th</sup> SEAC-II meeting dated-06/02/2017) this case was again placed in agenda as SEIAA has forwarded this case file vide letter no. 4909 dated-06/01/17 stating that “PP has submitted a letter dated-16/12/2016 showing his inclination to present the case in SEAC. Therefore it has been decided to relist the case and send the file back to SEAC for appraisal.”

The case was presented by the PP wherein during discussion and scrutiny of the document it was observed by committee that DFO vide letter no. 7490 dated 16/12/2014 has issued a certificate stating that Tiger Reserve, Sidhi (a notified PA) is situated approx. 05 kms away from the project site and thus the case becomes category-A. PP during discussion submitted that the Tiger Reserve, Sidhi is approx. 6.5 Kms away from the site and requested to ask DFO with exact distance as in the submitted certificate approximate distance is mentioned by the DFO and also submitted a written request. Considering the request of PP, committee decided to obtain Revised DFO certificate with the exact distance from the nearest boundary pillar of the lease within 30 days for further consideration of this project. PP was also instructed to peruse the case with the DFO for its timely submission.

PP has submitted the Application dated: 21/6/17 which was forwarded by SEIAA vide letter no. 1136 dated 14/11/17.

The case was presented by the authorized representative of the PP in the 79<sup>th</sup> SEAC meeting dated 13/06/2017. During discussion it was observed by the committee that DFO, Shahdol vide letter no. 2092 dated: 01/06/2017 has submitted that applied area is 2060 meters away from the Son Ghariyal Abhayaran and as per MoEF & CC Notification dated: 25/6/14 any project or activity specified in category "B" will appraised at the Central level as Category-A if located in whole or in part within 05 kms from the boundary of protected areas notified under the Wildlife (Protection) Act, 1972. Thus committee after deliberations decided to forward this case to SEIAA as the applied area is 2060 meters away from the Son Ghariyal Abhayaran for onward necessary action as per MoEF & CC Notification dated 25/6/2014.

The case was discussed in the 453<sup>rd</sup> SEIAA meeting dated 06/11/2017 wherein it was decided that that PP has made representation dated: 21/6/2017 in SEIAA regarding clarification of coordinates and distance from Tiger Reserve/ Wild Life Sanctuary. The above representation received from PP is sent to SEAC regarding reappraisal and re-consideration of the case. The case file was sent vide letter no. 1136/SEIAA/17 dated 14/11/2017.

The case was presented by the authorized representative of PP in the 300<sup>th</sup> SEAC meeting dated 08.12.2017 wherein during discussion it was informed to the committee by the representative that due to unavoidable circumstances they will not be able to present the case in this meeting and requested to consider their case for next meeting of committee for which a written request was also submitted by the PP vide letter dated 08/12/2017. Committee considering the request decided to give another opportunity in subsequent meetings of SEAC.

This case was again scheduled for presentation in 303<sup>th</sup> SEAC meeting dated 23.12.2017, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the

deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today this case was again scheduled for 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. PP was also absent in the 300<sup>th</sup> SEAC meeting dated 08.12.2017 & 303<sup>th</sup> SEAC meeting dated 23.12.2017. Meanwhile PP has apologized through mail for not attending today's SEAC meeting due to unavoidable circumstances and ill health/medical conditions and requested to schedule this case after 26<sup>th</sup> January 2018. Committee accepted the request and decided to call the PP in subsequent meetings after January 2018 giving last chance to present their case and even if PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**2. Case No.-5285/2016 M.P. State Mining Corporation Ltd Paryawa Bhawan, Block No. 1, 2nd Floor Jail Road, Bhopal. Prior Environment Clearance for Bauxite Mine in an area of 4.90 ha. (50000 TPA) at Khasra No. 3852 & 3853 at Village-Tikar, Tehsil - Huzur, Dist. Rewa (MP) (EIA CONSULTANT: M/s Creative Enviro Services, Bhopal).**

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

**Environment setting**

Particulars	Details
Locations	
Village	Tikar
Tehsil	Huzoor
District	Rewa
State	MP
Nearest National/state Highway	Govindgarh – Rewa MDR Road - 4.50 km - NW
Nearest Railway Station	Rewa - 23.75km - NW
Nearest Airport	Churhata Rewa - 23.25km - NW
Nearest Tourist Place	None in 10 km radius
Archaeological Important Place	None in 10 km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None in 10 km radius

Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Govindgarh Reserved Forest
Nearest major city with 100000 population	None within 10km radius
Nearest village	Bilhilihatola - 3.80km - N
Nearest Town	Rewa - 20km - N
Physiography	Hilly
Elevation	647-621m AMSL
Slope	Radial
Nearest River	Son River -9.50 km - SE Bichya nadi -7.15 km - N Banas River - 10.0km - SE
Nearest nalla/ pond/canal	Phapho nala - 5km -S Kataha nala - 4.30km- S Pakariar Nala - 4.15km -N Marhawal Nalla - 5.80km - SSE Canal - 1.50km - S
Nearest hill/valley	Jaliadhar Pahar

**Salient feature of the lease area**

<b>Particulars</b>	<b>Details</b>
Type of Mine	Open Cast
Mining Lease Area	4.90ha
Existing Pits & Quarries	3.55 ha
Existing mineral stack	0.68 ha
Infrastructure and road	0.10ha
Plantation	0.15 ha
Total geological Reserve	1545660mt
Total Movable Reserve	865252 mt
Method of mining	OTFM
Ultimate Depth of Mining	612mRL
Expected Life of Mines	20 years
Stripping Ratio	1:0.15
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	4.50 ha
Area to be reclaimed till conceptual period	4.50ha
Area to be rehabilitated by afforestation in conceptual period	4.90ha
Area to be covered under water reservoir	Nil
Ground water table	

Monsoon period	60m (561 m AMSL)
Dry month	70 m (551 m AMSL)
Production per day (MT) (275 working day)	182
Truck per day (24 MT)	8
Requirement of metal	Aluminum plants and Cement plants
Supply location	All over India

## GEOLOGY OF THE MINE

<b>Geology and deposit appraisal</b>	
Local geology	Bauxite like other high level deposits, occurs in the laterite profile as lenses and as irregular segregations in the blanket of laterite at high altitude. Bauxite has also been encountered at lower level, which may be secondary i.e. either detrital or removed to lower levels by breaking-off of scarp known's as "Scrap retreat" and has been included in the float deposit. The enrichment of alumina at places has given rise to good quality massive Bauxite, the thickness of which exclusively established upto 18m and is in lenticular form.
Lithology	<b>0.0 to 0.50m</b> - Lateritic Soil <b>0.0 to 0.50m</b> - Pilolitic Laterite/ Upper Laterite 12.0 to 18.0m – Upper Aluminous Laterite Bauxite Lower aluminous laterite
Borehole	20m depth
Lease area	4.90ha
Mineable area	4.50ha
Mineral depth	9m bgl (upto 612m AMSL)
AMSL	Max. – 647m and min. - 621m
Height of bench and no of bench	Existing – 1 & 3m and 5 no. Proposed – 1& 6m and 5 no.
Width of bench	Min. 6m
Width of haulage road	10m
Gradient	1:16

## Post land use plan

Items	Existing	At the end of conceptual period
<b>Total lease area</b>	<b>4.90 ha</b>	

Mineable area	4.50 ha	
Ultimate depth of mining	7mbgl (614m AMSL)	9m bgl (612 m AMSL)
Ultimate pit slope	Nil	45 <sup>o</sup>
Area under mineral store	0.68 ha	Nil
Area under pits	3.55 ha	4.50ha
Area to be reclaimed	Nil	4.50 ha
Infrastructure & Road	0.10 ha	Nil
Plantation	0.15ha	4.90ha
Water body	0.50 ha	Nil

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

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

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Transportation plan & traffic management plan should be discussed in the EIA report.
3. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
4. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
5. Compliance of consent conditions of M. P. Pollution control Board from concerned Regional Office.
6. Year wise details of minerals already excavated till date should be submitted with EIA report.
7. Aforestration plan with some species of meditational plants.

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



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

Today this case was again scheduled for 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. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**3. Case No. 2513/2015 Shri Kailash Jain Chouradiya, HIG-11, Deendayalpuram, Civil Lines, Balaghat (M.P.) Environment Clearance for approval of Miragpur Manganese Ore Mine Lease Area - 9.311 ha., Capacity- 400 MTPA at Khasra No. 273/1-8, 274, 275, 276/1, 276/2, 277, Vill.-Miragpur, Th.--Khairlanji, Dist-Balaghat (M.P.) (EIA CONSULTANT: M/s Creative Enviro Services , Bhopal).**

This is a project pertaining to mining of Manganese ore, in MLA of 9.311 ha. The activity is mentioned at S.N. 1 (a) of the Schedule of EIA Notification 2006 as amended from time to time. It was submitted that this is a proposed mine having valid lease up to 2034. Accordingly the mine plan has been approved by IBM. The mine is being proposed with open cast manual method. The proponent wish to production capacity of 400 Tonnes per annum.

Earlier this case was discussed in 59<sup>th</sup> SEAC-II meeting dated 11/11/2016 wherein it was observed that this case was discussed in 191<sup>th</sup> SEAC meeting dated-07/05/2015 wherein it was observed that: "The Open-cast and Mechanized Mining is proposed in the project. Proposed production capacity in the project is 5000 MTPA. After deliberations Committee agreed to issue TOR with inclusion of following points in the EIA / EMP in addition to standard:

- Plan for the waste storage / disposal with details of the height of dumps, their slopes and stabilization.
- Cumulative impacts to be evaluated considering the other operating / proposed mines in the area.
- Appropriate Evacuation plan has to be prepared and presented with road map for transport of the material from the mining site up to the main trunk.
- All environmental monitoring shall be conducted through approved Laboratories.

- EIA shall be prepared only by Accredited Consultants in the field of Mining.”

Today this case was again placed in agenda (59<sup>th</sup> SEAC-II meeting dated-11/11/2016) as PP has submitted the request letter dated-10/10/2016 for amendment in the TOR with respect to capacity for Manganese Ore mine from 5000 TPA to 400 TPA only as Mining plan was approved for only 400 TPA by the IBM. Committee after perusal and discussion recommends amending the capacity in TOR from the 5000TPA to 400 TPA as per the mine plan approved by the IBM. Committee also recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power considering all the existing mines within 500 meters radius.
4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.

PP has submitted the EIA report vide letter dated 19/06/2017, which was forwarded by the SEIAA vide letter no. 847 dated 23/06/2017.

The case was scheduled for presentation in the 297<sup>th</sup> SEAC meeting dated 08.11.2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings 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.

The case was again scheduled for presentation in 300<sup>th</sup> SEAC meeting dated 08.12.2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings 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 again scheduled for presentation in 303<sup>rd</sup> SEAC meeting dated 23.12.2017, but neither the Project Proponent (PP) nor his representative was present to explain the query which

might be raised or to make any commitment which may be desired by the committee during the deliberation. However, PP vide letter dated 21/12/2017 has informed that due to sickness, he is not able to attend the meeting. Committee considering the request decided to call the PP in subsequent meetings of SEAC and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, PP and his consultant presented the salient features of the project, EIA, baseline data and the proposed EMP before the committee.

1. During the PPT, it was reported that the mine is on undulated terrain having 3 mt elevation differences.
2. Mine is surrounded by the agricultural land, habitation (200m) and other leases.
3. Reserve detail has been discussed which is as per the approved mining plan. Geo technical details were also discussed and found satisfactory considering proposed bottom area of the ultimate pit
4. It was reported by PP that no blasting shall be carried out and committee also recommended as one of the condition of environment clearance.
5. As reported that water table is around 33-38 mt BGl and ultimate depth is proposed upto surface level.

The presentation and the submissions made by the PP reveals following:

**Environment setting**

S. No.	Particulars	Details
a)	Locations	
	Village	Miragpur
	Tehsil	Khairlanji
	District	Balaghat
	State	MP
b)	Latitude	21 <sup>0</sup> 37'39.40" to 21 <sup>0</sup> 37'54.20" North
	Longitude	79 <sup>0</sup> 50'14.50" to 79 <sup>0</sup> 50'29.70" East
c)	General ground level	361m – 358m AMSL
d)	Nearest National/state Highway	Hatoda-Katangtola Road -0.80km- NW
e)	Nearest Railway Station	Katangi – 15.75Km-NNW
f)	Nearest Airport	Nagpur - 97 km-SW
g)	Nearest Tourist Place within 10km radius.	None
h)	Archaeological Important Place within 10km radius.	None
i)	Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None
j)	Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Mohanghat RF - 1.00 km – ESE Kapurwihiri RF – 2.50km - SW

		Chikhla RF - 6.80km – NE
k)	Nearest major city with 100000 population within 10 km radius	None
l)	Nearest Town / City within 10km radius	None
m)	Nearest Village	Miragpur - 0.20 km - NW
n)	Nearest River/ Nalla	Bainganga River - 6.75 km -SW Biloni N - 6.75 km - W Canal - 3.0 km - N Village Pond - adjacent - E Village Pond - 0.25 km - E Village Pond - 1.30 km - SES Village Pond - 1.80km - S
o)	Nearest Hill Ranges	None within 10km radius
p)	Other lease area within 500m radius	1. 14.90ha Pandarwani Mn Ore mine, M/s D. P. Rai 2. 4.232ha Pandarwani Mn ore mine, M/s D. P. Rai
q)	Industry within 10km radius	None within 10km radius

It was reported by the PP that:

- The fresh lease was granted for period of 20years from 20.02.2014 to 19.02.2034.
- The lease area comes under Govt. and Pvt. waste land
- four other lease area are located within 500m radius
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur
- The formation is loose and soft hence blasting is not proposed. Excavated ore in benches will be carried out by head load.

**Salient feature of the lease area**

S. No.	Particulars	Details
1	Type of Mine	Opencast
2	Mining Lease Area	9.311ha
3.	Mineable Area	0.43 ha (for float ore working)
4.	Area under existing Pits	0.15ha
5.	Area under existing dump	Nil
6.	Area under Infrastructure	Nil
7.	Area under road	0.008 ha
8.	Area under mineral stack	Nil
9.	Ultimate Pit Slope	45 <sup>0</sup>
10.	Plantation	Nil
11.	Recoverable Reserve	2470 T
12.	Method of mining	Manual
14.	Ultimate Depth of Mining	Upto surface level (358m MSL)

15.	Proposed capacity	400 TPA
16.	Expected Life of Mines	6 Years
17	Lease Period	20 years up to 2034
18	Thickness of soil	
19	Minimum	2.0 m
	Maximum	4.0 m
	Proposed mode to transportation of mineral	Road
20	Area to be covered under dumps in conceptual period	0.12ha
21	Area covered under pit in conceptual period	0.43ha
22	Area to be reclaimed by conceptual period end	Nil
23	Area to be converted as water body	0.43ha
24	Area to be covered under plantation by conceptual period	1.10 ha
25	AMSL	361-358m
26	Ground water table	
	Post Monsoon	33m bgl (325m MSL)
	Pre monsoon	38m bgl (330m MSL)
27	Production per day	1.30 TPD
28	Dumper required	1 no.

### **GEOLOGY OF THE MINE**

The applied area is covered by soil cover. The northern Part of the area has old excavations where manganese ore found as very small pebbles within the weathered matrix which is visible at faces of vertical excavation, bottom of the excavations and within the partially water logged pit. The pebbles are showing semi elliptical shape and two to three faces get rounded. The thickness of mineralization is varying from 1.5m to 3m and this thickness of mineralization is taken from surface RL (northern part) of 361m to pit bottom RL of 358m (northern part).

### **Details of existing pit**

<b>Pit (Quarry )</b>	<b>Size in Meter</b>	<b>Location</b>	<b>Logging</b>
Old Pit -1	100 x12 x1-3 m	Northern	0.00-3 M - Murum Mixed with Mn Ore as pebbles.
Old Pit- 2	25 x12 x1M	Northern	0.00-1.00M - Murum with Weathered Formation.

### **Details of conceptual pit**

<b>Details of pit</b>		<b>Bench</b>	
<b>Existing</b>			

Pit No	Broken area ha	Pit bottom area ha	Surface AMSL	Pit bottom AMSL	Type	Bench no.	Ht	Width	Overall slope
Pit -1	0.12	0.12	361-358m	359m	Float ore zone	B1	1-2m	1m	80 degree
Pit- 2	0.03	0.03	361-359m	359m	Murrum	B1	1m	1m	
<b>Total</b>	<b>0.15</b>	<b>0.15</b>							
Conceptual period									
Pit -1	0.40	0.40	361-358m	358m	Float ore zone	B1	2m	2m	45 degree
Pit- 2	0.03	0.03	361-359m	359m	Murrum	B1	1m	1m	80 degree
<b>Total</b>	<b>0.43</b>	<b>0.43</b>							

### Mining Method

- Opencast manual method is proposed with deployment of hand tools such as spades, hammer, crowbar and chisel on single shift basis.
- The individual bench faces will be kept nearly vertical (80-85 degree) while the pit slope will be less than 45 degree.
- The formation is loose and soft hence blasting is not proposed. Excavated ore in benches will be carried out by head load.
- Uniform one bench of 1.5-2.5m height will be developed. Width of benches will as per DGMS requirements and not less than height where as bench length will be as per production requirements. The average recovery of manganese ore is expected by average 10%.
- The mining operations are proposed at the northern part of the applied area with one development cum production bench of 1.5-2.5m height in float ore zone. The bench advancement will be east west while pit advancement will be towards the south thus during the production phase the RL will reach to 361-358m.
- During five year about 2645 m<sup>2</sup> area will be developed in northern part of the lease area with one bench and advance for first to fifth year will be east and pit advancement will be towards the south.

### Plantation Scheme

Time Bound Plantation Programme		
Year	Area (in sq mt)	Number of Plants
1 <sup>st</sup>	0.25+ 100 m	525 + 80 = 605

	(Road side)	
2 <sup>nd</sup>	0.25	525
3 <sup>rd</sup>	0.25	525
4 <sup>th</sup>	0.25	525
6 <sup>th</sup>	0.10	210
<b>Tot al</b>	<b>1.10ha+100 m (Road side)</b>	<b>2310+80 = 2390</b>

<b>Total Cost (EMP + CSR+ plantation + Monitoring )</b>		
<b>Particular</b>	<b>Amount (Lakh) per annum - Capital</b>	<b>Amount (Lakh) per annum – Recurring</b>
Plantation (Capital cost) within lease area and village road	3.52	-
Maintenance of Plantation (Along the village Road & lease area) @ Rs 45 /- per plant	-	0.27 @ 0.30
<b>Sub Total</b>	<b>3.52</b>	<b>0.30</b>
Roads repair and maintenance (0.01km@2.0 lakh per Km)	-	0.02
<b>Sub Total</b>		<b>0.02</b>
Occupational health and safety exp.	1.0	0.15
<b>Sub Total</b>	<b>1.0</b>	<b>0.15</b>
Post Environmental Monitoring cost	4.0	4.62
<b>Sub Total</b>	<b>4.0</b>	<b>4.62</b>
<b>Total</b>	<b>8.52</b>	<b>5.09</b>
CSR cost	3.0	1.45
<b>Sub Total</b>	<b>3.0</b>	<b>1.45</b>
<b>Grand total</b>	<b>11.52</b>	<b>6.54</b>

After presentation and detail discussion, committee asked PP to submit response on following:

1. Design of proposed settling tank.
2. Revised budgetary provisions incorporating budget for de-silting of settling tank.

PP has submitted the response of above quarries vide letter dated 15.01.2018 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 approval for Miragpur

Manganese ore mine (through float ore working) in an area of 9.311 ha. for 400 MTPA at Khasra no.-273/1-8, 274, 275, 276/1, 276/2, 277, 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 tree falling is proposed during the mining activity.
9. No blasting is permitted as per the plan submitted by PP.
10. 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) including the village side to provide additional protection in one year only. As proposed in the landscape plan & EMP a minimum of 2390 no's of trees will be planted.
11. Transportation of material shall be done in covered vehicles.
12. Transportation of minerals shall not be carried out through forest area.
13. 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.



14. Proposed Garland drains 382m x 1m x 1m , 550m x 1m x 1m, 400m x 1m x 1m, 540m x 1m x 1m shall be connected with 22 settling pits should be provided to avoid silt discharge. One settling tanks (1600 sq mt x 5.0mD) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
15. Water sprinkling through tankers should be provided on water spraying should also be practiced on 100 meters long and width 06 meters wide transport road for dust suppression.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development. Regular de-silting of drains and pits should be carried out.
17. The existing and proposed land use plan of the mine is as follows:

<b>Items</b>	<b>Existing</b>	<b>Conceptual Period</b>
Total lease area	9.311 ha	
Ultimate depth of mining	Surface level	Up to Surface level (358m MSL)
Ultimate pit slope	80 degree	45 degree
Area under dumps	Nil	0.12ha
Area under pits	0.15ha	0.43 ha
Area to be reclaimed	Nil	Nil
Infrastructure & Road	0.0240	0.0240 ha
Mineral storage	Nil	Nil
Plantation	Nil	1.10ha
Water body	0.1ha	0.43ha

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. 8.52 lacks and Rs. 5.09 lacks/year are proposed as recurring expenses out of which Rs. 3.52 lacks is proposed for green belt development and Rs. 0.30 lack /year for recurring expenses for plantation in the proposed EMP of this project.
24. Under CSR activity, Rs. 3.0 lacks are proposed in different activities as capital cost whereas and Rs. 1.45 lacks /year as recurring expenses for 6 years and same should be implemented through respective committees.
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 15/01/2018.
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.

4. **Case No. 5157/16 Shri Abhay Khandelwal, Authorized Signatory, M/s Khandelwal Metal Works, PD-7, Perfect Enclave, Sneh Nagar, Jabalpur (MP). Prior Environment Clearance for Granite Deposit in an area of 24.60 ha. (Production Capacity: Granite-12,393 & Salable Waste Material-46,500 cum/year) at Khasra No. 27, 28, 32, 33, 40, 42/1 at Village-Dataya-Shahgarh, Tehsil-Sagar, District-Sagar (MP). (EIA CONSULTANT: M/s Creative Enviro Services, Bhopal).**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 27, 28, 32, 33, 40, 42/1 at Village-Dataya-Shahgarh, Tehsil-Sagar, District-Sagar (MP) 24.60 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. 12864-66, dated: 29/07/15, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 28.54 ha including this mine.

The case was presented by the PP in the 25<sup>th</sup> SEAC-II meeting Dated 17/05/2016 wherein it was recorded that: It's being a case of minor mineral having cumulative area >25.00 ha, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional officer.
5. The lease is in two parts which is connected by a strip of land. PP should provide in EIA report the availability of mineral in this area and in nearby area.

PP has submitted the EIA report vide letter dated 21/12/2017, which was forwarded by the SEIAA vide letter no.1432 dated 28/12/2017.

P.P and his consultant presented the salient features of the project, EIA, baseline data and the proposed EMP before the committee as follows:

1. During the presentation, it was reported that the mine is on small hillock having 16mt elevation difference.
2. Mine is surrounded by the agricultural land, habitation (250m) and one proposed lease of other lessee of 3.94ha.
3. Reserve detail has been discussed which is as per the approved mining plan. Geo technical details were also discussed and found satisfactory.
4. As reported that water table is around 40-45 mt Bgl and ultimate depth of working is proposed 5 mt bgl, hence water table will not be intersected.
5. PP has proposed to construct retaining wall with garland land all around the down slope of hillock to prevent the silt flow.

**Environment Setting**

S. No.	Particulars	Details
a)	Locations	
b)	Village	Dataya
c)	Tehsil	Shahgarh
d)	District	Sagar
e)	State	MP
f)	Latitude Longitude	24 <sup>0</sup> 19' 35.1" to 24 <sup>0</sup> 19' 59.2" N 78 <sup>0</sup> 58' 08.6" to 78 <sup>0</sup> 58' 31.6" S
g)	Co-ordinate	1. 24 <sup>0</sup> 19' 59.2" - 78 <sup>0</sup> 58' 30.4" 2. 24 <sup>0</sup> 19' 38.4" - 78 <sup>0</sup> 58' 09.4" 3. 24 <sup>0</sup> 19' 45.3" - 78 <sup>0</sup> 58' 25.6" 4. 24 <sup>0</sup> 19' 53.8" - 78 <sup>0</sup> 58' 19.1"
h)	General ground level	371-355 m
i)	Elevation range	Highest - 371 m RL Lowest - 355 m RL
j)	Nearest National/ State Highway	Banda -Shahgarh PWD Road -W -1.80km
k)	Nearest Railway Station	Tikamgarh - 50.00 km
l)	Nearest Airport	Khajuraho - 110.00km
m)	Nearest Tourist Place within 10km radius.	None within 10km radius
n)	Archaeological Important Place within 10km radius.	None within 10km radius
o)	Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None within 10km radius
p)	Nearest hill range within 10km radius	None within 10km radius
q)	Reserved / Protected Forest within 10km radius	Semra RF – 5.15 km – ESE Bagrodha PF – 4.80 km – SSE Dulchipur RF – 7.15 km - SW Girar East RF – 3.15 km – SW Girar West RF – 4.90 km - SW
r)	Nearest major city with 100000 population within 10km radius	None within 10km radius
s)	Nearest Town/City within 10km radius	None within 10km radius
t)	Nearest Village	Amarpura - E – 0.25 km
u)	Nearest River with 10km radius	Dhashan River - W – 1.50 km Bila River - ESE – 7.50 km Silot Nadi - SW - 7.10 km
v)	Nearest Nalla/pond	Bandai Nalla - W - 0.25 Km
w)	Other mines within 500m radius	One
x)	Industry within 10km radius	None

It was reported by the PP that

- It is a fresh lease and granted for period of 30 years from 31.08.2015 to 30.08.2045.
- The lease area is defined as govt. wasteland.
- One other lease area is located within 500m radius.
- The scheme of mining with progressive mine closure plan has been approved by DGM, Bhopal.

**Salient Feature of Granite mining project**

S. No.	Particulars	Details
1	Type of Mine	Open Cast
2	Mining Lease Area	24.60 ha
3.	Mineable Area	21.6225 ha
4.	Existing Pits & Quarries	0.1494 ha
5.	Existing Dumps	Nil
6.	Infrastructure and road	Nil
7.	Mineral Storage	Nil
8.	Plantation	Nil
9.	Total Mineable Reserve	259951 m3
10.	Method of mining	OTFM
11.	Ultimate Depth of Mining	5 mbgl (350 mRL)
12.	Ultimate Pit Slope	45°
13.	Expected Life of Mines	23 years
14.	Lease Period	30 year from 31.08.2015 to 30.08.2045
15.	Thickness of lateritic soil	
16.	Minimum	0.5 m
	Maximum	1.5 m
	Stripping Ratio	1:8.5
17	Mode to transportation	Road
18	Area to be covered under dumps in conceptual period	Nil
19	Area covered under pit in conceptual period	21.6225 ha
20	Area to be reclaimed by conceptual period	7.50 ha
21	Area to be covered under plantation by conceptual period	3.6225+7.50 ha
22	Area to be covered under water reservoir	12.0 ha
23	MSL	Highest -371 m  Lowest – 355 m
24	Ground water table	
	Monsoon period	40m bgl (315mMSL)
	Dry month	45m bgl (310mMSL)
25	Production per day (m3)	42 (for granite) & 155 (for saleable waste)
26	Dumper per day with capacity	7m <sup>3</sup> , 6 for granite and 22 for saleable waste

**Geology of the Mine**

The granite is found below the soil cover and continues for 5-7 m depth. The texture is porphyritic in nature and color is grey to reddish. The mound area has boulders of granite in the south of the quarry lease. There is a small quartz vein intruded in NE-SW direction. The cross joints area is more predominant in eastern part. Following litho sequence is established

TRIAL PITS NO.	SIZE- L x W x D	LOGGING
TP-1	10 x 6 x 2.5 m	Lower part has 0.5 - 1.5 m soil cover then followed by granite
TP-2	12 x 6 x 2.5 m	
TP-3	10 x 7 x 1-2 m	
TP-4	18 x 3-6 x 0.5-1m	
TP-5	5.5 x 3 x 1.5 m	
TP-6	3 x 3 x 3 m	
TP-7	3 x 2 x 2 m	
Old PIT-I	48 x 24 x 1-4 m	

**Plantation Scheme**

Time Bound Plantation Programme		
Year	Area	Number of Plants
1 <sup>st</sup>	3000 sq mt + 250m (Transport road side)	600 + 100 = 700
2 <sup>nd</sup>	3000 sq mt + 250m (Transport road side)	600+100 = 700
3 <sup>rd</sup>	3000 sq mt	600
4 <sup>th</sup>	3000 sq mt	600
5 <sup>th</sup>	3000 sq mt	600
6 <sup>th</sup> to 23 year	21125	4245
6 <sup>th</sup> to CP	Backfilled area – 75000	15000
<b>Total</b>	<b>36225 Sqm+ 250m+75000sqm</b>	<b>7245+200+15000</b>
1 <sup>st</sup> two year period	1600m (Damar Road)	1280

Budget Allocation for Plantation				
S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)
	Within lease area			

1 <sup>st</sup>	Saplings, and other related work	600	250/-	1,50,000/-
2 <sup>nd</sup>	Saplings, and other related work	600	250/-	1,50,000/-
3 <sup>rd</sup>	Saplings, and other related work	600	250/-	1,50,000/-
4 <sup>th</sup>	Saplings, and other related work	600	250/-	1,50,000/-
5 <sup>th</sup>	Saplings, and other related work	600	250/-	1,50,000/-
6 <sup>th</sup> - 23 <sup>rd</sup>	Saplings, and other related work	4250	250/-	10,61,250/-
<b>Sub Total</b>				<b>18,11,250/-</b>
<b>Along the transport road</b>				
1 <sup>st</sup> year	Saplings, with earth work and pesticides and tree guard	740	500/-	3,70,000/-
2 <sup>nd</sup> year	Saplings, with earth work and pesticides and tree guard	740	500/-	3,70,000/-
<b>Sub Total</b>		<b>1480</b>		<b>7,40,000/-</b>
<b>Grand total</b>				<b>25,51,250/-</b>

**Socio-Economic Environment**

Proposed CSR Activities					
SN	Plan	Activity	Place of activity	Budgetary provisions (Rs in lakh)	
				Capital	Recurring
1.	Promotion of quality education	(A) Computer education: providing at least 02 computers in nearby school at Dataya, Jasonda and providing facilities of teacher for computer education and basic education. (B) Providing one room for computer	Nearby Village primary School (02no. each) Computer @ Rs. 25,000 Teacher @ Rs. 10000/month. Need based support for building repairing, toilets, fresh water supply etc through Gram Panchayat / Gram Sabha	1.00 2.00	1.20
2		Provision of scholarship for five girls to higher education @2000 per month per girls		-	1.00
2	Solar light	5 no. of Solar street light provide to nearby villages i.e. Dataya, Jasonda, Amarpura, Amarpura tola	12 months	2.00	0.50
3	Free	Medical Checkup facility, first aid and	Quarterly	-	2.00

	medical camp	other welfare activities for nearby villagers by MBBS Doctor			
4	Drip Irrigation facility at nearby villages	Motivation and financial assistance to the framers of nearby villages for drip irrigation	Yearly	2.00	1.00
5	Vocational training programme	Vocation training will be provided to youth, woman i.e. stitching, motor repairing etc	Yearly	5.00	2.0
6	Sanitation	Toilet facility provide with water tank and its maintenance at nearby villages Dataya, Jasonda, Amarpura, Amarpura tola (Two toilet each for man and women)	Yearly	10.00	2.00
7	Playground	Development of playground at village Dataya	One time	2.50	-
			<b>Total</b>	<b>25.50</b>	<b>9.70</b>

**Expenditure on Environmental monitoring**

S. No.	Head	Approximate Capital cost (Rs. In lacs)	Basis	Approximate recurring cost per annum (Rs. in lacs)	Basis
1	Air pollution monitoring	3.0	Cost includes water spraying arrangement	2.20 (Rs 4500/- per sample)	Expected cost includes regular monitoring by approved third party
2	Water pollution monitoring	2.0	Include cost of septic tank, garland drain, Settling tanks	2.00 Rs 3500/- per sample for G/w, S/w, M/D etc)	Expected cost includes regular monitoring by approved third party
3	Noise pollution monitoring	Nil	-	0.10	Expected cost includes regular monitoring by approved third party
4	Solid and hazardous waste management	1.0	Capital cost	0.25	Expected cost of cleaning and maintenance
5	Environmental Monitoring and management	1.5	-	1.50	Recurring cost would incur on hiring of consultants for environmental



					management
6	De-siltation of pit and ST	-	-	1.0 (0.25 per quarter)	Quarterly basis
	<b>Total</b>	<b>7.50</b>		<b>7.05</b>	

**Expenditure on Environmental Management Plan**

<b>Budget For Occupational Health And Safety Of The Workers (In Lakhs)</b>		
<b>Items</b>	<b>Capital Cost</b>	<b>Recurring cost</b>
Personal Protective Equipments (Mask, Gloves, Goggles) @35 workers	2.00	0.50
Medical Checkup facility, first aid and other welfare activities @35 workers	1.50	0.50
<b>Total</b>	<b>3.50</b>	<b>1.00</b>

<b>Particular</b>	<b>Total Cost</b>	
	<b>Capital</b>	<b>Recurring</b>
Dust Suppression through tanker over 250m road * 5.0m (15 Rs/km inclusive diesel exp, driver exp and maintenance) Approx running per day 13.5km @300 day (over road) = 4050 km @15	-	0.60
Dust Suppression through tanker over 0.700 km road * 5.0m (20Rs/km) Approx running per day 31.5km@300 day = 9450km@20	-	1.89 says 2.0
<b>Sub- Total</b>		<b>2.60</b>
Plantation (Capital cost) Along the village Road	7.40	-
Maintenance of Plantation (Along the village Road & lease area) @ Rs 45/- per plant	-	1.0
Plantation (Capital cost) within lease area	18.11	
<b>Sub- Total</b>	<b>25.51</b>	<b>1.00</b>
Roads repair and maintenance (0.250km@2.0 lakh per Km)	-	0.50
Mines to PWD Roads repair and maintenance (1.60km@3.0 lakh per Km)	10.00	4.80
<b>Sub- Total</b>	<b>10.00</b>	<b>5.30</b>
Occupational health and safety exp.	3.50	1.00
<b>Total</b>	<b>3.50</b>	<b>1.00</b>
Environmental Monitoring cost	7.70	7.80
<b>Sub- Total</b>	<b>7.70</b>	<b>7.80</b>
Fencing around the lease periphery 3377m@300/-	10.13	1.70
<b>Sub- Total</b>	<b>10.13</b>	<b>1.70</b>
<b>Total</b>	<b>56.84</b>	<b>19.40</b>
CSR cost	26.50	9.70
<b>Sub- Total</b>	<b>26.50</b>	<b>9.70</b>
PH issue		

Drinking water supply at village	2.50	0.50
Retaining wall along the lease boundary towards	5.00	1.00
Sub total	7.50	1.50
<b>Grand Total</b>	<b>90.84</b>	<b>30.60</b>

After detail discussion, committee asked PP to submit response on following:

1. Photographs of the lease area showing the boundary pillars with location.
2. Line diagramme of water supply to wire saw for its recycling.
3. Commitment for provision of over head sprinkler arrangement and provision of budget for the same.
4. Revised EMP budget incorporating the budgetary provisions for over head sprinkler arrangement and de-silting of settling tank.
5. Affidavit of PP that no private land is involved in this project.

PP has submitted the response of above quarries vide letter dated 15.01.2018 which was placed before the committee and the same found satisfactory. The EIA/EMP 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 for Granite mining in an area of 24.60 ha (Granite 12,393 m<sup>3</sup>/year and Salable waste material – 45,900 m<sup>3</sup>/year as per approved mine plan) at Khasra No. Part of 27, 28, 32, 33, 40, 42/1 at Village –Dataya Teh-Shahgarh, Distt-Sagar- (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. Uprooting of seventeen trees is proposed thus 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. Blasting shall be carried out as per the approved mine plan to fracture the Granite block only as submissions made by the PP during presentation.
9. Retaining wall along with drain shall be provided all around the down side of the hillock
10. No slurry should be deposited outside the lease area and settled sludge should be backfilled.
11. Settling tank cleaning operations should be taken up on bi-monthly basis to prevent settling of silt in the tanks/chambers and related record shall be maintained in log book.
12. Over head water sprinkling system shall be provided to the transport vehicle which will carry the saleable waste material.
13. 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 7445 no's of trees will be planted along and within the ML. If backfilling will be done over 7.50 ha of area, additional plantation of 15,000 nos shall also be carried out over backfilled area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Transportation of material shall be done in covered vehicles.
15. Transportation of minerals shall not be carried out through forest area.
16. 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.
17. PP shall explore the possibility to sale the waste material generated as OB, to avoid any external dumping.
18. Garland drains 400.0 X 0.50 X 1.00, 741.0 X 0.50 X 1.00, 700.0 X 0.50 X 1.00, 730.0 X 0.50 X 1.00, 700.0 X 0.50 X 1.00 and 22 settling pits should be provided to avoid silt discharge. Three settling tanks (1.10ha X 5m and, 0.77ha X5m & 0.11ha X 5m) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
19. Water sprinkling through tankers should be provided on 500 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 250 meters long and width 06 meters wide transport road for dust suppression.
20. 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.
21. The existing and proposed land use plan of the mine is as follows:

Items	Existing	At the end of conceptual period
Total lease area	24.60 ha	
Total minable reserve	259951 cum	
Ultimate depth of mining	4m	5m bgl (350 mRL)
Area under dumps	Nil	Nil
Area under pits	0.1494ha	21.6225ha
Afforestation	Nil	3.6225ha + 7.50ha
Road	Nil	0.2ha
Infrastructure	Nil	Nil
Area fully rehabilitated through water body	0.10 ha	12.0ha

22. Any change in conceptual land use shall be intimated to SEIAA.
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. 56.84 lacks and Rs. 19.40 lacks /year are proposed as recurring expenses out of which Rs. 25.51 lacks is proposed for green belt development inclusive of green belt along transport road and Rs. 1.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
29. Under CSR activity, Rs. 26.50 lacks and Rs. 9.70 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.

30. The adequate budget shall be provided for the PH issue i.e. water supply to the villagers and protection measures like construction of retaining wall etc.
  31. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
  32. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
  33. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  34. PP will comply with all the commitments made vide letter dated 15.01.2018.
  35. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
5. **Case No. - 5618/2017 M/s V.S.Minerals, 1st floor, Near of Guru Nanak Dharamkanta, NH - 7, Bargawan, Dist. Katni, MP – 483501 Prior Environment Clearance for Limestone & Dolomite Mine in an area of 10.21 Ha. (Expansion from 5000 TPA to - 26,502 TPA Limestone and 24,499 TPA Dolomite) (Khasra no. 276, 274, 262, 263, 260, 244, 278, 261) at Village- Sejha, Tehsil - Badwara, Dist. Katni (MP)**

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 276, 274, 262, 263, 260, 244, 278, 261)) at Village- Sejha, Tehsil - Badwara, Dist. Katni (MP) 10.21 Ha. The project requires prior EC before commencement of any activity at site. PP has submitted ToR application forwarded by the SEIAA vide letter no. 1360 dated 15/12/2017.

The case was scheduled for the presentation 302<sup>nd</sup> SEAC meeting dated 22.12.2017 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 even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

S. no.	Particular	Details
1	Name of the project & its location	10.21 ha Sejha Limestone & Dolomite Mine, Khasara No. : 273/1 to 8, 274, 275, 276/1, 276/2, 277, 278, 279, 281/1, 281/2, 284/1 to 18, 286/1 to 11 Village- Miragpur, Tehsil: Khairlanjhi, District: Balaghat (MP)
2	Name of the Company, Address Tele No. & E-mail	Shri Kailash Jain Chouradiya HIG-11, Deendayalpuram, Civil Line, Balaghat (MP)
3	Latitude and Longitude of the project	21 <sup>o</sup> 37'39.40" to 21 <sup>o</sup> 37'54.20" North and 79 <sup>o</sup> 50'14.50" to 79 <sup>o</sup> 50'29.70" 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	New mine, area – 9.311ha, Govt. and Pvt. land connectivity- Miragpur- Khairlanji
6	Whether the project is in the Critically Polluted Area (CPA):	No
7	Cost of the project	50.0 lakh
8	Employment generated/to be generated	11
9	Benefits of the project:	Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from 5000 T to Limestone- 26502 TPA and Dolomite- 24499 TPA ii What is the 10% of expansion	New
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	Yes
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	Awaited
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)	302 dated 23.12.2017
16	Type of Mine: (Open cast/Underground/mixed):	Opencast
17	Capacity of the mine applied for	Limestone- 26502 TPA and Dolomite- 24499 TPA
18	ML Area i. As per block allotment ii. As per approved mine plan	10.21ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan approval date – 11/8/2017 & 28/03/17

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	Yes Local nalla - 0.25km - W

It being a case of major minerals committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. During monitoring activities, appropriate photographs with date should be taken by and submitted along with the EIA Report. All the photographs should be site specific w.r.t time, date, co-ordinates etc.
2. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer.
3. Top soil management plan be discussed in the EIA report.
4. Ground water recharge study of the nearby area be carried out by the PP and same should be discussed in the EIA report.
5. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
6. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
7. Any alternate route avoiding the nearby habitations (if any).
8. Land use plan should be plotted on the map.
9. Detailed inventory of existing plantation with photographs.
10. Details of existing garland drain and settling tank with photographs and dimensions to be submitted with EIA report.
11. There is a water reservoir nearby the lease area, PP submitted that they have already obtained permission from the irrigation department which should be submitted with the EIA report.
12. 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.

13. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
14. 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.
15. 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.
16. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

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

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

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

Today this case was again scheduled for 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. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**7. Case No. - 5608/2017 M/s Helios Lifesciences Limited, 79 & 100, Industrial Growth Center, Malanpur, (M.P.) Prior Environment Clearance for Manufacturing Unit for Bulk Drugs and Intermediates at Malanpur Industrial Growth Center, Tehsil - Gohad,**



**Dist. Bhind, (M.P.) Reference No. for online tracking of project details-SIA/MP/IND/20973/2017.**

The project is covered under the provisions of EIA Notification as item no. 5(f); hence it requires prior EC before commencement of 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 site. The case was forwarded by SEIAA to SEAC vide letter no. 1230 dtd 30/11/17 rec at SEAC on dated 05/12/17.

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

It is a multi-product manufacturing site engaged in manufacturing of new generation Oncology bulk drugs. These products are manufactured in campaigns through multi-step organic synthesis using batch processes. The product portfolio is a mix of high volume, low value and low volume, high value products.

The present proposal is for setting up a 711.1 Kg per month for Manufacturing of The proposal is for bulk drugs and Intermediates with an estimated cost Rs. 556.15 lacs. PP and their consultant presented the case for ToR before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

**Salient of the project**

Project Proponent	M/s Helios Life sciences Ltd plot no. 79 & 100 Industrial Area, Malanpur, Taluka Gohad, District Bhind (MP)
Project Name	Manufacturing of The proposal is for bulk drugs and Intermediates (Contract Research and Onchology Bulk Drug Manufacturing Services (CRAMS) Unit)
Estimated Project Cost	Rs. 556.15 lacs
Land	19,789.15 sq m
Greenbelt Development	7915.66
Total Water Consumption	12 KL

Source of Water Supply	AKVN
Waste Water Generation	5.50 KLD
Treatment Facility	ETP with RO & MEE
Source of power supply	Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Ltd. (MPPKVVCL)
Power Requirement	During operation phase : 100 KVA DG Set for power back up: : 250 KVA
Fuel Options	Pet coke/Coal/bio fuel
Major Equipments	Reactor Vessels, MEE, ETP Scrubber, RO etc
Level of particulate Matter after APC	Less than 50 mr per cum
Cost of Pollution Control Equipments	100 Lacs
Number of employment generation	50-60 number
Fund for CSR activities	As per Guideline

**Land break up:**

<b>Land Use Pattern</b>		
<b>S. no</b>	<b>Area</b>	<b>Total Area (Sq.Mtr)</b>
1	Total Plot Area	19789.15
2	Total Built up Area	6333.81
3	Green Area/Plantation Area	7915.66

**Environmental Setting of Project**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
1	Co-ordinates	1. 26°21'3.18"N - 78°17'38.63"E 2. 26°21'1.52"N - 78°17'42.45"E 3. 26°21'5.85"N - 78°17'44.58"E 4. 26°21'7.49"N - 78°17'40.93"E
2	Height above mean sea level	171-172m
3	Nearest Town	Malanpur - 1 km - W
4	Nearest Railway Station	Malanpur Railway Station, - 5.75 km - W
5	Nearest Airport	Gwalior – 10.50km
6	Nearest Highway/Road	NH-92 (New NH719) – 0.50km- W
7	Hills/Valley	None within 10km radius
8	Ecological Sensitive Zone	None within 10km radius
9	Reserve Forest	Mawai RF - 2.25km- WWS
10	Historical Place	Shanichar Temple- 9.0km - W
11	Nearest River/ Nalla	Sukh River – 1.0km ESE

		Morar River – 2.0km – ESE Vaisali River – 8.0km – E Nalla – 0.60km – SE Mau Canal – 4.0km - ENE
12	Surrounding Features	N- Other Industry S- Road W- Road E - Road

The case was presented by the PP and their consultant. After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR:

1. PP should provide entire product mix in the EIA report.
2. Worst case scenario w.r.t. waste water and hazardous waste should be submitted.
3. Details of solvents and their recovery plan should be discussed in the EIA report.
4. VOC should be monitored in the AAQ.
5. All MSDS should be provided with the EIA report.
6. Industry has to comply with zero discharge for which necessary details should be provided in the EIA report.
7. 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.
8. 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.
9. Inventory of existing and proposed machinery and if any existing machinery proposed to be used same shall be presented in the EIA report.
10. PP should explore possibility of using Biofuel based technology in boilers.
11. 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.
12. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
13. 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.
14. 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.
15. The EIA report should be prepared by the accredited consultant having no conflict of

interest with any committee processing the case.

8. **Case No.-5470/2016 M/s Vacmet India Ltd, 4/117 - 2A, Anant Plaza, Civil Lines, Church Road, Agra, UP Prior Environment Clearance for Proposed Manufacturing of Polyester Resin - Polyethylene Terephthalate (PET) Chips- 99000 MTPA and installation of HTM heater (Pet coke as fuel) 13.5 Million KCAL at Village - Ujjaini, P.O. Digthan, Tehsil & District - Dhar MP (EIA Consultant: Anacon Labs, Nagpur.)**

## PROJECT PROPOSAL

The project proposal is to set up manufacturing of Polyester Resin - Polyethylene Terephthalate (PET) Chips- 99000 MTPA and installation of HTM heater (Pet coke as fuel) 13.5 Million KCAL at Village - Ujjaini, P.O. - Digthan, Tehsil & District - Dhar (M.P.) (Cat. – 5 (f) Project).

### Project Location

<u>Project</u>	<u>M/s Vacmet India Limited</u>
Topo sheet No.	46 N/6, 46 N/7, 46 N/10
Geo-coordinates	Latitude:22°29'27.68" to 22°40'06.04" N Longitude:75°20'39.48" to 75°32'15.58" E
Land Available with Plot No.	Allotted area by AKVN for proposed project: 263992.93 sq.m. (65.64 acres) Location: Plot No. 1, New Industrial Area Ujjaini (MPAKVN), Lebad-Manpur Road
Village	Village Ujjaini, P.O. Digthan
Tehsil	Dhar
District	Dhar
State	Madhya Pradesh
Pin Code	454773
Land Form, land Use and Ownership	The project area falls under Notified Industrial Zone

<u>Particulars</u>	<u>Description</u>
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Cost of Project	110 crore – PET chips plant Total estimated cost of complete project is 1580 crore for all three phases.
Total Area	263992.93 sq.m. (65.64 acres)
Water Requirement and source	Total Water Requirement - 1560 KLD Daily water requirement after recycle – 1416 m <sup>3</sup> /day Source: Madhya Pradesh Audyogik Kendra Vikas Nigam (Indore)
Power Requirement	Electric Power per 1000 Kg of chips from CP – 45 KW Electric Power per 1000 Kg of chips from BP – 80 KW DG set: 1650 KVA DG set: 2500 KVA will be available in standby mode
Manpower Requirement	600
Number of Shift	Three Shift Basis ( Round the clock)
No. of Working Days	365 Days

The case was presented by the PP and their consultant in the 285<sup>th</sup> SEAC meeting dated 26/12/2016 wherein during presentation PP informed that they have obtained the CTE for those products which does not falls under the purview of EIA notification and have started construction. PP has further submitted that EC is sought for pet chip plant and they have started collecting the data from November, 2016. After presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's:-

1. PP should explore the possibility of reducing water demand and measures should be discussed in the EIA report.
2. Submit the certificate of competent authority verifying the distance of protected area/Eco-sensitive zone.
3. It should be a “Zero Discharge Unit”, thus proposed measures should be discussed in the EIA report.

4. Detailed green belt plan with area, name of species and their number should be provided in EIA report.
5. Any area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.
6. TDS concentration should be studied “stream by stream”, and same should be discussed in the EIA report.
7. Public hearing should be conducted as per the provisions laid down in the EIA Notification, 2006.

PP has submitted the EIA report vide letter dated 28/10/2017, which was forwarded by the SEIAA vide letter no. 1103 dated 08/11/2017.

The EIA was presented by the PP and their consultant in the 298<sup>th</sup> SEAC Meeting Dated 17/11/2017 wherein following details of the project were submitted by them:

1.	Name of the project & its location:	Proposed Manufacturing of Polyester Resin-Polyethylene Terephthalate (PET) Chips - 99000 MTPA and installation of HTM heater (Pet coke as fuel) 13.5 Million KCAL Plot No. 1, New Industrial Area Ujjaini (MPAKVN), Lebad-Manpur Road, Village Ujjaini, P.O. Dighan, Tehsil, Dhar, District Dhar (MP), Pin Code – 454773
2.	Name of the Company, Address  Tele No. & E-mail :	<b>M/s Vacmet India Limited</b> Plot No. 1, New Industrial Area Ujjaini (MPAKVN), Lebad-Manpur Road, Village Ujjaini, P.O. Dighan, Tehsil, Dhar, District Dhar (MP), Pin Code – 454773 0562-4050404, Mobile -9927557670 <a href="mailto:p.agarwal@vpiplmail.co.in">p.agarwal@vpiplmail.co.in</a> , <a href="mailto:vacmetindore@vpiplmail.co.in">vacmetindore@vpiplmail.co.in</a>
3.	Latitude and Longitude of the project.	Latitude: 22°29'27.68" to 22°40'06.04" N, longitude: 75°20'39.48" to 75°32'15.58" E within industrial area
4.	If a Joint venture, the names & addresses of the JV partners including their share.	No
5.	Project brief: nature of	New Project, the proposed project is 263992.93

	proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	m <sup>2</sup> (65.64 acres), The site is well connected with Road/Rail. The details are as follows: ✓ Nearest Road: Lebad-Dhar By pass road ~6.0 Km, NNW ✓ Nearest airport- Devi Ahilyabai Holkar (Indore) Airport ~40.43 Km, ENE
6.	Cost of the project.	The project cost is estimated to be Rs. 110 Crore.
7.	Whether the project is in Critically Polluted area.	No
8.	If the project is for EC under EIA Notification, 2006	Yes, As per EIA Notification the project is categorized in 5 (f) for production of Polyethylene Terephthalate (PET) Resin with capacity of 99,000 Metric Ton /Annum and installation of HTM heater PET coke based 13.5 Million KCAL.
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	i) 19 <sup>th</sup> January 2017 ii) 30 <sup>th</sup> August 2017, near proposed site (AKVN Building) iii) In EIA report
b)	Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.	Not applicable
9.	If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	Not applicable. The project area falls under Notified Industrial Zone
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.	Nil, DFO letter will be submitted during presentation

11.	Waste Management	
i.	Water requirement, source, status of clearance	<ul style="list-style-type: none"> <li>• ~ 1008 KLD water will be required for plant activities. Total water after DMF treatment will be 880 KLD. Water received as co product during resin production =30 KLD hence daily fresh water intake will be <math>1008 - 205 - 30^* = 773</math> KLD.</li> <li>• Water will be sourced from Madhya Pradesh Audyogik Kendra Vikas Nigam (Indore) through pipeline network</li> </ul>
ii.	Waste water quantity, treatment capacity, detail	<p>The domestic wastewater generation will be expected to be 32 KLD. The generated domestic wastewater will be treated in STP (capacity 40 KLD) and used for plantation/gardening/toilet flushing.</p> <p>Total quantity of wastewater in the form of rejects from various treatment systems will be (278 KLD). These rejects will be collected and treated in RO, 54 KLD will be use in gardening purpose in the premises whereas 205 will be reuse in the process and rest of the 19 KLD having high TDS water will be evaporated in spray drier and cakes will be disposed of at TSDF.</p> <p>205 KLD water will be recycle in the process and 803 (730+54 +19) KLD will loss through evaporation through manufacturing process + plantation and + evaporation via spray drier respectively hence daily water intake will be <math>1008 - 205 = 803</math> KLD. No liquid waste will be discharged to any drains. The company will be following zero discharge norms.</p>
iii.	Recycling / reuse of treated water and disposal	880 KLD treated water is available for various purposes. 120 KLD treated water will be us for various process (CP + Film plant), 60 KLD each and out of this 60 KLD Evaporation losses and whereas 60 KLD wastewater is generated. 40



		<p>KLD treated water will be require for the domestic purposes out of this 8 KLD loss by the evaporation and 32 KLD wastewater (sewage) will generate. Similarly 720 KLD water will be require for the cooling purposes out of this 662 KLD water will be loss by evaporation and 58 KLD wastewater will be generate. Total 730 KLD water will be loss by the evaporation through various activities and 278 KLD wastewater will be generate out of this 246 will be wastewater whereas 32 will be sewage. 278 KLD wastewater having TDS of 1500 mg/L will be use for the gardening purpose in the premises. 205 KLD water will be recycle in the process and 803 (730+54 +19) KLD will loss through evaporation through manufacturing process + plantation and + evaporation via spray drier respectively hence daily fresh water intake will be <math>1008 - 205 = 803</math> KLD.</p> <p>Water received as co product during resin production =30 KLD hence daily fresh water intake will be <math>1008 - 205 - 30 = 773</math> KLD.</p>
iv.	Solid Waste Management	<p>1.5 Mt/Year Approx. solid waste and Used oil – 1000 Ltrs /Year will be generated from the plant</p> <p>The waste generated will be collected, segregated for organics and inorganics. The organic waste will be sent for composting and inorganic wastes will be given to the authorized recycler.</p>
v.	Hazardous Waste Management	<p>There will not be hazardous waste generation from the pollution control facilities. The waste oil will be sold to recycler/ reprocessors registered with CPCB whereas the others will be disposed off at common TSDF (M.P. waste management project) Pithampur.</p>
12.	Other details	
i.	Noise Modeling with noise control measures for airports	Noise modeling done for this project

ii.	Details of water bodies, impact on drainage if any	Chambal River ~8.4 Km -E, Dangul Nadi ~3.2 Km -E, Khunikhal Nadi ~7.2 Km -E , Mohani Nadi ~3.2 Km -NNE, Bageri Nadi ~5.9 Km -W from project site
iii.	Details of tree cutting	M/s Vacmet India Ltd. is within the industrial area of Ujjaini and will not involve destruction of any forest land, no tree cutting will involve during the construction phase.
iv.	Energy conservation measures with estimated saving	With the replacement of chilled water load to closed loop cooling towers, installing vapor absorption machines in waste heat and also from Column water vapors from Resin, replacing conventional lights with LEDs and by providing VFDs to various motors, we will able to save about 720000 of electricity units per year.
v.	Green belt development (20 % of construction projects and 33 % for others)	The total plot area will be 263992.93 sq.m. and green belt will be developed in 79997.85 sq.m. Total 12800 sapling (@ 1600/Ha) will be planted within 79997.85 sq.m (8 Ha) area covering 30% of the plant premises.
vi.	Parking requirement with provision made	Sufficient parking space available within plant for ultimate capacity
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	Not applicable

	will reach ambient parameters 9 (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information :	
15.	Other	
i.	Investment/Cost of the project is Rs (in crore).	The project cost is estimated to be Rs. 110 Crore.
ii.	Employment potential	The proposed industry will be providing employment to about 600 people directly and indirectly.
iii.	Benefits of the project	<p>Vacmet has producing polymer and BOPP (Biaxially Oriented Polypropylene) film since 1993. The company exports these films to about 80 countries. Such type of company when enter in the area people will definitely benefited directly or indirectly from their activities.</p> <p>There is a huge demand of the proposed products in the export market. Our products are widely used and are in demand in the Polymer industry.</p> <p>This project being export oriented the capital investments towards building, plant and machinery and other utilities will add to national exchequer and revenue generation in terms of FOREX.</p>
16.	Date of Ground water clearance:	Not applicable, Source of water: Madhya Pradesh Audyogik Kendra Vikas Nigam(Indore) through pipeline network
17.	Date of mine closure approval	Not applicable,
18.	Numbers of plantation proposed & area allocated for plantation with budgetary provisions.	<p>The total plot area will be 263992.93 sq.m. and green belt will be developed in 79997.85 sq.m.</p> <p>Total 12800 sapling (@ 1600/Ha) will be planted within 79997.85 sq.m (8 Ha) area covering 30% of the plant premises.</p> <p>With budgetary provision in EMP will be 1.0</p>

		crores towards capital cost and 0.25 crores recurring for plantation.
19.	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	Not applicable,

### Source of Water Supply and Requirement

Water will be sourced from Madhya Pradesh Audyogik Kendra Vikas Nigam (Indore) through pipeline network. ~ 1008 KLD water will be required for plant activities. Total water after DMF treatment will be 880 KLD.

### Domestic waste

The domestic wastewater generation will be expected to be 32 KLD. The generated domestic wastewater will be treated in STP (capacity 40 KLD) and used for plantation/gardening.

### Industrial Wastewater

Total quantity of wastewater in the form of rejects from various treatment systems will be (278 KLD). These rejects will be collected and treated in RO, 54 KLD will be use in gardening purpose in the premises whereas 205 will be reuse in the process and rest of the 19 KLD having high TDS water will be evaporated in spray drier and cakes will be disposed of at TSDF. 205 KLD water will be recycle in the process and 803 (730+54 +19) KLD will loss through evaporation through manufacturing process + plantation and + evaporation via spray drier respectively hence daily water intake will be  $1008 - 205 = 803$  KLD. No liquid waste will be discharged to any drains. The company will be followed zero discharge norms.

### Solid/Hazardous Waste Management

The solid waste generated from the plant will be polyester waste during the manufacturing of film. It will be sent to recycling unit and reused again. The waste from the recycling unit will be used widely for making polyester yarn, toys and molding process for making various items, so the polyester waste will be sold to the manufacturing of yarn and toys etc.

1.5 Mt/Year Approx. solid wastes and used oil – 1000 Ltrs /Year will be generated from the plant

During presentation it was submitted by the PP that this proposal is only for the EC of producing Polyethylene Terephthalate (PET) Resin with capacity of 99000 Metric Ton /Annum and installation of HTM heater PET coke based 13.5 Million KCAL. Company further submitted that (earlier vide letter dated 26/12/2016) for three of their products which does not attracts EIA notification, 2006 they have started the construction activities after obtaining CTE from the M. P. Pollution Control Board.

During presentation it was observed by the committee that the entire surrounding area of the project site is water scare thus PP should take all possible steps to conserve water and zero discharge condition should be maintained. It was further observed by the committee that the monitoring value of PM10 at project site is very high (120.4  $\mu\text{g}/\text{m}^3$ ) during study period for which consultant informed that at the time of monitoring the site preparation work and road construction (which was kachha) was undergoing and same resulted in the higher values of PM10 which can be further confirmed by the results of adjoining monitoring locations where the values were well within the limits. Since very high values of PM10 were recorded on the project site committee recommends that two on-line continuous ambient air quality monitoring stations on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations and data should also be displayed on the main entry gate of the facility. The ambient air quality shall also be monitored in and around the facility area and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB.

During discussion it was observed that PP has not mentioned the dimensions of all the units of ETP for which PP submitted that they are having the dimensions and same will be submitted after presentation along with the MSDS and hazardous waste details. It was also discussed during presentation that the total volume of waste water is 148 KLD while the proposed ETP is only for 65 KLD for which PP submitted that the ETP will be established in phases as they will install the Polyethylene Terephthalate (PET) Resin plant in phases and as and when the proposed ETP capacity is exhausted, another unit will be established for treating additional waste water. Committee asked PP to submit these details in writing for which PP informed that same will be submitted after their presentation as they are having all these details with them in soft form and same will be printed and submitted. During presentation, it was suggested by the committee that ash should not be disposed off

through brick manufacturers and same should be disposed off through cement mill and be transported through bulkers/closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently. During presentation PP informed that they are operating same nature of unit in India and thus have sufficient knowhow to operate such unit complying environmental laws. PP further submitted that they are submitting following commitments for environmental safeguard via an affidavit dated 16/11/2017:

1. Zero discharge condition will be maintained and no effluent will be discharged outside of the premises.
2. Ash will be disposed off through cement mill and same will be transported in bulkers.
3. Solar Powered LED will be provided in the internal roads and parking areas.
4. Spent EG and over sized/ under sized chips/polymer lumps will be reused back in the process or recycled.

After presentation, PP was asked to submit response on following:

1. Complete details of hazardous waste generated and their mode of disposal.
2. MSDS of all the chemicals should be submitted and same should also be displayed on all suitable locations.
3. Revised plantation species as suggested by the committee during presentation.
4. Revised EMP adding the cost of hazardous waste management.
5. Details dimensions of all the units of ETP.
6. Justification of proposing only 65 KLD ETP as the total waste water is 148 KLD.
7. Justification regarding vary high values considered in the design parameters of STP.
8. Environmental Policy of the company with its organization structure.
9. Revised CSR adding the cast of commitments made in the public hearing.

PP has submitted the reply of above queries vide letter dated 17/11/2017 which was placed before the committee. The presentation and query reply made by PP was found adequate and satisfactory with the EIA/EMP hence committee decided to recommend the case for grant of prior EC for Manufacturing of Polyester Resin Chips (Polyethylene Terephthalate - PET) – 99,000 MTPA and installation of HTM heater (Pet coke as fuel) - 13.5 Million KCAL at Plot No. 1, New Industrial Area Ujjaini (MPAKVN), Lebad-Manpur Road, Village Ujjaini, P.O. Digthan, Tehsil, Dhar, District Dhar (MP) with conditions as recommended by the committee.

SEIAA has forwarded this case vide letter no. 1410 dtd 21.12.2017 to SEAC stating that the case was discussed in 460<sup>th</sup> SEIAA meeting dtd. 12.12.2017 and it was recorded that:-

*“PP was called for presentation and during presentation PP hs submitted that the water requirement of the project is 1008 KLD for all phases of the project & accordingly the waste water generation shall be as follows:-*

<b>Project Implementation</b>	<b>Waste Water Generation KLD</b>
Phase-I	65
Phase-II	65
Phase-III	48
Total Ultimate Capacity 2022	178

*ETP capacity will be enhanced in phase’s manner as per waste water generation however in 298<sup>th</sup> SEAC meeting dtd. 17/11/17 the case was recommended for EC by including the condition “The waste water should be treated in ETP of 65 KLD and domestic effluent should be treated in FAB based STP of 40 KLD and treated waste water should be used in green belt and toilet flushing through dual plumbing system”. As per above, some discrepancies were observed in data presented by PP in SEIAA and SEAC regarding water balance hence, authority decided to send the case file to SEAC.*

As per the above minutes of SEIAA, PP vide letter dtd. 29/12/17 has submitted the reply of above query which was forwarded by SEIAA vide letter dtd 1456 dtd 04.01.2018 which is being placed before the committee for examination.

The case was presented by the PP and their consultant wherein committee asked PP why there was discrepancies in the data presented before the SEAC and SEIAA for which PP submitted that they are extremely apologize for the discrepancy during data presentation before SEIAA and SEAC and the data should have been submitted with more clarity and regret for the inconvenience caused due to this reason.

PP further submitted that for above discrepancy, they have submitted a detailed reply vide letter dated 29/12/2017 and informed to the committee that:

- (A) Earlier during the appraisal of our case in SEAC 298<sup>th</sup> Meeting Dated 17.11.2017 ETP of 65 KLD was proposed only because expansion is scheduled in phased manner. The balance ETPs of capacity 65 KLD & 48 KLD (total installed capacity of 178 KLD) were proposed to be installed by the year 2022 by the time expects to achieve full utilization of installed capacities of different products. The above

figure of waste water capacity for treatment was arrived considering the concentration of TDS to 300/mg liter based on the actual report of the intake water analysis of MPAKVN Indore.

- (B) However, in the EIA report submitted by us the total waste water generation was estimated at 278 KLD. This includes 32 KLD receiving from STP. This 278 KLD was arrived considering the inlet concentration of TDS 800/ mg/ ltr. The water balance of 278 KLD is attached as Annexure – C with the reply submitted vide letter dated 29/12/2017.
- (C) Now, seeking the query raised by SEIAA & the presentation in SEAC, we have discussed the entire issue at length with our Management and EIA Consultant & decided that we should develop the waste water treatment facility for 278 KLD in phased manner as projected in the EIA report in following phases:

	<b>Waste Water Generation</b>	<b>Sewage Generation</b>
a) <b>Phase-1</b>	65 KLD	10 KLD
b) <b>Phase-2</b>	65 KLD	10 KLD
c) <b>Phase-3</b>	<u>116 KLD</u>	<u>12 KLD</u>
<b>Total</b>	<u>246 KLD</u>	<u>32 KLD</u>

- (D) Thus total waste water generation shall be 278 KLD after completion of all the three phases by the year 2022. An affidavit confirming above is also attached as Annexure – D and the proposed details for ETP in phases, as described above, are attached as Annexure– E with the reply submitted vide letter dated 29/12/2017. The ETP requirement for phase II shall remain same for 65 KLD as shown in annexure E. So far as phase III is concerned, the ETP shall be designed for 116 KLD. However earlier, we would also like to bring to your kind notice that we have attached an affidavit for the above and to be a zero discharge Unit.

PP further submitted that above proposal is as per the findings of the EIA report and they will comply with all the commitments made by them. After deliberation, committee recommends that since PP has make an apology for the discrepancy made in data during presentation before SEIAA and SEAC hence now as per the revised proposal submitted by PP vide letter dated 29/12/2017, the waste water treatment facility for 278 KLD should be developed in phased manner in following phases and other conditions will remain same as per the recommendations made for EC in the 298<sup>th</sup> SEAC meeting Dated 17/11/2017:



a)	<b>Phase-1</b>	<b>ETP</b> 65 KLD	<b>Phase-1</b>	<b>STP</b> 10 KLD
b)	<b>Phase-2</b>	<b>ETP</b> 65 KLD	<b>Phase-2</b>	<b>STP</b> 10 KLD
c)	<b>Phase-3</b>	<b>ETP</b> 116 KLD	<b>Phase-3</b>	<b>STP</b> 12 KLD
	<b>Total</b>	246 KLD		32 KLD

**9. Case No. - 5577/2017 M/s Shakti Traders, Near Jalpa Devi Temple, Jalpa Ward, Katni, MP (483501(SIA/MP/MIN/65205/2017).Prior Environment Clearance for Sand Deposit Quarry in an area of 6.0 Ha. (85,500 cum per annum) (Khasra no. 55 (Part)) at Village- Mohana , Tehsil - Ajaygarh, Dist. Panna (MP).**

This is case of Sand Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 55 (Part)) at Village- Mohana, Tehsil - Ajaygarh, Dist. Panna (MP) 6.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter dated: 11/11/2016, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was earlier appraised by SEAC-II in its 62<sup>nd</sup> meeting dated 23.12.2016 as case no. 5475/2016 based on the facts submitted by the PP and recommended to SEIAA. The SEIAA has considered the case in its 401<sup>st</sup> meeting dated 13.01.2017 and accorded environment clearance vide no5070-71/SEIAA/17 dated 23.01.2017.

Later on another sand lease was sanctioned by MPSMC at same village Mohana Tehsil Ajaygarh Dist Panna. During the demarcation of both quarries, it is noted by the district administration that coordinates of the both the quarries not machining. The coordinates of quarry area of M/s Shakti Traders was not appropriate and varies slightly. Hence PP has modified and gets the approval of the mining plan with revised coordinates. The PP has submitted the application for amendment in the EC with respect to changed coordinates and after considering the case SEIAA has cancelled the previous EC and asked PP to apply fresh in 436<sup>th</sup> meeting dated 29.05.2017

The case was submitted as fresh with revised coordinates to SEIAA and SEIAA has forwarded the case to SEAC for appraisal. The activity is mentioned at S.N. 1 (a) of the

Schedule of EIA Notification 2006 as amended from time to time. The project is reported to be at a distance of more than 5 Km from the interstate boundary; thus is not attracted by the general conditions and falls under category ‘B-2’ by virtue of its location and mining lease area. Hence the project requires prior Environmental Clearance from the SEIAA. The case was forwarded by SEIAA to SEAC for scoping so as to determine B-2.

Project proponent and his consultant presented the salient features of the project and the proposed EMP before the committee. The presentation and the submissions made by the PP reveals following:

It was submitted that this is proposed mine for five year period. The proponent wish to have capacity 85,500 cubic meter per year, from opencast mining. Accordingly the mine plan has been approved.

**Environment setting**

Particulars	Details
<b>Locations</b>	
Village	Mohana
Tehsil	Ajaygarh
District	Panna
State	MP
Revised Coordinates	1. 24°55’59.072” N - 80°07’12.008” E
Latitude	2. 24°55’52.546”N - 80°07’27.128” E
Longitude	3. 24°55’47.998” N- 80°07’24.967” E
	4. 24°55’56.398”N - 80°07’10.046” E
Previsous Coordinates	1. 24°55’52.20” N - 80°08’33.00” E
	2. 24°55’48.70”N - 80°07’41.90” E
	3. 24°55’02.90” N- 80°07’44.30” E
	4. 24°55’55.90”N - 80°08’27.70”
General ground level	134 m
Nearest National/state Highway	SH- 49 - 14km – SE
Nearest Railway Station	Rajnagar R.S. – 25.50 km
Nearest Airport	Khajuraho – 23.50 km
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	Panna Tiger Reserve National park- 7.50 km Ken Ghadiyaal Wild life Sanctuaries-4.50 km
Reserved / Protected Forest within 10km radius	P.F. -1 - 2.50 km –S

	P.F. -2 - 1.25 km - N
Nearest major city with 100000 population within 10km radius	None
Nearest Town / City within 10km radius	None within 10km radius
Nearest Village	Mohana - 1.0 km - W
Nearest River	Urmal Nadi - 6.00 km - W
Nearest Nalla/water reservoir	Ken Canal - 2 km - S Balraha Nala - 1.0 km - ESE
Nearest Hill Ranges	Sunoa pahar -9.50 km -WSW
Other mines within 1 km radius	None
Industry within 10km radius	None
Distance of transport road	5.75 km

Earlier this case was discussed in 79<sup>th</sup> SEAC-II meeting dated 13/06/17, wherein it was observed that Case was presented by PP and their consultant. During presentation, it was observed that as per the certificate issued by the DFO vide letter no. 2347 dated 15/05/2015, Panna Tiger Reserve is at a distance of 7.5 kms and Ken Ghariyal Abhayaran is at a distance of 4.5 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/970/2016 and date of submission is 14/11/2016. 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 85,500 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.

- The grant of Environmental Clearance should be subject to necessary Wild Life Clearance from NBWL to be obtained by PP.

SEIAA has forwarded this case vide letter No. 1442 dated 03/01/2018 stating that: “PP has submitted a request letter dtd.18/12/2017 mentioning that in the ESZ Notification of Ken Ghariyal Sanctuary published by MoEF&CC, GoI on dtd.19.09.2017. The Eco Sensitive Zone in case of Ken Ghariyal Sanctuary has been fixed with an extend of 200 m from the boundary of the Ken Ghariyal Sanctuary ESZ and it was requested that the ML area lies at distance of about 4.5 km from the Ken Ghariyal Sanctuary & the specific condition (no 16) as mentioned in prior EC vide letter no 1313 dtd 12.12.17 for wild life Clarence from NBWL may be withdrawn by SEIAA.” which was placed before the committee.

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

- SEAC has appraised the case in 79<sup>th</sup> meeting dated 13.06.2017 and recommended for environment clearance. SEIAA consider the case in 456<sup>th</sup> meeting dated 16.11.2017 and accorded environment clearance to the project and EC was issued vide letter no. 1313/SEIAA/2017 dated 12.12.2017 with a specific condition that “the grant of environment clearance should be subject to necessary wild life clearance from NBWL to be obtained by PP”.
- The subject quarry lease is 4.5 km from the said sanctuary and 7.5 km from buffer zone of Panna Tiger Reserve, which is duly certified by DFO in the issued letter vide no. 2347 dated 15.05.2015.
- In context of above, we would like to submit that eco-sensitive zone of Ken Ghadiyal Sanctuary has been notified in the gazette, which was published on 19.09.2017 wherein the zone is earmarked for 200 mtrs from the periphery of the sanctuary”.
- Ministry of Environment & Forest & Climate Change has issued notification on 25.06.2014, wherein the distance for categorization of project has been reduced from 10 km to 5 km from the periphery of the project and the relevant para may be read as follows :

*“ Any project or activity specified in category 'B' will be appraised at the Central) level as Category' A', if located in whole or in part within 5 km. from the boundary of: (i) Protected areas notified under the Wildlife (Protection) Act, 1972 (53 of 1972); (ii) Critically polluted areas as identified by the Central Pollution Control Board*

*constituted under the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) from time to time; (iii) Eco sensitive areas as notified under sub-section (2) of section 3 of the Environment (Protection) Act, 1986, and (iv) inter-State boundaries and international boundaries; provided that for River Valley Projects specified in item 1(c), Thermal Power Plants specified in item 1 (d), Industrial estates/parks/complexes/areas, export processing zones (EPZs), Special Economic Zones (SEZs), biotech parks, leather complexes specified in item 7(c) and common hazardous waste treatment, storage and disposal facilities (TSDFs) specified in item 7( d), the appraisal shall be made at Central level even if located within 10km”.*

- Further to that in case of sand mining, general condition is also not applied as per amended EIA notification dated 15.01.2016 and considering the above facts, we request the honorable committee to consider the above submission PP requested for removal of condition number 16 from the issued EC pertaining to requirement of NBWL clearance for the project.

After presentation by PP and their consultant committee observed that in light of Eco Sensitive Zone of Ken Ghariyal Sanctuary notification published by MoEF&CC, GoI, No. S.O. 3082 on dtd.19.09.2017 (E) wherein it is stated that Eco Sensitive Zone in case of Ken Ghariyal Sanctuary has been fixed with an extent of 200 m from the boundary of the Ken Ghariyal Sanctuary and this QL area lies at distance of about 4.5 km from the Ken Ghariyal Sanctuary which is suitably away from the 200 meter restricted area but as informed by the DFO Panna Tiger Reserve is 7.5 kms away from its buffer zone for which PP informed that DFO has given the distance from the buffer zone which is > 10 kms away from the core zone of Panna Tiger Reserve and thus it is beyond the 10 kms limits and also as per notification dated 15/01/2016, General Conditions are not applicable on miner minerals if the lease area is less than 25.00 ha.. Committee after deliberations decided that PP should submit fresh DFO certificate stating the distance of this lease from the periphery of Panna Tiger Reserve for consideration of the request submitted by the PP.

**10. Case No. - 5619/2017 Mr. Sameer Khan S/o Shri Muneer Khan, 87, Shastri Ward, Pathak Lekhan Bahawan Ke Pass, Station Road, Bina, Dist. Sagar, MP – 473443 Prior Environment Clearance for Sand Auctioned Quarry in an area of 6.0 Ha. (4,000 cum per annum) (Khasra no. 363) at Village- Badouli, Tehsil - Moungaoli, Dist. Ashoknagar MP.**

This is case of Sand Auctioned Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 363) Village- Badouli, Tehsil - Moungaoli, Dist. Ashoknagar (MP) 6.0 Ha. The project requires prior EC before commencement of any activity at site.

The 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 (Ekal Praman Patra) vide letter no. 218 dated: NIL has reported that there is no more mine operating or proposed within 500 meters around the said mine.

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

Today this case was again scheduled for 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. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**11. Case No. - 5614/2017 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1 South Tukoganj, Indore, MP – 452001 Prior Environment Clearance for Sand Deposit Quarry in an area of 10.0 Ha.. (2,40,000 cum per annum) (Khasra no. 1540/1) at Village- Padwar, Tehsil - Gouri har, Dist. Chhatarpur (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. 1540/1) at Village- Padwar, Tehsil - Gouri har, Dist. Chhatarpur (MP) 10.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. NIL dated: NIL has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation 302<sup>nd</sup> SEAC meeting dated 22.12.2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee

during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today this case was again scheduled for 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. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**12. Case No. - 5615/2017 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1 South Tukoganj, Indore, MP – 452001 Prior Environment Clearance for Sand Deposit Quarry in an area of 12.500 Ha.. (3,75,000 cum per annum) (Khasra no. 277/1) at Village- Harrai, Tehsil - Chandala, Dist. Chhatarpur (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. 277/1) at Village- Harrai, Tehsil - Chandala, Dist. Chhatarpur (MP) 12.500 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 1000 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. 505 dated: 21/4/17 has reported that there are 01 more mine operating or proposed within 1000 meters around the said mine with total area of 24.0 ha. Including this mine

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

Today this case was again scheduled for 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. PP was also

absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**13. Case No. - 5621/2017 M/s S. R. Money Grow Company, Shri Rambir Singh Sikarwar, Plot No. 11, First Floor, Gomti Colony, Nehru Nagar, Bhopal, MP – 462003 Prior Environment Clearance for Sand Mine in an area of 6.355 Ha.. (3040 cum per annum) (Khasra no. 1) at Village- Kelaras, Tehsil - Shadora, Dist. Ashoknagar (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 1) at Village- Kelaras, Tehsil - Shadora, Dist. Ashoknagar (MP) 6.355 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 1000 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. Nil dated: nil has reported that there are no more mines operating or proposed within 500 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.

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

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

**(Dr. R. Chaudhary)**  
Member

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

**(Prashant Shrivastava)**  
Member

**(Mohd. Kasam Khan)**  
Chairman



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

**Annexure- 'A'**

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

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

**Annexure- 'B'**

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

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

Annexure- 'C'

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

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