

The 307<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 23<sup>rd</sup> February, 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. Sonal Mehta, Member.
3. Shri Prashant Shrivastava, Member.
4. Shri R. Maheshwari, Member.

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

1. **Case No. - 5564/2017 Executive Engineer, Narmada Development Division No. - 5, Narmada Nagar, Distt. - Khandwa, (M.P.) 450119 Prior Environment Clearance for Harsud Lift Irrigation Scheme at Village - Nandgaon, Tehsil - Harsud, Distt. - Khandwa, (M.P.) Cat. 1(c) River Valley and Hydroelectric Projects. EIA Consultant: M/s EQMS, Delhi.**

This is a River Valley projects involving < 10,000 ha. of culturable command area falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

### **INTRODUCTION:-**

### **AIM(S) OF THE SCHEME WORK :**

The main objective of HARSUD LIFT IRRIGATION SCHEME is to provide irrigation facilities to the water-scare areas in upper reaches of Harsud, tehsil of Khandwa district where the level of irrigation is very much less as compare to national irrigation percentage. The HARSUD LIFT IRRIGATION SCHEME has been conceived to cater irrigation water to about 5648 Ha CCA in Harsud, tehsil of Khandwa districts in 13 villages.

### **Location of Scheme:**

The Scheme area lies in Khandwa District. The supply source i.e. ISP Reservoir Near Nandgaon village of Khandwa District and command area lies in 13 Villages of Harsud tehsil of Khandwa districts.

### **SALIENT FEATURES**

<b>1. Name of the Scheme</b>	<b>HARSUD LIFT IRRIGATION SCHEME</b>
<b>2. Type of Scheme</b> : (Irrigation or Multipurpose)	Lift Irrigation Scheme
<b>3. Location</b> :	
i) Supply Source :	ISP Reservoir
ii) Lifting Point ; :	ISP Reservoir near Village Nandgaon
iii) Command :	Tehsil Harsud, Distt. Khandwa
<b>3.1 River Basin</b>	
a) Name :	Narmada Basin
b) Location :	Madhya Pradesh Distt. Khandwa
<b>3.2 River / Tributaries</b>	Narmada Basin
<b>3.3 State / District or Tehsils in which following are located</b>	State District
(a) Lifting Point / Rising Main	M.P Khandwa Harsud
(b) Command Area	
<b>3.4 Name of Village near head works (Lifting Point)</b>	Village Nandgaon, Tehsil Harsud
<b>3.5 Location of Pump house</b>	
(i) Lifting Point	ISP Reservoir near Village Nandgaon Tehsil Harsud
(a) Longitude	76 <sup>0</sup> 37' 45"

- (b) Latitude 21° 52' 55"
- (c) List in Earthquake Zone No Zone-III (Moderate Seismic)
- (i) Level at off take point R. L. 248.00 meter (Near village Nandgaon)
- (ii) Level at Delivery point R.L. 324.00 meter

**3.6 Scheme Area reference**

- Top sheet Rising main/Gravity main/Command Area  
55 C/9

**3.7 Access to the Scheme**

- a) Nearest Airport Devi Ahilya Airport Indore (M.P.) 175 Km from Lifting Point
- b) Nearest Rail Station Khandwa, 45 km from Lifting Point

**4 Interstate aspects of the Scheme**

- (a) Catchment area of the basin
- (b) State-wise / Country-wise details of Catchment area
- (c) Submergence due to Scheme
- (d) Water allocation for the state (if any)
- (e) Water allocation for other state
- (f) committed utilization
- (i) **Upstream Schemes**
  - (a) Scheme Completed

} It is a lift scheme and no balancing reservoir , hence No submergence

} The Quantum of water being lifted for this Scheme is included in the water share of M.P. as per NWDT award

Not applicable

(b) Scheme under construction	
(c) Feature Schemes	As stated above it is as per
(d) Any other	committed utilization of
	share of Narmada Water
<b>(ii) Downstream Schemes</b>	
(a) Scheme Completed	
(b) Scheme under construction	
(c) Future Schemes	
(d) Any other	
(g) Proposed annual utilization by the Scheme	22.98 Mcm
(i) Irrigation (surface)	5648 Hectare
- Rabi	100% (5648 Ha.)
(i) Irrigation	2.20 cumec
<b>Total</b>	<b>2.20 cumec</b>
<b>5 Estimated life of the Scheme (years)</b>	<b>50 Year</b>
<b>6 Irrigation (ha.)</b>	
(a) Gross command area (GCA)	6276 Hectare
(b) culture able command area (CCA)	5648.Hectare
(c)Area under Irrigation (break up)	
(i) Kharif	2372 Ha.
(ii) Rabi	5648 Ha.
(iii) Horticulture	170 Ha.
(iv) Gross irrigated area	8190 Ha.

- (vi) Intensity of irrigation 145%
- (d) Cost per hectare of gross area irrigated 1.38 Lacs/Hact.

**7 Scheme Performance**

- (a) Irrigation 5648 Hectare

**8 Head Regulator(s)**

Pump House Structure shall be constructed

**9 Canal System**

- 9.1 Rising Main Canal (Piped) – 8.30 Km

- 9.1.1 Purpose of Canal Irrigation and raw water to villages of command area

9.1.2 Type

- (a)Flow Piped system

- (b) Lined/unlined Piped system

- (c) Discharge capacity of the Channel above which lining is proposed Not applicable (Piped Canal)

- (d) Type of lining Not applicable

9.1.3 Design data

- (a) Length (km) Distributory  
No.  
=60 Km  
(Piped)

- (b) Full supply level at head/tail (EI-m) }  
(c) Full supply depth at head/tail (EI-m) } Not applicable as the flow will

(d)	Bed width at head/tail(EI-m)	be pressurized flow
e)	Side slope at head/tail (EI-m)	
f)	Bed slope (range)	According to hydraulic gradient
g)	Maximum discharge capacity at head ( m <sup>3</sup> /s)	2.20 <u>cumecs</u>
h)	Total number of canal structures	NIL except outlets for irrigation & water supply at Appropriate location
i)	Total head losses	4 M
j)	Gross command area (ha.)	6276
k)	Culturable command area (ha.) Net C.C.A.	5648
9.1.4	Distribution system (up to 2.5 hectares)	Distributaries and minors (piped)
	(a)Numbers (Minors)	Nos
	(b)Total length (km)	Km
9.2	Efficiencies (percentage)	
	(a) Conveyance	95%
	(b) Field application	84%

Earlier this case was presented by the PP and their consultant in 292<sup>nd</sup> SEAC meeting dated: 16/06/2017, wherein during presentation it was submitted by the PP that no forest land is involved in the project. After deliberations committee decided to recommend standard TOR

prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs:

1. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
2. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
3. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
4. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
5. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
6. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
7. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
8. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
9. An inventory of flora & fauna based on actual ground survey shall be presented.
10. As forest land is involved in the project status of FC stage to be clarified with supporting documents.
11. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
12. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.

13. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
14. Ratio of gravity flow and pumping should be studied in the EIA report as 03 pumping stations are proposed in the project.
15. Since all the pumping stations are in remote locations, mechanism of providing power supply to them should be discussed in the EIA report. If fresh HT lines are proposed to be laid down issues such as land acquisition should be detailed out in the EIA report. For lying transmission line, if there is involvement of forest land, same should be added in the FC proposal.
16. Any proposal for alternate power supply. If yes, their details should be discussed in the EIA report.
17. Explore the possibility regarding use of a common pump house for Jawar Micro Lift Irrigation Scheme and Harsud Lift Irrigation Scheme.
18. Risk factors with their management plan should be discussed in the EIA report.

PP has submitted the EIA report vide letter No.-190 dated 02/02/2018 which was forwarded through SEIAA vide letter no.1635 dated 07/02/2018.

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

S.No.	Description	Response
1.	Name of the Project & its location	HARSUD MICRO LIFT IRRIGATION PROJECT Tehsil – Harsud, District – Khandwa, (M.P)
2.	Name of the Company, Address Tele No. & E-mail	Narmada Division No.25, Narmada Valley Development Authority, Narmada Nagar, District Khandwa – 450119, M.P E-mail: eend25@gmail.com
3.	Latitude and Longitude of the Project	North – 22 ° 0’ 42. 77” N, 76 ° 41’ 18.65” E South - 21 ° 56’ 5. 58” N, 76 ° 42’ 30.82” E East - 21 ° 57’ 55. 78” N, 76 ° 46’ 23.09” E West - 21 ° 57’ 26 .47” N, 76 ° 38’ 41.98” E
4.	If a Joint Venture, the names & address of the JV partners including their share	N.A



5.	Project brief : nature of proposal (new / expansion) total area – land use, project components, connectivity to the site, etc.	<p>New project</p> <p>Execution of Harsud Micro Lift Irrigation Scheme on Turn Key Basis comprising of Lifting of 0.39 LPS / Ha water for Irrigation in 5648 Ha from Indira Sagar Reservoir for providing water with Micro Irrigation upto 2.5 Ha Chak with residual head of 20 mtrs at 2.5 Ha chak.</p> <p>Culturable command area 5648 Ha</p> <p>Land use – Presently agriculture and shall remain agriculture except at places where construction of pump house 2 nos &amp; break pressure tank 2 nos are proposed to be constructed on Govt. land (3.25 Ha).</p> <p>Project Components – Intake well – 1, Pump House – 2 Nos, Break pressure Tanks – 2 Nos, Raising main pipe canal 3.020 Km approx. Gravity means - pipe canal 22.63 Km.</p> <p>The site is well connected with SH – 15 passing through the command area and two Railway stations Chhanera &amp; Charkhera Khurd are within the command area.</p>
6.	Cost of the project	Rs.113.41 Crore
7.	Whether this project is in Critically Polluted Area	No.
8.	<p>If the project is for EC under EIA Notification, 2006</p> <p>(a) For the first time appraisal by EAC</p> <p>(i) Date of ToR</p> <p>(ii) Date of Public Hearing, location</p> <p>(iii) Major issues raised during PH and response of PP</p> <p>(b) Second appraisal</p>	<p>Yes</p> <p>24.06.2017</p> <p>06.01.2018, Village Pratap pura, Teshil – Harsud, District – Khandwa.</p> <p>All those present in Public hearing wanted the project to be executed at the earliest and project proponent assured them that project will be immediately started after taking prior environment clearance</p>

	(i) Date of first / earlier appraisal (ii) Details of the information sought by the EAC with the response of PP		No. N.A
9.	If, the project involves diversion of forest land (i) Extend of the forest land (ii) Status of forest clearance		No.
10.	If the project falls within 10Km of eco-sensitive area (i) Name of the eco-sensitive area and distance for the project site, (ii) Status of clearance from National Board for wildlife		No. N.A N.A
11.	Waste Management (i) Water requirement, source, status of clearance  (ii) Waste water quantity, treatment capacity, detail (iii) Recycling / reuse of treated water and disposal (iv) Solid Waste Management  (v) Hazardous Waste Management		<p>During construction total 150 Nos of workers shall be engaged. 150 x 45 lpcd = 6750 ltrs and water for construction activities (ground water from existing tube wells and Indira Sagar Reservoir).</p> <p>During operation total 25 Nos of workers shall be employed in three shifts 25 Nos x 45lpcd = 1125 lpd (ground water).</p> <p>Water will be required for irrigation purpose which will be sourced from Indira Sagar Reservoir from the share of Madhya Pradesh i.e 18.25 million acre ft. in terms of NWDT award.</p> <p>Construction period – 6075 ltrs. Operation - 1012.4 ltrs.</p> <p>Will be disposed in septic tank / soak pit.</p> <p>During construction &amp; operation, organic waste shall be treated by vermi composting and inert waste shall be disposed as per established law.</p> <p>During construction 12090cum of muck shall be generated which shall be used in filling of low lying area in consent with the Gram Panchayat.</p>

			During operation used oils from the pumps & filters shall be generated which will be disposed to authorized agency.
12.	<p>Other details</p> <p>(i) Noise Modeling with noise control measures for air ports</p> <p>(ii) Details of water bodies, impact on drainage if and</p> <p>(iii) Details of tree cutting</p> <p>(iv) Energy conservation measures with estimated saving</p> <p>(v) Green belt development (20% of construction projects and 33% for others)</p> <p>(vi) Parking requirement with provision made</p>		<p>N.A</p> <p>Spillage of excavated earth during construction of intake well leads to turbidity of Indira Sagar Reservoir and nearby streams. During construction of intake well, the ISR course and the point of contact of intake will be provided with sand bags. No nala or stream passing through the command area. The scheme will not alter the drainage of the area.</p> <p>Apparently, it appears that no tree felling is required. However, if any tree will be impinging directly on works efforts shall be made to avoid it unless and until inevitable, trees shall not be felled. If required, permission from the competent authority shall be taken.</p> <p>N.A</p> <p>N.A</p>
13.	<p>If the project involves foreshore facilities</p> <p>(i) Shoreline study</p> <p>(ii) Dredging details, disposal of dredge material</p> <p>(iii) Reclamation</p> <p>(iv) Cargo handling with dust control measures</p> <p>(v) Oil Spill Contingent Management Plan</p>		N.A
14.	<p>If the project involves Marine disposal</p> <p>(i) NOC from PCB in case of</p>		N.A

	<p>marine disposal</p> <p>(ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9</p> <p>(iii) Location of intake / outfall quantity</p> <p>(iv) Detail of monitoring at outfall</p> <p>(v) Any other relevant information</p>		
15.	<p>Other information</p> <p>(i) Investment / cost of the project is Rs..... (in crore)</p> <p>(ii) Employment potential.....</p> <p>(iii) Benefits of the project</p>		<p>Rs.113.41 Crore</p> <p>(Rupees One hundred thirteen crores &amp; fortyone lakhs only)</p> <p>During construction 150 nos approx. During operation 25 nos approx.</p> <ul style="list-style-type: none"> <li>• Due to the implementation of the scheme 5648 Ha shall be brought under irrigation.</li> <li>• The project improves total farm output and hence raises farm income.</li> <li>• Direct employment opportunities for 150 persons during construction phase and 25 persons during operation phase of the project. Further, indirectly labour opportunities will be substantially improved since larger area will be brought under irrigation.</li> <li>• Overall population of 39938 belongs to 7970 families in the 19 villages of command area will be benefitted directly under the Scheme.</li> </ul>
16.	Date of Ground water clearance:		N.A

17.	Cost of proposed EMP and CSR (with detailed components & proposed activities ) with capital cost and recurring cost	<p>Rs.200 lacs.</p> <table border="1"> <thead> <tr> <th data-bbox="906 300 1019 415">Sl.No.</th> <th data-bbox="1019 300 1360 415">Particulars</th> <th data-bbox="1360 300 1549 415">Cost (Rs.in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="906 415 1019 709">1.</td> <td data-bbox="1019 415 1360 709">Air Pollution Control during construction Phase (dust suppression, control of point source and vehicular emission and chimney for DG Set).</td> <td data-bbox="1360 415 1549 709">50.00</td> </tr> <tr> <td data-bbox="906 709 1019 856">2.</td> <td data-bbox="1019 709 1360 856">Water Pollution Control (Drinking water, sanitation, septic tank &amp; soakpit)</td> <td data-bbox="1360 709 1549 856">20.00</td> </tr> <tr> <td data-bbox="906 856 1019 1045">3.</td> <td data-bbox="1019 856 1360 1045">Noise Pollution Control (site baricating, regular maintenance of machineries and equipments, etc.)</td> <td data-bbox="1360 856 1549 1045">14.00</td> </tr> <tr> <td data-bbox="906 1045 1019 1266">4.</td> <td data-bbox="1019 1045 1360 1266">Solid Waste Management Plan (Domestic waste collection bins, disposal, treatment &amp; muck disposal)</td> <td data-bbox="1360 1045 1549 1266">55.00</td> </tr> <tr> <td data-bbox="906 1266 1019 1413">5.</td> <td data-bbox="1019 1266 1360 1413">Occupational Health Management Plan (Personal Protective Equipments)</td> <td data-bbox="1360 1266 1549 1413">45.00</td> </tr> <tr> <td data-bbox="906 1413 1019 1486">6.</td> <td data-bbox="1019 1413 1360 1486">Compensatory Plantation</td> <td data-bbox="1360 1413 1549 1486">10.00</td> </tr> <tr> <td data-bbox="906 1486 1019 1627">7.</td> <td data-bbox="1019 1486 1360 1627">Environment monitoring during construction and operation phase.</td> <td data-bbox="1360 1486 1549 1627">6.00</td> </tr> </tbody> </table>	Sl.No.	Particulars	Cost (Rs.in Lakhs)	1.	Air Pollution Control during construction Phase (dust suppression, control of point source and vehicular emission and chimney for DG Set).	50.00	2.	Water Pollution Control (Drinking water, sanitation, septic tank & soakpit)	20.00	3.	Noise Pollution Control (site baricating, regular maintenance of machineries and equipments, etc.)	14.00	4.	Solid Waste Management Plan (Domestic waste collection bins, disposal, treatment & muck disposal)	55.00	5.	Occupational Health Management Plan (Personal Protective Equipments)	45.00	6.	Compensatory Plantation	10.00	7.	Environment monitoring during construction and operation phase.	6.00
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18.	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	Budgetary provision for plantation is Rs.10.00 lakhs																								
19.	Any river / nallah flowing near or adjacent to the proposed mine. If yes, please give details.	No nallah / stream, is present within the command area, Indira Sagar Reservoir is located along the western boundary of the command area. Agni,																								

			Tawa, Ghodapachar rivers are the main surface water bodies located near the command area. Tawa river is flowing near the western boundary, Agni river is flowing near southern boundary and Ghodapachar river is flowing near the northern boundary of the command area.
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EIA was presented today by the PP and their consultant, wherein PP informed that the pipeline will not pass through any residential and forest area. It was suggested by committee that proper earthing should be provided for all the electrical appliances and digging should be minimum 15 meters away from any permanent structure. PP further submitted that all the pumps proposed for this project are HT pumps. After presentation and discussion committee has asked PP to submit response on following:

1. During presentation PP and consultant referred an OM regarding land acquisition the copy of the same should be submitted with its relevancy with the project.
  2. Details temporary land acquisition of proposed villages and area (survey report) from where the pipeline will pass and other facilities will be developed.
  3. Power input details of main pumps.
  4. Occupational health plan for permanent workers shall be submitted.
  5. Revised muck management plan with special reference to top soil management.
  6. Details of permanent staff for the entire project.
  7. An affidavit from the PP that all the electric installments will be earthed properly and digging would be 15 mts away from any permanent structure.
  8. Revised EMP as suggested by the committee with bifurcation in capital and recurring cost.
2. **Case No. - 5633/2017 Executive Engineer, Narmada Development Division No. 18, Damkheda Colony, Khargone, MP. Prior Environment Clearance for Pipari Lift Micro Irrigation Scheme at Near Village Kondapur, Dist. Khargone, MP.**

This is case of Prior Environment Clearance for Pipari Lift Micro Irrigation Scheme at Near Village Kondapur, Dist. Khargone, MP and falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

The case was presented by the PP and their consultant wherein during presentation PP informed that no forest area is involved in the project and thus FC clearance is not envisaged. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs:

1. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
2. R&R scheme (If applicable) as per EIA notification and other relevant laws shall be submitted.
3. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
4. Solid waste management plan (including waste generated from the metal cutting etc) should be discussed in the EIA report.
5. If ant tree falling is proposed their details with number & species shall be provided in the EIA report.
6. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
7. Minimum 06 locations shall be selected for AAQM for this project.
8. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
9. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
10. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
11. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
12. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
13. An inventory of flora & fauna based on actual ground survey shall be presented.
14. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
15. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
16. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
17. Since all the pumping stations are in remote locations, mechanism of providing power supply to them should be discussed in the EIA report. If fresh HT lines are proposed to be laid down issues such as land acquisition should be detailed out in the EIA report. For lying

transmission line, if there is involvement of forest land, same should be added in the FC proposal.

18. Any proposal for alternate power supply. If yes, their details should be discussed in the EIA report.
19. Risk factors with their management plan should be discussed in the EIA report.
20. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
21. The EIA document shall be printed on both sides, as far as possible.
22. All documents should be properly indexed, page numbered.
23. Period/date of data collection should be clearly indicated.
24. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
25. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
26. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
27. Grant of TOR does not mean grant of EC.
28. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
29. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
30. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

**3. Case No. - 5636/2017 Executive Engineer, M/s Narmada Valley Development Authority, N.D. Div. No. 14, Thikri, Distt. Barwani. Prior Environment Clearance for Micro Lift Irrigation Scheme Cultivable Command Area-38,412 ha, Gross Command Area-46,447.46 ha, at Near Village Chichali, Tehsil - Kasrawad, Dist. Khargone, MP.**

This is case of Prior Environment Clearance for Micro Lift Irrigation Scheme Cultivable Command Area-38,412 ha, Gross Command Area- 46,447.46 ha, at Near Village Chichali, Tehsil - Kasrawad, Dist. Khargone, MP and falls under category "B" and have been mentioned



at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

The case was presented by the PP and their consultant wherein during presentation PP informed that 02 ha forest area is involved in the project and thus FC clearance should be obtained and necessary details shall be submitted with the EIA report. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs:

1. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
2. R&R scheme (If applicable) as per EIA notification and other relevant laws shall be submitted.
3. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
4. Solid waste management plan (including waste generated from the metal cutting etc) should be discussed in the EIA report.
5. If ant tree falling is proposed their details with number & species shall be provided in the EIA report.
6. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.
7. Minimum 08 locations shall be selected for AAQM and noise level monitoring for this project.
8. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
9. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
10. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
11. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
12. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
13. An inventory of flora & fauna based on actual ground survey shall be presented.
14. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.

15. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
16. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
17. Since all the pumping stations are in remote locations, mechanism of providing power supply to them should be discussed in the EIA report. If fresh HT lines are proposed to be laid down issues such as land acquisition should be detailed out in the EIA report. For lying transmission line, if there is involvement of forest land, same should be added in the FC proposal.
18. Any proposal for alternate power supply. If yes, their details should be discussed in the EIA report.
19. Risk factors with their management plan should be discussed in the EIA report.
20. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
21. The EIA document shall be printed on both sides, as far as possible.
22. All documents should be properly indexed, page numbered.
23. Period/date of data collection should be clearly indicated.
24. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
25. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
26. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
27. Grant of TOR does not mean grant of EC.
28. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
29. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
30. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

4. **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 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 vides 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.

This case was again placed in 66<sup>th</sup> SEAC-II meeting dated-06/02/2017 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 16/12/0214 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 and 304<sup>th</sup> SEAC meeting dated 15.01.2018 but PP remains absent and has apologize through mail for not attending 304<sup>th</sup> SEAC meeting due to unavoidable circumstances and ill health/medical conditions and requested to scheduled 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.

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

FOR MINING PROJECTS			
S. no.	Particular		Details
1	Name of the project & its location	:	<b>Dhari no. 1 ochre, white clay and laterite mine (46.761 ha)</b> , Khasara No. : 314/1K, 314/1Kh, 314/1G, 314/2, 314/3, 314/5, 323, 324/337, 323/338, 323/339, 323/340, 323/341, 323/342, 323/343, 326 Village- Dhari No. 1, Tehsil- Beohari, Shahdol (M.P)
2	Name of the Company, Address Tele No. & E-mail		M/s Agrawal & Singh Mineral 48, Prabhat Vihar Colony, Satna (MP)
3	Latitude and Longitude of the project		24°12'24'' - 24°13'11'' N 81°26'55'' - 81°27'22'' E
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 – 46.761ha, Govt. and Pvt. land connectivity- Beohari – Sidhi SH-55
6	Whether the project is in the Critically Polluted Area (CPA):		No
7	Cost of the project		10.0 lakh
8	Employment generated/to be generated		20
9	Benefits of the project:		Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from ..... MT to ..... MT ii What is the % of expansion		New
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.		NA
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF		NA
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority		
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)		
16	Type of Mine: (Open cast/Underground/mixed):		Opencast
17	Capacity of the mine applied for		Ochre, White Clay and Laterite – 1800TPA
18	ML Area i. As per block allotment ii. As per approved mine plan		46.761ha
19	Date of approval of mine plan, mine closure plan, status & date		Mining plan approval date
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		Given below
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions		Given below
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details		No
			Signature of proponent
			Date

**EMP cost**

Particular	Total Cost Lakhs	
	Capital	Recurring
Water spraying system through water tanker	2.0	0.20
Dust Suppression through tanker over 0.500 km road * 5.0m- (20Rs/km) Approx running per day 1.0km@300 day = 300km@20	-	0.06
<b>Sub- Total</b>	2.00	<b>0.26</b>
Maintenance of Plantation (Along the lease area) @ Rs 45/- per plant	-	1.0
Plantation (Capital cost) within lease area	30.00	
<b>Sub- Total</b>	<b>30.00</b>	<b>1.00</b>



Roads repair and maintenance (2.0km@1.0 lakh per Km)	-	2.00
<b>Sub- Total</b>	-	<b>2.00</b>
Occupational health and safety exp.	1.50	0.20
<b>Total</b>	<b>1.50</b>	<b>0.20</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 4505m@300/-	13.52	2.25
<b>Sub- Total</b>	<b>13.52</b>	<b>2.25</b>
<b>Total</b>	<b>54.72</b>	<b>13.51</b>
CSR cost	5.00	5.20
<b>Sub- Total</b>	<b>5.00</b>	<b>5.20</b>
<b>Grand Total</b>	<b>59.72</b>	<b>18.71</b>

### Plantation details

ENVIRONMENT IMPACT & MANAGEMENT: Ecology: Stage Wise Cumulative										
REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	Unworked area green belt		Outside dumps (reclaim area)		Bench of Pit		Inside dump		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	0.15	100	-	-	-	-	-	-	0.15	100
1 <sup>st</sup> to 5 <sup>th</sup>	2.0	4000	-	-	-	-	-	-	2.0	4000
6 <sup>th</sup> to conceptual period	3.0	6000	-	-	-	-	1.0	2000	4.0	8000
<b>Total</b>	<b>5.15</b>	<b>10100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.0</b>	<b>2000</b>	<b>6.15</b>	<b>12100</b>

Time Bound Plantation Programme		
Year	Area	Number of Plants
1 <sup>st</sup>	4000 sq mt	800
2 <sup>nd</sup>	4000 sq mt	800
3 <sup>rd</sup>	4000 sq mt	800
4 <sup>th</sup>	4000 sq mt	800
5 <sup>th</sup>	4000 sq mt	800
6 <sup>th</sup> to CP	400000sqmt	8000
<b>Total</b>	<b>600000 Sqm</b>	<b>12000</b>

<b>Budget Allocation for Plantation</b>				
S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)
	<b>Within lease area</b>			
1 <sup>st</sup>	Saplings, and other related work	800	250/-	2,00,000/-
2 <sup>nd</sup>	Saplings, and other related work	800	250/-	2,00,000/-
3 <sup>rd</sup>	Saplings, and other related work	800	250/-	2,00,000/-
4 <sup>th</sup>	Saplings, and other related work	800	250/-	2,00,000/-
5 <sup>th</sup>	Saplings, and other related work	800	250/-	2,00,000/-
6 <sup>th</sup> –CP	Saplings, and other related work	8000	250/-	20,00,000/-
	<b>Total</b>			<b>30,00,000/-</b>

**CSR**

<b>Proposed CSR Activities</b>					
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.	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	1.20
		(B) Providing one room for computer		2.00	
		Provision of scholarship for five girls to higher education @2000 per month per girls		-	1.00
2	Free medical camp	Medical Checkup facility, first aid and other welfare activities for nearby villagers by MBBS Doctor	Quarterly	-	2.00
3	Drip Irrigation facility at nearby villages	Motivation and financial assistance to the framers of nearby villages for drip irrigation	Yearly	2.00	1.00
		<b>Total</b>		<b>5.00</b>	<b>5.20</b>

During presentation, PP informed that as per the recent certificate issued (letter no. 2092 dated 01/06/2017) by the DFO, Shahdol, (endorsing the letter of SDFO No. 990 dated 02/05/2017) the project site is 2060 meters away from the Son Ghariyal Abhayaran. SDFO in his letter dated 02/05/2017 has stated that the lease is 350 meters away from the forest area and approach road is available to reach lease from the outside of the forest area. Considering the above distances, the SDFO has recommended for sanctioning of lease. PP further submitted that Son Crocodile Sanctuary is located at 2.060 km away from the lease area and as per Notification of MoEF&CC dated 13/12/2016; the eco-sensitive zone of Son Ghariyal Abhayaran is defined as 01 km. Thus this lease is well outside the eco-sensitive zone of Son Ghariyal Abhayaran and considering the above NOC is recommended by the SDFO and DFO, Shahdol. During presentation, it was reported that the mine is on three small hillocks having 32 mt elevation differences.

### **Geology of the Mine**

- Local geology of the area follows the same trend as that of regional geology. One old pit-A is located in the eastern part of the area, TP-3 and 4 having exposures of laterite are in north western part of the area.
- TP-1, 2 & 5 having exposures of ochre and clay are in central eastern and western part of the area. One tubewell /hand pump is located in western part of the area.
- In old pit (pit-A) and trial pit (TP-1, 2 & 5) exposures of yellow ochre and white clay are seen. Depth wise extent of mineral is reported by villagers during the drilling of tubewell.
- Existence of laterite is seen in TP-3 & 4 and out crops of laterite seen along the hill top located in northern part of the area.
- Based on the exposure of mineral seen in the area, applied area divided in to three blocks. Block –A is located in central part, consisting of yellow ochre and white clay, block-B is located in northern part of the area consisting of laterite and remaining area is considered as unexplored area.
- Later on this area may also consider as mineralized area, after carrying out proposed exploration.
- Existence of ochre is along with weathered Phyllite and existence of white clay is in the form of small pockets associated with ochre.

### **Details Of Existing Pits**

<b>Pit no.</b>	<b>Size - L x W x D</b>	<b>Location</b>	<b>Logging in m</b>
Pit -1	60 x 60 x 2m	SE	0 – 1.0 – Lateritic soil with boulder 1.0 – 2.0 – Yellow Ochre with pockets of white clay

TP-1	3 x 3 x 3 m	SE	0 – 2.0 – Lateritic soil with boulder 2.0 – 3.0 – Yellow Ochre with pockets of white clay
TP-2	12x 6 x 1 m	W	0 – 1.0 – Soil with boulder
TP-3	6 x 6 x 1m	NW	0 – 1.0 – Laterite with boulder
TP-4	3 x 3 x 1.5 m	N	0 – 1.0 – Laterite with boulder
TP-5	8 x 2 x 2m	E	0 – 1.0 – Lateritic soil with boulder 1.0 – 2.0 – Yellow Ochre with pockets of white clay
Stop dam	180 x 60 x 3 m	SE	0 – 1.0 – Lateritic soil with boulder 1.0 – 3.0 – Yellow Ochre with pockets of white clay
Hand pump	Dia of bore hole 4” X 20m D	SE	0 – 1.0 – Lateritic soil with boulder 1.0 – 20.0 – Yellow Ochre with pockets of white clay

### Mining Method

- Proposed mining will be carried out for white clay yellow ochre and Laterite by opencast manual mining method, using hand tools such as spades, hammer, crowbar, chisel etc.
- Laterite, ochre & white clay is soft in nature hence drilling and blasting will not be required.
- Mine waste generated during the proposed mining will be placed in the form of one dump for each year in western & northern barrier zone.
- Top soil generated during the proposed mining will be placed in the form of one dump for each year in western barrier zone.
- Depth persistence of mineral is anticipated. Therefore, Proposal of reclamation is not given.
- Proposed of mining is given in two location. Proposed mining of ochre and white clay will be carried out in the area of block-A (western part) and mining of laterite will be carried out from the area of block-B (northern part). Thus simultaneous mining and production of laterite and ochre with white clay will be achieved.
- During the SOM period, one development bench with height of 0.5m and one production bench with height of 1.50m will be developed.

### Existing and Proposed Land Use Plan

CONCEPTUAL PLAN		
Items	Existing	At the end of lease period
Total lease area	46.761 ha	

Ultimate depth of mining	2m	5m bgl (350 mRL)
Area under dumps	0.0302 ha	1.2504 ha
Area under pits	0.3742 ha	3.10ha
Afforestation	0.15 ha	6.15ha
Road	0.1235 ha	0.20 ha
Infrastructure	Nil	Nil
Area rehabilitated through water body	0.15 ha	2.50ha

**ENVIRONMENT IMPACT & MANAGEMENT: Ecology: Stage Wise Cumulative**

**REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION**

Year	Unworked area green belt		Outside dumps (reclaim area)		Bench of Pit		Inside dump		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	0.15	100	-	-	-	-	-	-	0.15	100
1 <sup>st</sup> to 5 <sup>th</sup>	2.0	4000	-	-	-	-	-	-	2.0	4000
6 <sup>th</sup> to conceptual period	3.0	6000	-	-	-	-	1.0	2000	4.0	8000
<b>Total</b>	5.15	10100	-	-	-	-	1.0	2000	6.15	12100

**Time Bound Plantation Programme**

Year	Area	Number of Plants
1 <sup>st</sup>	4000 sq mt	800
2 <sup>nd</sup>	4000 sq mt	800

3 <sup>rd</sup>	4000 sq mt	800
4 <sup>th</sup>	4000 sq mt	800
5 <sup>th</sup>	4000 sq mt	800
6 <sup>th</sup> to CP	400000sqmt	8000
<b>Total</b>	<b>600000 Sqm</b>	<b>12000</b>

<b>Budget Allocation for Plantation</b>				
<b>S. No.</b>	<b>Head</b>	<b>Qty</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
	<b>Within lease area</b>			
1 <sup>st</sup>	Saplings, and other related work	800	250/-	2,00,000/-
2 <sup>nd</sup>	Saplings, and other related work	800	250/-	2,00,000/-
3 <sup>rd</sup>	Saplings, and other related work	800	250/-	2,00,000/-
4 <sup>th</sup>	Saplings, and other related work	800	250/-	2,00,000/-
5 <sup>th</sup>	Saplings, and other related work	800	250/-	2,00,000/-
6 <sup>th</sup> -CP	Saplings, and other related work	8000	250/-	20,00,000/-
	<b>Total</b>			<b>30,00,000/-</b>

<b>Proposed Plantation Detail</b>			
	<b>Description</b>	<b>Qty</b>	<b>Location</b>
	<b>Trees</b>		
	Neem	1000	Along the lease Boundary in mine premises and along the road
	Mahua	1000	
	Bans	1000	
	<b>Ornamental Trees</b>		
	Amaltash	1000	Along the transportation road/ in premises
	Gulmohar	1000	Along the transportation road/ Along the transportation road/ in premises
	Satparni	1000	Along the lease Boundary in mine premises

<b>Fruit Trees &amp; Ornamental</b>			
	Awala	1000	At the down side of hillock and along the dump
	Mango	1000	At the down side of hillock, Along the dump
	Jamun	1000	At the down side of hillock and along the dump
	Emly	1000	At the down side of hillock, Along the lease Boundary in mine premises
<b>Medicinal Trees</b>			
	Drum Stick	1000	Along the lease Boundary in mine premises
<b>Commercial value Trees</b>			
	Sisam	500	Along the lease Boundary in mine premises
	Sissoo	500	Along the lease Boundary in mine premises and road
	<b>TOTAL</b>	<b>12000</b>	

### Socio-Economic Environment

<b>Proposed CSR Activities</b>					
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.	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	1.20
		(B) Providing one room for computer		2.00	
		Provision of scholarship for five girls to higher education @2000 per month per girls		-	1.00
2	Free medical camp	Medical Checkup facility, first aid and other welfare activities for nearby villagers by MBBS Doctor	Quarterly	-	2.00
3	Drip Irrigation	Motivation and financial	Yearly	2.00	1.00

	facility at nearby villages	assistance to the framers of nearby villages for drip irrigation			
		<b>Total</b>		<b>5.00</b>	<b>5.20</b>

### Environmental Monitoring & Management

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, ST	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

Budget For Occupational Health And Safety Of The Workers (In Lakhs)		
Items	Capital Cost	Recurring cost
Personal Protective Equipments (Mask, Gloves, Goggles) @35 workers	1.00	0.10
Medical Checkup facility, first aid and other welfare activities @20 workers	0.50	0.10
<b>Total</b>	<b>1.50</b>	<b>0.20</b>



**ENVIRONMENTAL MANAGEMENT PLAN**

<b>Particular</b>	<b>Total Cost Lakh</b>	
	<b>Capital</b>	<b>Recurring</b>
Water spraying system through water tanker	2.0	0.20
Dust Suppression through tanker over 0.500 km road * 5.0m (20Rs/km) Approx running per day 1.0km@300 day = 300km@20	-	0.06
Sub- Total	2.00	0.26
Maintenance of Plantation (Along the lease area) @ Rs 45/- per plant	-	1.0
Plantation (Capital cost) within lease area	30.00	
Sub- Total	30.00	1.00
Roads repair and maintenance (2.0km@1.0 lakh per Km)	-	2.00
Sub- Total	-	2.00
Occupational health and safety exp.	1.50	0.20
Total	1.50	0.20
Environmental Monitoring cost	7.70	7.80
Sub- Total	7.70	7.80
Fencing around the lease periphery 4505m@300/-	13.52	2.25
Sub- Total	13.52	2.25
Total	54.72	13.51
CSR cost	5.00	5.20
Sub- Total	5.00	5.20
Grand Total	59.72	18.71

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 Dhari No. 1 Latertie, Ochre and White Clay mine , Lease Area 46.761 Ha, Khasra No. 314/1K, 314/1Kh, 314/1G, 314/2, 314/3, 314/5, 323, 324/337, 323/338, 323/339, 323/340, 323/341, 323/342, 323/343, 326, at Village –Dhari No. 1 Teh-Beohari, Distt-Shahdol-(M.P), capacity 1,800TPA 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. If any tree up-rooting is proposed necessary permission from the competent authority should be obtained for the same before Bhu Pravesh.
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. No blasting is permitted as per the approved mine plan and submissions made by the PP during presentation.
9. 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 and transportation road to provide additional protection in one year only.
10. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 12,000 no's of trees in the ML are will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
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 / other utilization 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 690.0 X 1.00 X 1.50 , 775.0 X 1.00 X 1.50 , 340.0 X 1.00 X 1.50 , 730.0 X 1.00 X 1.50 , 700.0 X 1.00 X 1.50 , 405 X 1.00 X 1.50 shall be connected with 20 settling pits should be provided to avoid silt discharge. Three settling tanks (0.14ha X 5m, 0.31ha X 5m , 0.81ha x 5m 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 2000 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>CONCEPTUAL PLAN</b>		
<b>Items</b>	<b>Existing</b>	<b>At the end of lease period</b>
Total lease area	46.761 ha	
Ultimate depth of mining	2m	5m bgl (350 mRL)
Area under dumps	0.0302 ha	1.2504 ha
Area under pits	0.3742 ha	3.10ha
Afforestation	0.15 ha	6.15ha
Road	0.1235 ha	0.20 ha
Infrastructure	Nil	Nil
Area rehabilitated through water body	0.15 ha	2.50ha

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. 54.72 lacks and Rs. 13.51 lacks /year are proposed as recurring expenses out of which Rs. 30 lacks is proposed for green belt development and Rs. 1.0 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
  24. Under CSR activity, Rs. 5.0 lacks and Rs. 5.20 lacks /year are proposed as recurring expenses in different activities and 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. 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. - 5640/2017 Shri Pawan Pandey, 10, Singhai Colony, Dist. Katni, MP Prior Environment Clearance for Limestone and Dolomite Mine in an area of 2.10 Ha. (Limestone - 10,080 Ton per Annum, Dolomite - 24,848 Ton per Annum) (Khasra no. 475) at Village- Nanhwara, Tehsil - Badwara, Dist. Katni (MP).**

This is case of Limestone and Dolomite Mine. The proposed site is located at (Khasra no. 475) at Village- Nanhwara, Tehsil - Badwara, Dist. Katni (MP) 2.10 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. 1592 dated 24/1/2018.

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

<b>FOR MINING PROJECTS</b>		
S.no.	Particular	Details
1	Name of the project & its location	: <b>2.10ha Nanhwara Limestone and Dolomite mine</b> Khasra No. 475 Village- Nanhwara, Tehsil- Badwara, Dist- Katni (MP)
2	Name of the Company, Address Tele No. & E-mail	Pawan Pandey 10, Singhai Colony, Katni (MP)
3	Latitude and Longitude of the project	23° 41' 59.57" to 23° 42' 1.26" North 80° 31' 56.71" to 80° 31' 55.68" East
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc	Running mine, area – 2.10ha, Pvt. land connectivity-Badwara- Rupond road
6	Whether the project is in the Critically Polluted Area (CPA):	No
7	Cost of the project	20.0 lakh
8	Employment generated/to be generated	20
9	Benefits of the project:	Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from ..... MT to ..... MT ii What is the % of expansion	NA
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	NA
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	NA
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	NA
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	NA
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)	NA
16	Type of Mine: (Open cast/Underground/mixed):	Opencast

17	Capacity of the mine applied for	24,848TPA Limestone and Dolomite
18	ML Area i. As per block allotment ii. As per approved mine plan	2.10ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan approval date 7.05.2017
20	Date of Board's approval:	NA
21	Date of Ground water clearance	NA
22	Date of mine closure approval	NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost	ToR stage
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions	ToR stage
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	No

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.
2. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer with pictorial and documented proof.
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. 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.
10. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
11. 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.

12. 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.
  13. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
  14. The EIA document shall be printed on both sides, as far as possible.
  15. All documents should be properly indexed, page numbered.
  16. Period/date of data collection should be clearly indicated.
  17. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
  18. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
  19. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
  20. Grant of TOR does not mean grant of EC.
  21. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
  22. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
  23. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
6. **Case No. - 5634/2017 M/s Rawell Mining Corporation, Rawell Building, Plot No. 18, New Ramdaspath, Nagpur, Mah Prior Environment Clearance for Manganese Ore Mine in an area of 5.859 Ha.. Production Capacity expansion from 600 TPA to 6,673 TPA (Khasra no.11/1, 11/3, 12, 15/1, 15/2) at Village- Ranpeth Damami, Tehsil - Sausar, Dist. Chhindwara (MP).**

This is case of Manganese Ore Mine. The proposed site is located at (Khasra no.11/1, 11/3, 12, 15/1, 15/2) at Village- Ranpeth Damami, Tehsil - Sausar, Dist. Chhindwara (MP) 5.859 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. 1562 dated 18/01/18.

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

FOR MINING PROJECTS		
S. no.	Particular	Details
1	Name of the project & its location	: <b>5.859ha Ranpeth Damani Manganese ore mine</b> Khasra No. 11/1, 11/3, 12, 15/1 & 15/2 Village- Ranpeth Damani, Teshil Sausar, Dist Chhindawara (MP)
2	Name of the Company, Address Tele No. & E-mail	M/s Rawell Mining Corporation, Rawell Building, Plot No. 18, 190, Ramdaspeth, Nagpur (MH)
3	Latitude and Longitude of the project	21 <sup>0</sup> 43'08.3" to 21 <sup>0</sup> 43'21.8" N 78 <sup>0</sup> 47'18.6" to 78 <sup>0</sup> 47'27.0" E
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc	Running mine, area – 5.859ha, Pvt. Land connectivity-Chhindwara- Nagpur SH
6	Whether the project is in the Critically Polluted Area (CPA):	No
7	Cost of the project	40.0 lakh
8	Employment generated/to be generated	30
9	Benefits of the project:	Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from ..... MT to ..... MT ii What is the % of expansion	Expansion 600 TPA to 6673TPA, 11%
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	Compliance report submitted to MoEF&CC
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	NA



	EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)	NA
16	Type of Mine: (Open cast/Underground/mixed):	Opencast
17	Capacity of the mine applied for	<b>Mn ore</b>
18	ML Area i. As per block allotment ii. As per approved mine plan	5.859ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan approval date 15.11.2016
20	Date of Board's approval:	NA
21	Date of Ground water clearance	NA
22	Date of mine closure approval	NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost	ToR stage
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions	ToR stage
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	No

During presentation it was observed that: 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.
2. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer with pictorial and documented proof.
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. 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.
10. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
11. 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.
12. 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.
13. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
14. The EIA document shall be printed on both sides, as far as possible.
15. All documents should be properly indexed, page numbered.
16. Period/date of data collection should be clearly indicated.
17. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
18. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
19. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
20. Grant of TOR does not mean grant of EC.
21. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
22. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
23. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986

and also have NABL accreditation.

**7. Case No. - 5628/2017 M/s RMG Super Mines Pvt. Ltd, 33, Jagaran Bhawan, Press Complex, M.P.Nagar, Bhopal, MP Prior Environment Clearance for Iron Ore, Laterite, Clay & Ochre Mine in an area of 4.54 Ha.. (1,71,689 ton per annum) (Khasra no.93) at Village- Dhamdha, Tehsil - Sihora, Dist. Jabalpur (MP).**

This is case of Iron Ore, Laterite, Clay & Ochre Mine. The proposed site is located at (Khasra no.93) at Village- Dhamdha, Tehsil - Sihora, Dist. Jabalpur (MP) 4.54 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. 1499 dated 10/1/2018.

Earlier this case was scheduled in 306<sup>th</sup> SEAC meeting dated: 27/01/2018 wherein Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

FOR MINING PROJECTS		
S. no.	Particular	Details
1	Name of the project & its location	: <b>4.54ha Dhamdha Iron ore, Laterite, Ochre and Clay mine</b> Khasra No. 93 Village- Dhamdha, Teshil Sihora, Dist Jabalpur (MP)
2	Name of the Company, Address Tele No. & E-mail	M/S RMG Super Mines Pvt. Ltd. Jagaran Bhawan, 33, Press Complex, M. P. Nagar, Zone-I, Bhopal (MP)
3	Latitude and Longitude of the project	23° 22' 14.1" to 23° 22' 28.7" North 80° 02' 33.6" to 80° 02' 44.1" East
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc	Running mine, area – 4.54ha, Govt. Land connectivity-NH-7
6	Whether the project is in the Critically Polluted Area (CPA):	No
7	Cost of the project	80.0 lakh
8	Employment generated/to be generated	40

9	Benefits of the project:	Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from ..... MT to ..... MT ii What is the % of expansion	Expansion
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	NA
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	NA
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	NA
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)	NA
16	Type of Mine: (Open cast/Underground/mixed):	Opencast
17	Capacity of the mine applied for	Iron ore, Laterite, Ochre and clay
18	ML Area i. As per block allotment ii. As per approved mine plan	4.54ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan approval date 09.02.2017
20	Date of Board's approval:	NA
21	Date of Ground water clearance	NA
22	Date of mine closure approval	NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost	ToR stage
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions	ToR stage
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	No

During presentation it was observed that: 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.
2. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer with pictorial and documented proof.

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. 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.
10. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
11. 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.
12. 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.
13. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
14. The EIA document shall be printed on both sides, as far as possible.
15. All documents should be properly indexed, page numbered.
16. Period/date of data collection should be clearly indicated.
17. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
18. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
19. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
20. Grant of TOR does not mean grant of EC.
21. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
22. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated.

The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.

23. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

**8. Case No. - 5632/2017 M/s Navin Fluorine International Limited, 2nd Floor, Suntech Centre, 37/40, Subhash Road, Vile Parle-E, Mumbai Prior Environment Clearance for Proposed Production Capacity of Manufacturing Unit of Chemicals and Drugs Intermediates. Total Land Area: 37452.1 sq.m. Proposed area: 9254 sq.m. Production Capacity: 6272 MT/annum, Spent Acid- 7500 TPA, at Plot No. 1, 2-2A, Dewas Industrial Area, Tehsil & Dist. Dewas, MP.**

This is case of Prior Environment Clearance for Proposed Production Capacity of Manufacturing Unit of Chemicals and Drugs Intermediates. Total Land Area: 37452.1 sq.m. Proposed area: 9254 sq.m. Production Capacity: 6272 MT/annum, Spent Acid- 7500 TPA, at Plot No. 1, 2-2A, Dewas Industrial Area, Tehsil & Dist. Dewas, MP.

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

FOR industry PROJECTS			
S. no.	Particular		Details
1	Name of the project & its location	:	Capacity expansion in manufacturing Of Chemicals and Drugs Intermediates PLOT NO. 1 & 2-2A, NEW INDUSTRIAL AREA 02, AB ROAD DEWAS MADHYA PRADESH
2	Name of the Company, Address Tele No. & E-mail		M/S. Navin Fluorine International Limited, 2 <sup>nd</sup> Floor, Suntech Centre, 37/40, Subhash Road, Vile Parle (East) Mumbai 400057
3	Latitude and Longitude of the project		Latitude 22.930850° N and Longitude 76.021048° E.
4	If a Joint venture, the names & addresses of the JV partners including their share		NA
5	Project brief: nature of proposal		Expansion, 47 Acres (1,85,030 Sq Meter)

	(new/expansion,) total area-land use, project components, connectivity to the site etc	6272 MT/Annum of chemicals and drug intermediate
6	Cost of the project	6.37 Crores
7	Whether the project is in the Critically Polluted Area (CPA):	NA
8	If the project is for EC under EIA Notification, 2006	
a)	For the first time appraisal by EAC	Yes for ToR
(i)	Date of ToR:	NA
(ii)	Date of Public Hearing, location	NA
(iii)	Major issues raised during PH and response of PP	NA
b)	Second appraisal	NA
(i)	Date of first /earlier appraisal	NA
(ii)	Details of the information sought by the EAC with the response of the PP.	NA
9	If the project involves diversion of forest land	NA
(i)	extend of the forest land	NA
(ii)	status of forest clearance	NA
10	If the project falls within 10 km of eco-sensitive area (i) Name of eco-sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life	NA
11	Waste Management	
(i)	Water requirement, source, status of clearance	The total water requirement for the project will be approx. 485 KLD which will be sourced from Welspun. Total waste water generation will be 373 KL/day which will be treated in ETP. The capacity of existing ETP is 45 KL/day for cGMP-1 and cGMP-2 and balance 290 KLD shall be installed phase wise to treat additional effluent before commissioning of cGMP Plant-3, cGMP Plant-4 and cGMP Plant-5
(ii)	Waste water quantity, treatment capacity, detail	Multi Effective Evaporator, ATFD and stripper column with treatment capacity 15 KL/Day have been installed and will be expanded phase wise to treat additional 107 KL/Day for upcoming project. The treated water will be used for cooling towers, floor washing and gardening/green belt.
(iii)	Recycling / reuse of treated water and disposal	The treated water will be used for cooling towers, floor washing and gardening/green belt
(iv)	Solid Waste Management	Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized

		TSDf facility, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 (Amendment 2016).
(v)	Hazardous Waste Management	HSD will used for the DG sets. The waste oil from DG set and machineries shall be stored in MS drums and shall be disposed of to authorized recyclers under direction of SPCB.
12	Other details	
(i)	Noise Modeling with noise control measures for airports	Details will be provided with EIA report.
(ii)	Details of water bodies, impact on drainage if ant	Details will be provided with EIA report.
(iii)	Details of tree cutting	Details will be provided with EIA report.
(iv)	Energy conservation measures with estimated saving	Details will be provided with EIA report.
(v)	Green belt development (20 % of construction projects and 33 % for others)	Existing: 19.33Acres (76,124 Sq Meter) with 5000 no. of plants. Proposed: 23.19 Acers with 7000 no of plants
(vi)	Parking requirement with provision made	Details given in EIA
13	If the project involves foreshore facilities	NA
(i)	Shoreline study	
(ii)	Dredging details, disposal of dredge material	
(iii)	Reclamation	
(iv)	Cargo handling with dust control measures	
(v)	Oil Spill Contingent Management Plan	
14	If the project involves Marine disposal	NA
(i)	NOC from PCB in case of marine disposal	
(ii)	details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9	Details given in EIA
(iii)	location of intake / outfall. Quantity,	
(iv)	detail of monitoring at outfall	
(v)	Any other relevant information	
15	Other information	
(i)	Investment/Cost of the project is Rs..... (in crore).	Existing : 95.44 Crore                      Proposed : 310 Crores
(ii)	Employment potential.....	As given in EIA
(iii)	Benefits of the project.....	Employment and CSR activities
16	Date of Ground water clearance	NA
17	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost	Existing : 8 Crore                                      Proposed : 24 Crores



18	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions	Existing: 19.33Acres (76,124 Sq Meter) with 5000 no. of plants. Proposed: 23.19 Acers with 7000 no of plants
19	Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details	Yes - Naggdhamman River – Adjacent

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

1. All the safety related aspects should be proposed in the EIA report.
2. A detail of emergency rescue plan is to be submitted in the EIA report.
3. Workers health survey report is to be submitted in the EIA report.
4. Site specific risk assessment study should be carried out and same should be submitted with EIA report with disaster management plan and residue details.
5. Detailed green belt plan with area, name of species and their number should be provided along with the inventory of existing trees in EIA report.
6. Worst case scenario with respect to Air, Water and hazardous waste should be discussed in the EIA report.
7. Detailed fire fighting arrangements proposed should be discussed in the EIA report.
8. If there is any sensitive area within 05 kms radius of the proposed project site, the proposed safety measures in case of any accident should be discussed in the EIA report.
9. Input and output of modeling data should be annexed with the EIA report.
10. Details of all construction and demolition waste material related to this expansion project should be submitted with the EIA report.
11. As per the site Google image, the old ETP is near to a natural drain (Naghdhavan Nallah) for which PP submitted that they have closed this treatment facility. The complete details of closure and existing condition of this ETP and natural drain shall be discussed in the EIA report with ground water survey of the area.
12. Cost benefit analysis should be carried out and discussed in the EIA report.
13. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
14. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
15. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.

16. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
  17. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
  18. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
  19. Details of Environmental Cell & CSR committee.
  20. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.
  21. The EIA document shall be printed on both sides, as far as possible.
  22. All documents should be properly indexed, page numbered.
  23. Period/date of data collection should be clearly indicated.
  24. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
  25. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
  26. Grant of TOR does not mean grant of EC.
  27. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
  28. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
  29. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
9. **Case No. - 5609/2017 M/s Devalum Industries, Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, (M.P.) - 452003 Prior Environment Clearance for Proposed LABSA and Detergent Liquid Soap Manufacturing at Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, (M.P.) - 452003 (EIA Consultant: M/s San Envirotech pvt.Ltd., Ahmedabad)**

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. Prior Environment Clearance for Proposed LABSA and Detergent Liquid Soap Manufacturing at Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, (M.P.) – 452003.

Earlier PP and their consultant presented the case for ToR before the SEAC in 301<sup>st</sup> SEAC meeting dated: 21/12/2017. The submissions and the presentation made by the PP and his consultant revealed following:

- Devalum Industries is located at Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, Madhya Pradesh.
- Devalum Industries is propose to start manufacturing of Detergent Soap Liquid (Non-EC Product) and Linear Alkyl Benzene Sulphonic Acid (LABSA) (LABSA: EC Product) at above location.
- The estimated cost for proposed project is around Rs. 60.0 Lakhs. Out of which 10.0 Lakhs will be used for environmental pollution control measures.
- Devalum Industries is a Sister Concern of “Dev Alum & Chemicals” and is located at Industrial Area, Sirlai Tehsil Barwaha, Dist. Khargone, Madhya Pradesh located at ~60 KM from Proposed Project Site.
- Having 20 years of experience in manufacturing of Ferric, Non-Ferric Alums and Ammonia Alums. Previously, Ferric, Non-Ferric Alums and Ammonia Alums were manufactured at the same location with the name of M/s. Dev Alum and Chemicals.
- This is a backward integration due to proposed manufacturing of LABSA slurry. LABSA will be used for captive consumption as an in-house “Detergent Soap Liquid Manufacturing (Non-EC Product)” as well as sell to various Detergent manufacturing units for detergent powder, detergent cake, liquid scouring powder or paste.
- Generated Spent Sulphuric Acid (70-80%) will be utilized by Sister Concern of “Dev Alum & Chemicals” and other Fertilizer Industries.
- Project Land is situated within the designated Notified Industrial Area at Sanwer Road, Indore.
- Proposed project will be a small scale and no Rehabilitation and Resettlement is involved.
- No wildlife sanctuary/National Park/Tiger Reserve falls within 10 km radius.
- Moratorium of Critically Polluted area lift off by MoEF CC wide is OM no. J-11013/5/2010-IA II (I), dated 20.05.2016.
- As per the EIA Notification-2006; Linear Alkyl Benzene Sulphonic Acid (LABSA) manufacturing activity is covered under 5(f) category, therefore prior EC is required.

## **Project Description**

Project	Linear Alkyl Benzene Sulphonic Acid (LABSA)
Location	Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, Madhya Pradesh.
Area for plant	9676.0 sq. ft. (As per the DIC Lease Deed)
Flue gas stacks	One, D.G. Set (100 KVA)
Process gas stacks	No process or flue gas stack except stand by D. G. Set
Type of Fuel & fuel consumption	HSD- 30 lit/hr
Power supply	Power supply from MPPCL Energy consumption: 35 KVA & stand by D.G. Set (1 x 100 KVA) in case of power failure.

**Connectivity & Surrounding Features of Study Area**

S. No.	Particular	Details	Remarks
1.	Villages	Bharasala	1.74 km (NNE)
		Tigaria Badshah	2.00 (SE)
		Kumerdi	3.44 (NE)
		Palakhedi	4.28 (WNW)
		Bada Bangarda	5.11 (WSW)
		Jakhia	5.76 (NE)
2.	River	Khan River	1.97 km (SE)
3.	Pond	Sirpur Talav	8.34 (SSW)
3	National Highway	NH-3	9.6 (E)
4	State Highway	-	-
5	Railway Line	Laxmi Nagar Railway Station	3.88 (SSE)
6	Railway Station	Indore Railway Station	7.09 (SE)
7	Airport	Indore Airport	6.67 (SW)
8	National Park/ Wildlife Sanctuary	-	-

**Distance of the project site from the Protected Areas (PAs)**

viz., National Park, Sanctuary, Tiger Reserve as per Wildlife Protection Act 1972; Eco-

sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986.

Location	Distance in Km	Direction w.r.t project location
Nr. Interstate Boundary (Rajasthan)	121.24	WNW
Forest Boundary	27.87	SSW
Yawal Wildlife Sanctuary	131.29	S
Toranmal Wildlife Sanctuary	167.27	SW
Satpura National Park	219.6	ESE
Air-Port	6.47	WSW

### Product Profile

S. No.	Name of Product	Quantity (MTPM)
1.	Detergent Soap Liquid (Non-EC Product)	8.0
2.	Linear Alkyl Benzene Sulphonic Acid (LABSA) (EC Product)	500
<b>By Product</b>		
1.	Dil. Sulphuric Acid (70-80%)	412

### List of Raw Material

S. No.	Name of Raw Materials	Quantity (MTPM)
<b>Detergent Soap Liquid – 8.0 MTPM</b>		
1.	LABSA	1.2
2.	Caustic	0.512
3.	Sodium Lauryl Ether Sulfate (SLES)	0.64
4.	Color	0.0016
5.	Perfume	0.0064
6.	NaCl	0.04
<b>Linear Alkyl Benzene Sulphonic Acid (LABSA) – 500 MTPM</b>		
1.	LAB	342.5
2.	H2SO4 (98%)	495

**Details of W/C & W/W generation**

S. No.	Break up	Water Consumption (lit/day)	Wastewater generation (lit/day)
I	Domestic	2000	1800
II	Gardening	9000	00
III	Industrial		
a.	Process	3000	00
b.	Cooling	2500	500
Total Industrial		5500	500
<b>Total (I + II + III)</b>		<b>16500</b>	<b>2300</b>
Recycle water		500	--
<b>Fresh water requirement</b>		<b>16000</b>	<b>--</b>

**Source of Wastewater**

There shall be no Wastewater generation from process. Generated bleed off of cooling tower will be utilized for process input. Hence no Industrial Effluent will be disposed off anywhere. Domestic Effluent will be disposed to soak pit.

The case was presented by the PP and their consultant in 301<sup>st</sup> SEAC meeting dated: 21/12/2017 wherein PP informed that this is an existing small scale unit and Dil. Sulphuric Acid (70-80%) will be produced as additional product. There shall be no Wastewater generation from process. Generated bleed off of cooling tower will be utilized for process input. Hence no Industrial Effluent will be disposed off anywhere. The Generated used lubricating oil and discarded drums and containers will be sold to MPPCB approved Register Vendors.

The committee after deliberations decided to issue standard TOR prescribed by MoEF&CC with following additional TORs:

1. Justify in EIA report how zero discharge will be maintained.
2. MoEF&CC compliance report of earlier EC conditions issued for SSP plant duly verified by the competent authority.
3. Justify in EIA report wrt to available space and proposed machinery for the new plant and other facilities.

4. Green belt plan with name of species, their numbers on layout map should be provided with the EIA report.
5. During monitoring sampling location will be properly scattered in the study area and atleast six ambient air quality monitoring stations and six ground water quality sample shall be selected.
6. Land use plan should be submitted with the EIA report.
7. 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.
8. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
9. 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.
10. 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.
11. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

PP has submitted the EIA report vide letter dated 12/02/2018 which was forwarded through SEIAA vide letter No. 1653 dated 15/02/2018.

The case was presented by the PP and their consultant wherein PP submitted that this will be zero discharge units as no wastewater generation is envisaged from the process. Generated bleed off of cooling tower will be utilized for process input and domestic Effluent will be disposed to soak pit. LABSA will be used for captive consumption as an in-house “Detergent Soap Liquid Manufacturing (Non-EC Product)” as well as sell to various Detergent manufacturing units for detergent powder, detergent cake, liquid scouring powder or paste. PP submitted that 02 tanks are proposed for storage of sulphuric acid out of which one is standby. During presentation it was suggested by the committee that minimum 10 workers shall be trained for the first aid for any emergency. During discussion PP submitted that no acid fumes will be generated during process as all the reactions will take place in closed reactors. It was also suggested by the committee that an integrated sensor based alarm system shall be provided by the PP to indicate any leakage of sulphuric acid from process and storage tanks. It was further suggested by the committee that acid proof dyke wall shall be provided all around the storage area.

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

1. Storage details of sulphuric acid and LAB.
2. Commitment for 10 workers training in first aid.
3. Risk assessment with mitigation measures for storage and handling of sulphuric acid and LAB.
4. Revised environmental monitoring plan with provision for safety management.
5. Commitment for plantation of local species such as polyalthia, Millingtonia, Cassia fistula, Ficus benghalensis etc in consultation with local forest officer.

PP vide letter no. SRF/PTH/SEAC/01 dated 07/11/2017 has submitted the reply of above queries which was found satisfactory and acceptable to the committee. Hence the case was recommended for grant of prior EC subject to the following special conditions:

1. The EC shall be valid for production of LABSA and Detergent Liquid Soap Manufacturing at Plot No. 166, Industrial Area, Sector-E, Sanwer Road, Indore, (M.P.) – 452003 as follows:

S. No.	Name of Product	Quantity (MTPM)
1.	Linear Alkyl Benzene Sulphonic Acid (LABSA)	500
<b>By Product</b>		
1.	Dil. Sulphuric Acid (70-80%)	412

**(A) PRE-CONSTRUCTION PHASE**

2. During any construction/plant erection activity, proper curtaining of site should be carried out to protect nearby areas.
3. For dust suppression, regular sprinkling of water should be undertaken.
4. PP will obtain other necessary clearances/NOC from respective authorities.
5. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

**(B) CONSTRUCTION PHASE**

6. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.



7. Fire extinguishers should be provided on site during construction/ plant erection period.
8. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
9. Waste construction material should be recycled as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
10. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 300 sq meter area will be developed as green belt. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
11. MSW of various labours generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
12. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

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

13. Total water requirement for the project (existing & expansion) shall not exceed 16.00 KLD.
14. The domestic waste water 1.8 KLD should be treated in soak pit.
15. No industrial effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
16. Hazardous wastes should be disposed off as per the authorization issued by MP Pollution Control Board.
17. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
18. An integrated sensor based alarm system shall be provided by the PP to indicate any leakage of sulphuric acid from process and storage tanks. Automatic smoke, heat detection system should also be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
19. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes. An acid proof dyke wall shall also be provided all around the storage area.

20. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
21. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
22. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
23. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
24. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
25. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
26. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.
27. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended, the Public Liability Insurance Act for handling of hazardous chemicals, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.
28. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
29. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
30. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

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

31. The proposed EMP cost is Rs. 10.00 lacks and Rs. 3.50 lacks/year are proposed as recurring expenses out of which Rs. 01.50 lacks is proposed for green belt development and Rs. 00.50 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
32. Under CSR activity, Rs. 1.50 lacks are proposed for the next 05 years in different activities and should be implemented through respective committees.

33. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell.
34. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
35. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
36. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
37. 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.

**10. Case No. - 5641/2017 M/s Indore Development Authority, 7, Race Course Road, Indore, MP – 452003 Prior Environment Clearance for Area Development of Scheme No. 166, Plot area 19,08,580 m<sup>2</sup>, Planned Area 15,74,580 m<sup>2</sup> Village - Tigaria Badshah, Chota Bangarda, Tehsil & District - Indore, MP.**

This is case of Prior Environment Clearance for Area Development of Scheme No. 166, Plot area 19,08,580 m<sup>2</sup>, Planned Area 15,74,580 m<sup>2</sup> Village - Tigaria Badshah, Chota Bangarda, Tehsil & District - Indore, MP.

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

S. No.	Particulars	Details
1	<b>Name of the project</b>	Area Development Project of Scheme No. 166 of Indore Development Authority.
	<b>Location:</b>	Tigaria Badashah, Chota Bangarda Indore (M.P.)
2	<b>Name of the Company,</b>	Indore Development Authority.
	<b>Address</b>	Indore Development Authority, 7 Race Course Road, Indore-452003, (Madhya Pradesh.)
	<b>Tele No.</b>	+91-731-2531312
	<b>E-mail :</b>	idaindore7@yahoo.co.in
3	<b>Latitude and Longitude of the project.</b>	22°45'40.98"N, 75°49'12.70"E 22°46'19.52"N, 75°49'11.82"E 22°45'24.15"N, 75°49'49.76"E

		<b>22°45'28.13"N, 75°48'27.80"E</b>			
4	<b>If a Joint venture, the names &amp; addresses of the JV partners including their share.</b>	Land is proposed for area development project (Scheme No. 166) as per Indore Development Plan - 2021 Indore Madhya Pradesh Public Semi Public (P.S.P.) use.			
5	<b>Project brief: nature of proposal (new/expansion,)</b>	New			
	<b>Total area - land use &amp; Project components</b>	<b>S. No.</b>	<b>Particulars</b>	<b>Area (in Hectare)</b>	
		1	Total Land Area of Scheme No. 166	190.858	
		2	Land transferred to Govt.	33.400	
		3	Area Available for Planning	<b>157.458</b>	
		4	Area under Master Plan road	20.61	
		5	Area of P.S.P. Plots	81.757	
		3	Area of Residential Plot	1.232	
		4	Area of Facilities (Bank, Restaurant, Daily Needs etc.)	0.438	
		5	Plot Area under coordination with Scheme No. 169- B	0.161	
		6	Area Under MPSEB	3.909	
		7	Area for Public Amenities (STP, Dry Waste, PUB, Toilet, OHT, etc.)	2.552	
		8	Area under Landscaping	15.746	
		9	Area For Parking	0.120	
		10	Area under Roads & Pathways	30.933	
		<b>S. No.</b>	<b>Connectivity</b>	<b>Name</b>	<b>Distance and Direction from the project site</b>
		1.	Road Connectivity	Super corridor Road	Approx. 1 km, West from the project site
		2.	Nearest Railway Station	Indore junction	Approx. 6.89 km, SE from the project site
		3.	Nearest Airport	Devi Ahilyabai Holkar Airport	Approx. 4.71 km, SSW from the project site
		4.	Nearest State /	Madhya Pradesh-	Approx. 111.76 km N from the

			National Boundary	Rajasthan Border  Gujrat Madhya Pradesh Boarder	-	Project site  Approx. 145 km W from the Project site.
6	<b>Cost of the project</b>	Rs. 318 Crores				
7	<b>Whether the project is in Critically Polluted area.</b>	No				
8	<b>If the project is for EC under EIA Notification, 2006</b>	Yes				
	<b>a) For the first time appraisal by EAC</b>	Yes				
	<b>(i) Date of ToR:</b>	(i) Applied for ToR				
	<b>(ii) Date of Public Hearing, location</b>	(ii) N.A.				
	<b>(iii) Major issues raised during PH and response of PP</b>	(iii) N.A.				
	<b>b) Second appraisal</b>	NO				
	<b>(i) Date of first /earlier appraisal</b>					
	<b>(ii) Details of the information sought by the EAC with the response of the PP.</b>					
9	<b>If the project involves diversion of forest land</b>	NO				
	<b>(i) extend of the forest land</b>	--				
	<b>(ii) status of forest clearance.</b>	--				
10	<b>If the project falls within 10 km of eco- sensitive area</b>	No Eco Sensitive Zone falls under 10 Km. radius of the project.				
	<b>(i) Name of eco- sensitive area and distance from the project site,</b>	---				
	<b>(ii) status of clearance from National Board for wild life</b>	---				

11	<b>Waste Management</b> <b>(i) Water requirement, source, status of clearance</b>	<b>(i) Approx. 4263 KLD Water requirement.</b> <b>Source: Indore Municipal Water supply</b>	
	<b>(ii) Waste water quantity, treatment capacity, detail</b>	<b>(ii) Total Waste Water Generation: 3861 KLD.</b> <b>Treatment capacity: 4 MLD STP.</b>	
	<b>(iii) Recycling / reuse of treated water and disposal</b>	Recycled water will be used for landscaping and miscellaneous purpose.	
	<b>(iv) Solid Waste Management</b>	Details are given below:	
<b>SOLID WASTE QUANTIFICATIONS</b>			
<b>S. No.</b>	<b>Category</b>	<b>Occupancy/Area</b>	<b>kg per capita per day</b>
1.	<b>Residents</b> General	1,155	@ 0.5 kg/day
	<b>Visitors</b>	58	@ 0.15 kg/day
	<b>Staff</b>	115	@ 0.25 kg/day
2.	<b>Mercantile</b>		
	Staff	82,516	@ 0.25 kg/day
	Visitors	16,503	@ 0.15 kg/day
5.	<b>Landscape Waste</b>	39.97 Acres	@ 0.2 kg/acre/day
	<b>TOTAL SOLID WASTE GENERATED</b>		
	<b>Bio-Medical Waste (@ 25% of Mercantile waste)</b>		
	<b>(v) Hazardous Waste Management</b>	<p>The hazardous wastes along with other wastes in the project will be used oil from DG sets ( construction phase only) , which is classified as per The Hazardous Waste Category 5.1 as per The Hazardous Wastes (Management &amp; Handling) Rules, 2016.</p> <ul style="list-style-type: none"> <li>▪ Used oil from DG sets will be stored in HDPE drums in isolated covered facility. This used oil will be sold to authorized recyclers. Suitable care will be taken so that spills/leaks of used oil from storage are avoided.</li> </ul>	
12	<b>Other details</b> <b>(i) Noise Modelling with noise control</b>	<b>(i) N.A.</b> --	

	<b>measures for airports</b>	
	<b>(ii) Details of water bodies, impact on drainage if any</b>	(ii) No water bodies passing through the project area
	<b>(iii) Details of tree cutting</b>	<b>No trees have been proposed to be cut in the project area.</b>
	<b>(iv) Energy conservation measures with estimated saving</b>	The project planning is under process all standards measures will be taken for the energy conservation.
	<b>(v) Green belt development (20 % of construction projects and 33 % for others)</b>	Area under Landscaping = 1,57,460 Sq.mt. Additional Green Area = All individual plots having their own green area as per the standard norms.
	<b>(vi) Parking requirement with provision made</b>	For plotted development, the parking shall be within the plots by plot owners. Parking Area Provided by IDA for Scheme No. 166 as per T & CP = 1200 Sq.mt. (0.120 Hect.) In this area mechanized parking will be proposed by IDA. Additional Mercantile Open Parking = $2,0191 / 25 = 807.6$ say 808 ECS
13	<b>If the project involves foreshore facilities</b> <b>(i) Shoreline study</b> <b>(ii) Dredging details, disposal of dredge material</b> <b>(iii) Reclamation</b> <b>(iv) Cargo handling with dust control measures</b> <b>(v) Oil Spill Contingent Management Plan</b>	N.A.
14	<b>If the project involves Marine disposal</b> <b>(i) NOC from PCB in case of marine disposal</b> <b>(ii) details of modeling study – details of outfall diffusers, number</b>	N.A.

	<p>of dilution expected, distance at which the outlet will reach ambient parameters 9</p> <p>(iii) location of intake / outfall.</p> <p>Quantity, (iv) detail of monitoring at outfall</p> <p>(v) Any other relevant information:</p>																											
15	<p><b>Other information</b></p> <p>(i) Investment/Cost of the project</p>	Rs.318 Crore																										
	<p>(ii) Employment potential</p>	200 Nos. (Approx.)																										
	<p>(iii) Benefits of the project</p>	<p>The Area Development Project to be developed by M/s Indore Development Authority. The project is being designed to be a self-sufficient which offers amenities that exhibit a modern lifestyle at par with international standards.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Amenities to be developed.</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>World Class Medical Facilities.</td> </tr> <tr> <td>2.</td> <td>Restaurant, Cafeteria, Pub etc.</td> </tr> <tr> <td>3.</td> <td>Facilities of Daily Needs.</td> </tr> <tr> <td>4.</td> <td>Bank, ATM.</td> </tr> <tr> <td>5.</td> <td>Public Toilet.</td> </tr> <tr> <td>6.</td> <td>Police Station.</td> </tr> <tr> <td>7.</td> <td>Parking Facility</td> </tr> <tr> <td>8.</td> <td>Underground Sewage System.</td> </tr> <tr> <td>9.</td> <td>Common Sewage Treatment Plant.</td> </tr> <tr> <td>10.</td> <td>Fire Brigade.</td> </tr> <tr> <td>11.</td> <td>Over Head Tank.</td> </tr> <tr> <td>12.</td> <td>Electrification.</td> </tr> </tbody> </table>	S. No.	Amenities to be developed.	1.	World Class Medical Facilities.	2.	Restaurant, Cafeteria, Pub etc.	3.	Facilities of Daily Needs.	4.	Bank, ATM.	5.	Public Toilet.	6.	Police Station.	7.	Parking Facility	8.	Underground Sewage System.	9.	Common Sewage Treatment Plant.	10.	Fire Brigade.	11.	Over Head Tank.	12.	Electrification.
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		13.	Solid Waste Management Site.
16	<b>Date of Ground water clearance:</b>	N.A.	
17	<b>Cost of proposed EMP and CSR (with detailed components &amp; proposed activities) with capitol cost and recurring cost.</b>	It is an area development project of Indore Development Authority and CSR will be decided as per the IDA (Govt. of M.P.) norms. All EMP cost estimation is under process and it will be submitted with the EIA presentation.	
18	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	Total green area measures 1,57,460 m <sup>2</sup> i.e. 10.00 % of the plot area which will be in the form of Herbs & Shrubs , Avenue plantation , Shelter belt and water body within the project. Trees like <i>Azadirachta indica</i> , <i>Delonix regia</i> , <i>Jacaranda mimosifolia</i> , etc. and flowering and ornamental plants have been proposed to be planted inside the premises. No. of proposed trees & budgetary provision for the same will be submitted with the EIA report. The following table indicates the list of trees to be planted within the project.	
19	Any river/Nallah flowing near or adjacent to the proposed project. If yes, please give details.	No water bodies passing through the project area Tigaria Badshah Talab: 0.16 KM. (E) Sirpur Tank 5.67 KM. (SW)	

The case was presented by the PP and their consultant during committee asked PP about any construction activity on site for which PP submitted that they have not initiated any construction activity except plantation and some road development and is submitted an undertaking today. After deliberations committee recommends issuing standard TOR as prescribed by the MoEF & CC for conducting EIA studies be issued along with following additional TOR's:

1. If any tree felling is involved same should be detailed out in the EIA report with number of trees and scheme of compensatory plantation.
2. Details of all the litigations/court cases shall be provided in the EIA report with decisions of the Hon'ble Court and compliance made by the PP.
3. Minimum 06 AAQM and GWQM locations shall be considered for monitoring and all the monitoring shall be carried out in consultation with the concerned regional officer.
4. All the pollution loads should be calculated considering proposed commercial activities and visitors' population.
5. Explore the possibility of using high volume cement for construction of CC roads in the project.

6. Storm water drainage system should be proposed and discussed in the EIA report.
7. Details of avenue plantation and green belt development plan should be discussed in the EIA report with proposed financial provision.
8. 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.
9. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
10. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
11. Details of Environmental Cell & CSR committee.
12. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.
13. The EIA document shall be printed on both sides, as far as possible.
14. All documents should be properly indexed, page numbered.
15. Period/date of data collection should be clearly indicated.
16. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
17. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
18. Grant of TOR does not mean grant of EC.
19. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
20. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
21. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

**11. Case No. - 5635/2017 Shri Pooran Lal Vishwakarma, R/o Jalpa Devi Ward, Gautam Lane, Katni, MP Prior Environment Clearance for Bauxite Laterite and Fireclay Mine**

**in an area of 4.69 Ha.. (1,00,000 ton per annum) (Khasra no.404, 413, 414, 415, 416, 417, 418) at Village- Tikariya, Tehsil - Murwara, Dist. Katni (MP)**

This is case of Bauxite Laterite and Fireclay Mine. The proposed site is located at (Khasra no.404, 413, 414, 415, 416, 417, 418) at Village- Tikariya, Tehsil - Murwara, Dist. Katni (MP) 4.69 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.1564 dated 18/01/2018.

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

S, No	Particulars	Details
1	Name of the project & its location:	Tikariya Bauxite, Laterite and Foreclay Mines of 4.69 ha at Khasra No. <b>404, 413, 414, 415, 416, 417, 418</b> village Tikariya , Tehsil – Murwara, District Katni (M.P.)
2.	Name of the Company, Address Tele No. & E-mail :	Shri Pooranlal Vishwakarma Jalpadevi Ward, P.O. Katni District Katni (M.P.) – 483501 Mob. No. 9893058758 Email: vishwakaramamingco@yahoo.com
3	Latitude and Longitude of the project	<b>23<sup>o</sup>44'01.6" to 23<sup>o</sup>43'56.5" N</b> <b>80<sup>o</sup>24'18.3"to 80<sup>o</sup>24'12.5" E</b>
4	If a Joint venture, the names & addresses of the JV partners including their share	Shri Pooranlal Vishwakarma - Leasee (Individual Leasee)
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	Tikariya Bauxite, Laterite and Foreclay Mines of 4.69 ha is a existing mine. The nearest village is Tikariya at 1.0 km, NH-7 is 8.0 km from mine. The mine is connected by Niwar-Tikariya Village Road to Niwar – Piprod then NH-7 by Tar Road.
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:	25 Nos.
9	Benefits of the project:	The District will get the revenue in from of royalty from mine, and employment is being generated.
10	Whether new or expansion	It's a new proposal for EC for the existing mine, The mine has

	project .If expansion:	Consent under water & Air Acts from MPPCB till March 2016
11	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF.	Not applicable
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	Not applicable
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority.	Applied for approval of TOR
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	Not applicable
15	If the project was considered in EAC, Pl. gives dates of the meeting (s).	The case is considered for approval of TOR in 307 <sup>th</sup> SEAC meeting dtd. 23/02/2018
16	Type of Mine: (Open cast/Underground/mixed):	Open cost
17	Capacity of the mine applied for	Capacity- 100000 ton/annum – Bauxite, Latrite and Fireclay
18	ML Area i. As per block allotment ii. As per approved mine plan	ML area is 4.69 ha
19	Date of approval of mine plan, mine closure plan, status & date	Scheme of mining Approved by IBM vide letter No. 1560 dtd. 13/03/2014
20	Date of Board's approval:	Not applicable
21	Date of Ground water clearance:	Not applicable as only 7.5 kld water required in mines and source of water is mine pit water.
22	Date of mine closure approval	Mine is operative mine and mine closure plan shall be submitted later on.
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.	Budget for EMP is proposed Rs. 1,25,000.00 per year and budget for CSR will be Rs, 1,60,000.00 per year.
24	Number of plantation with name of species proposed in area allotted for plantation with budgetary provision.	2500 Nos of plants & species of Mango, Neem , Karanj, Subabool , Pipal, etc. shall be planted in 1.5 ha area in ML

25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	No
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During presentation it was observed that: 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.
2. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer (with documentary and pictorial proof).
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. 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.
10. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
11. 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.
12. 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.
13. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
14. The EIA document shall be printed on both sides, as far as possible.
15. All documents should be properly indexed, page numbered.
16. Period/date of data collection should be clearly indicated.
17. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.

18. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
19. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
20. Grant of TOR does not mean grant of EC.
21. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
22. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
23. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

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

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

Earlier this case was again scheduled for presentation in 304<sup>th</sup> SEAC meeting Dated: 15/01/2018 wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. 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.

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

**13. Case No. - 5644/2018 M/s RSPL Limited, C-1, 2 & 3, 3rd Floor, PP Tower "A", Netaji Subhash Place, Wazirpur, Pitampura, Delhi. Prior Environment Clearance for Expansion in Optical Brightener Agent (OBA) Plant from 3000 MTPA to 8400 MTPA in existing premises at Plot no. 42 to 59 Sector-K Sidhgawan, IIDC Growth Center District-Sagar MP.**

This is case of Prior Environment Clearance for Expansion in Optical Brightener Agent (OBA) Plant from 3000 MTPA to 8400 MTPA in existing premises at Plot no. 42 to 59 Sector-K Sidhgawan, IIDC Growth Center District-Sagar MP.

Sr. No.	Description	Details		
1	Name of the project & its location:	<b>Project Name:</b> Expansion in Optical Brightener Agent (OBA) Plant from 3000 MTPA to 8400 MTPA in Existing Premises <b>Location:</b> Plot Nos. 42 to 59, Sector - K, Sidhgawan Village, IIDC Growth Center, District -Sagar, MP. Site Location map on Google is given in <b>Annexure 1.</b>		
2	Name of the Company, Address Tele No. & E-mail	M/s. RSPL Limited <b>Address:</b> Plot No. 119-121 (part), Block P & T, Fazalganj, Kalpi Road, Kanpur-208012 Telephone No – 09313159502 <b>Email-</b> himanshu.tilwankar@rsplgroup.com		
3	Latitude and Longitude of the project.	Sr. No.	Latitude	Longitude

		<table border="1"> <tr> <td>A</td> <td>23°53'31.08"N</td> <td>78°51'0.67"E</td> </tr> <tr> <td>B</td> <td>23°53'41.89"N</td> <td>78°50'58.91"E</td> </tr> <tr> <td>C</td> <td>23°53'42.71"N</td> <td>78°51'5.27"E</td> </tr> <tr> <td>D</td> <td>23°53'31.75"N</td> <td>78°51'7.09"E</td> </tr> </table> <p>Site Location map on Google is given in <b>Annexure 1</b>.</p>	A	23°53'31.08"N	78°51'0.67"E	B	23°53'41.89"N	78°50'58.91"E	C	23°53'42.71"N	78°51'5.27"E	D	23°53'31.75"N	78°51'7.09"E
A	23°53'31.08"N	78°51'0.67"E												
B	23°53'41.89"N	78°50'58.91"E												
C	23°53'42.71"N	78°51'5.27"E												
D	23°53'31.75"N	78°51'7.09"E												
4	If a Joint venture, the names & addresses of the JV partners including their share.	Not Applicable. It's a private Limited Company.												
5	<p>Project brief:</p> <ul style="list-style-type: none"> <li>nature of proposal (new/expansion,)</li> <li>Total area- land use,</li> <li>project components, connectivity to the site etc.</li> </ul>	<p>This is an existing project, located at IIDC Growth Centre Sidhgawan, District Sagar, M.P. Presently we are manufacturing Detergent Cake, Detergent Powder, AcidSlurry &amp; Optical Brightening Agent (OBA). Now we have proposed to expand the OBA from 3000 MTA to 8400 MTA and capacity of all other products will remain same.</p> <ul style="list-style-type: none"> <li>Nature of the Project – Expansion</li> <li>Total Plot Area – 62000 sq.m (Existing – 44000 sq.m + Additional – 18000 sq.m.)</li> <li>Site layout map with Land use, project components and site connectivity is given in <b>Annexure-2</b>.</li> </ul>												
6	Cost of the project.	Total INR - 145.45 Crore (Existing- 87.33 Cr, Proposed- 58.12 Cr)												
7	Whether the project is in Critically Polluted area	No												
8	If the project is for EC under EIA Notification, 2006													
a)	<p>For the first time appraisal by EAC</p> <p>(i) Date of ToR:</p> <p>(ii) Date of Public Hearing, location</p> <p>(iii) Major issues raised during PH and response of PP</p>	We have submitted our application to SEIAA, MP on 20.01.2018, and this is the presentation for ToR.												



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	The proposed project is situated in Industrial Area Sidhgawan, District Sagar, MP, hence does not involves diversion of forest land etc.
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	The proposed project is situated in Industrial Area Sidhgawan, District Sagar, MP & There is no eco-sensitive area falls within 10 km radius of the project site.
11	<b>Waste Management:</b>	
i	Water requirement, source, status of clearance	Water requirement, source and status of clearance are given in <b>Annexure 3</b> .
ii	Waste water quantity, treatment capacity, detail	Details of wastewater generation and treatment facility with capacities are presented in <b>Annexure 4</b> .
iii	Recycling / reuse of treated water and disposal	Details of recycling and reuse of treated water is presented in water budget given in <b>Annexure 3</b> .
iv	Solid Waste Management	Details of Solid Waste Management are presented in <b>Annexure 5</b> .
v	Hazardous Waste Management	Details of Hazardous Waste Management are presented in <b>Annexure 6</b> .
12	<b>Other details:</b>	
i	Noise Modeling with noise control measures for airports	Not Applicable, since it is not an airport project.
ii	Details of water bodies, impact on drainage if any	Since there will be no discharge from our premises, hence we do not anticipate any adverse impact on nearby water bodies. However a detailed study will be presented in our EIA Report.
iii	Details of tree cutting	There is no tree cutting involved in the proposed project.
iv	Energy conservation measures	We will take all adequate energy conservation

	with estimated saving	measures to save the energy. The details of which will be submitted in EIA report. We estimate that we will be able to save about 5-10% of electricity as compared to conventional process.
v	Green belt development (20 % of construction projects and 33 % for others)	Total Greenbelt Area is 14,682 sq.m (23.68% of the total plot area)
vi	Parking requirement with provision made	We anticipate a maximum parking of about 10 trucks at a time for which we have made a provision. Similarly, parking for staff two wheelers and four wheelers has also been made.
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	The proposed project does not involve foreshore facilities.
14	If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9 (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information:	The proposed project does not involve Marine Disposal.
15	<b>Other information:</b>	
i	Investment/Cost of the project is Rs (in crore)	Total INR - 145.45 Crore (Existing- 87.33 Cr, Proposed- 58.12 Cr)
ii	Employment potential	No of Employee - 350 nos.
iii	Benefits of the project	There will be direct and indirect job opportunities created by the project during both, the operation as

		well as construction phases.
16	Date of Ground water clearance	Applied for CGWA Clearance on 28.03.2017, and is under process.
17	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost.	Cost of EMP including capital & recurring cost and Budget for CSR activities will be Provided in EIA study.
18	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	Details of plantation with budgetary cost will be provided in EIA study.
19	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	Not Applicable

The case was presented by the PP and their consultant wherein PP submitted that the project is located in Industrial Area Sidhgawan, Sagar which is in existence since 1991. There is no agriculture land, forest land or any water body in the area. No national park, sanctuary or any eco sensitive area exists within 10 kms radius. The nearest railway station is Makronia at 4.9 kms in SW and the nearest airport is Jabalpur at 145 km. N.H.-86 passes at 1.98 kms in W direction. That the proposed plant is located in industrial area Sidhgawan, Sagar and the existing unit is in operation. For the existing unit, public hearing was already conducted three year back hence Public Hearing may be exempted in this expansion case as the plant is located in an industrial area. Also it was requested by PP that they have already conducted environment monitoring for post monsoon season and the available environmental data may be allowed for use in the EIA.

The committee after deliberations decided to issue standard TOR prescribed by MoEF&CC with following additional TORs:

1. Justify in EIA report how zero discharge will be maintained.
2. MoEF&CC compliance report of earlier EC conditions.
3. Available baseline data can be used in the EIA but data should not be older than 02 years. All data used has to be validated by approved Laboratory.
4. Justify in EIA report wrt to available space and proposed machinery for the new plant and other facilities.

5. Green belt plan with name of species, their numbers on layout map should be provided with the EIA report.
6. Land use plan should be submitted with the EIA report.
7. 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.
8. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
9. 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.
10. 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.
11. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
12. The EIA document shall be printed on both sides, as far as possible.
13. All documents should be properly indexed, page numbered.
14. Period/date of data collection should be clearly indicated.
15. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
16. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
17. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
18. Grant of TOR does not mean grant of EC.
19. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
20. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
21. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the

samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

**DISCUSSION ON QUERY RESPONSE SUBMITTED BY PP OR THE PROJECT ISSUES RECEIVED FROM SEIAA / PENDING FROM A LONG TIME FOR WANT OF DESIRED INFORMATION**

**14. Case No.-5499/2016 Arunesh Pratap Singh Baghel, P.O. Vijayraghgarh, Dist. Katni, MP (SIA/MP/MIN/5747/15). Prior Environment Clearance for Limestone & Dolomite Mine in an area of 5.958 ha. (1,70,000 TPA) (Khasra no. 55, 63/1, 64, 65, 66, 67, 68) at Village- Jamuani Khurd, Tehsil - Vijayraghgarh, Dist. Katni (MP). (EIA CONSULTANT: M/s Aplinka Solutions & Technologies Pvt. Ltd. Noida)**

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. 55, 63/1, 64, 65, 66, 67, 68, Village- Jamuani Khurd, Tehsil - Vijayraghgarh, Dist. Katni (MP) 5.958 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was discussed in 67<sup>th</sup> SEAC-II meeting dated 07/02/2017, wherein it was observed that being it's a case of major mineral committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
6. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.
7. Year wise details of minerals already excavated till date should be submitted with EIA report.
8. PP has to submit the lease validity extension certificate along with EIA report.
9. Atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.

10. Hydro geological study should be carried out if ground water intersection is proposed.
11. Free silica study should also incorporate in EIA report.
12. Top soil management plan should be addressed in EIA report.
13. Input data of modeling should be addressed in EIA along with this all back up calculation.
14. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
15. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
16. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
17. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.

PP has submitted the EIA report vide letter dated 11/12/2017, which was forwarded by the SEIAA vide letter no.1356 dated 15/12/17.

PP and his consultant presented the salient features of the project, EIA, baseline data and the proposed EMP before the committee in the 305<sup>th</sup> SEAC meeting dated 16.01.2018.

1	Name of the project & its location	Jamuani Khurd Limestone & Dolomite Mine Village-Jamuani Khurd, Tehsil-Vijayraghgarh, District-Katni, State - Madhya Pradesh	
2	Name of the Company, Address Tele No. & E-mail :	<b>Shri Arunesh Singh Baghel</b> S/o Late Shri. Lal Rajendra Singh Baghel resident of Village & Tehsil: Vijayraghgarh; District: Katni; Madhya Prdaesh e-mail : pd_awasthi@rediffmail.com	
3	Latitude and Longitude of the project	<b>Jamuani Khurd Limestone &amp; Dolomite Mine</b>	
		<b>Latitude</b>	24°06'19.7" to 24°06'28.9" North
		<b>Longitude</b>	80°42'07.5" to 80°42'23.8" East
4	If a Joint venture, the names & addresses of the JV partners including their share	Not applicable	
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	Nature of proposal	New
		Total area- land use	5.958 ha. Waste Land
		Project components	<ul style="list-style-type: none"> <li>• The highest elevation of the lease area is 399.25m. RL in North West direction.</li> <li>• The lowest elevation is 396 m RL in south - east direction.</li> </ul>

		Connectivity	The lease area is approachable from district headquarter Katni and Maihar. Nearest Airport is Satna Airport – 52.7 Km in NE direction; Nearest Highway is NH-7 – 8.0 Km in NW direction and Nearest Railway station is Badanpur Railway Station – 12.80 km in ENE direction.
6	Whether the project is in the Critically Polluted Area (CPA):	No	
7	Cost of the project :	Rs 1.0 Crores	
8	Employment generated/to be generated	75	
9	Benefits of the project	The area surrounding the Mining site is economically backward. The project will give direct employment to 75 persons and indirect employment to another 50 persons. Local people will be preferred for providing job opportunity. Water reservoir created at final closure will also be used for Pisciculture purpose; Source of irrigation in nearby agriculture field; Source of artificial ground water recharge; and It will also attract birds and improve aquatic environment.	
10	Whether new or expansion project . If expansion: i from ..... MT to ..... MT ii What is the % of expansion	It is new mining lease area.	
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006	Not applicable, It is new mining lease area.	
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	Not applicable	
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	TOR letter no. No. 136/PS-MS/MPPCB/SEAC-II/M/TOR(67)/2017 Meeting dated 07-02-17	
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	Not applicable	
15	If the project was considered	Not applicable	

	in EAC, Pl. gives dates of the meeting (s)	
16	Type of Mine: (Open cast/Underground/mixed)	Open Cast
17	Capacity of the mine applied for	1,70,000 TPA
18	ML Area i. As per block allotment ii. As per approved mine plan	5.958 Ha 5.958 Ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan was approved from IBM - Jabalpur dated 04.11.2015
20	Date of Board's approval	Not applicable
21	Date of Ground water clearance	Not applicable
22	Date of mine closure approval	Mining plan was approved from IBM-Jabalpur dated 04.11.2015
23	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	<b>Water Bodies</b> <ul style="list-style-type: none"> <li>• Tons River -5.0 kmin North Direction</li> <li>• Jarjarar Nala – 1.9 Km in SE Direction</li> <li>• Chakdahi Nala - 6.1 Km in East Direction</li> <li>• Ghasru Nala - 10 Kmin North Direction</li> <li>• Mahanadi River - 12.5 Km in South Direction</li> </ul>

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

1. Copy of lease deed for a period of 08/09/1983- 07/09/2003.
2. No production is shown from 2006 for which PP submitted that mine is not in operation since the year 2006 for which a commitment should be submitted by PP.
3. Total production achieved from 1983 to 2006.
4. Litho log/bore log of any representative borehole in the ML area should be provided.
5. Details of reserve quantity estimation since inception of the mine.
6. Provision of de-watering of the mine pit and proposal for handling of accumulated sludge within ML area as from the Google image it can be seen that huge quantity of water is accumulated in the lease area.
7. In TOR compliance statement it is mentioned that no forest land is involved and on the other hand PP has attached divisional level commissioner's approval for involvement of forest land. Please Justify.
8. In chapter-3 Table 3.6 of EIA report the values of Ground water quality in GW 06 is shown as 66.78 mg/l while in the annexed analysis report (Annexure 06) the lab report is of 56.78 mg/l and thus need justification for difference.



9. Similarly, in chapter-3 table 3.6 the maximum and minimum values of total hardness reported for GW 04 between 163 to 252 mg/l. Please justify how in one sample range is reported in the EIA report.
10. Revised air modeling data because pollution load due to increase in traffic is not considered in the input modeling data and same should be incorporated in the modeling and cumulative incremental load should be provided.
11. Revised environmental monitoring cell as suggested by the committee.
12. Layout plan and design for providing the fixed types of sprinklers with budgetary provisions.
13. Photographs of the mine with pillar co-ordinates.
14. Revised CSR incorporating NASHA-MUKTI activity in the mine village area.
15. Revised EMP incorporating the budget for PPEs.
16. All the Lab analysis report to be submitted i.e. surface water, ambient and noise as same are not appended with the EIA report.
17. Copy of last consent letter of MP Pollution Control Board should be submitted.
18. Extension letter of lease deed till 2033.

PP has submitted the response of above quarries vide letter dated 01.02.2018 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 of mining for Limestone & Dolomite Mine in an area of 5.958 ha. (1,70,000 TPA) (Khasra no. 55, 63/1, 64, 65, 66, 67, 68) at Village- Jamuani Khurd, Tehsil - Vijayraghgarh, Dist. Katni (MP) subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed 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. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

8. 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 2700 trees will be planted by the side of the 0.35 Km of the Approach Road and in Open Land in Village JAMUANI KHURD.
9. 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 and species which are tolerant to pollution. As proposed in the landscape plan & EMP a minimum of 3300 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
10. Transportation of material shall be done in covered vehicles.
11. Transportation of minerals shall not be carried out through forest area.
12. 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.
13. Garland drains 2846 Sq.m. x 1.5m along with 03 settling tanks 20m x06m x03m should be provided to avoid silt discharge. Settling tanks should be connected with garland drains for proper sedimentation.
14. Dust suppression through tractor, mounted tractor should be provided on 350 meter long and 05 meter wide haul road (thrice in a day). However, regular water spraying should be practiced on 600 meter long and 06 meter wide transport road by fixed types of water sprinklers for dust suppression.
15. The existing and proposed land use plan of the mine is as follows:

S. No.	Particular	Existing (ha.)	5 years Period (ha.)	Mine life end (ha.)
1	Total area excavated (broken)	1.25	2.04	4.18
2	Area fully mined out (out of 1)	0.20	0.20	4.18
3	Area fully reclaimed/ Backfilled (out of 2)	Nil	0.20	1.48
4	Area rehabilitated out of 3 by afforestation (Out of 3)	NA	0.15	1.48

5	Area reclaimed by water harvesting	Nil	Nil	2.70
6	Total area under dumps/Mineral Stack	0.515	1.395	Nil
7	Area under active dumps	Nil	1.13	Nil
8	Area under Mineral stack	Nil	0.20	Nil
9	Area under Road	0.10	0.10	Nil
10	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	0.30	0.50	1.778
11	Area under infrastructure	0.05	0.05	Nil
12	Protected Bund and Drain	Nil	0.25	Nil

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

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

21. The proposed EMP cost is Rs. 19.20 lacks and Rs. 13.00 lacks /year are proposed as recurring expenses out of which Rs. 03.00 lacks is proposed for green belt development and Rs. 05.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
22. Under CSR activity, Rs. 05.00 lacks are proposed for the next 05 years in different activities with Rs. 05.00 lacks /year as recurring expenses and same should be implemented through respective committees.
23. 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.

24. 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.
25. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
26. PP will comply with all the commitments made vide letter dated 01/02/2018
27. 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.

**15. 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 matching. 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**

<b>Particulars</b>	<b>Details</b>
<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 in 304<sup>th</sup> SEAC meeting dated 15/01/2018 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 in 304<sup>th</sup> SEAC meeting Dated 15/01/2018 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 minor 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.

Today this case was placed before Committee as PP has submitted the letter of Joint Director, Panna Tiger Reserve, Panna vide no. 211 dated 29/01/2018. In the said letter it was clearly mentioned that the distance of Panna Tiger Reserve Core Zone is 15.27 kms from the GPS Co-ordinates of the Lease boundary. Committee after perusal of the submissions made by the PP observed that this QL area lies at distance of 15.27 kms from



the Panna Tiger Reserve thus it is beyond the 10 kms limits. Committee observed that in 304<sup>th</sup> SEAC meeting Dated 15/01/2018 it was discussed 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.

Committee after perusal of the submissions made by the PP and deliberations recommends to withdrawal the condition to obtain NBWL clearance (*“the grant of environment clearance should be subject to necessary wild life clearance from NBWL to be obtained by PP”*) for this project in the light of:

- (a) Letter issued by Joint Director, Panna Tiger Reserve, Panna vide no. 211 dated 29/01/2018 stating that the distance of Panna Tiger Reserve Core Zone is 15.27 kms from this site.
- (b) 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.

Other conditions will remain unchanged as recommended in SEAC-II in 79<sup>th</sup> SEAC-II meeting dated 13/06/17.

**16.Case No.-5266/2016 Shree Banshiwale Stone Crusher, Gwalior, MP – 474001. Prior Environment Clearance for Metal Stone Deposit in an area of 32.280 ha. (4,33,403 cum/year) at Khasra no.-865 Village-Gundhara, Tehsil - Gwalior, Dist. Gwalior (MP) Cat. 1 (a) Mining.FoR – EIA Presentation. Env. Cosultant - Creative Enviro Services, Bhopal (M.P.)**

This is case of Metal Stone Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-865, Village-Gundhara, Tehsil - Gwalior, Dist. Gwalior (MP) 32.280 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. Nil, dated: Nil, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

**Environment setting**

<b>Particulars</b>	<b>Details</b>
Locations	
Village	Gundhara
Tehsil	Gwalior
District	Gwalior
State	MP
Nearest National/state Highway	Gwalior- Mau Road - 10.50 km - W
Nearest Railway Station	Gwalior - 30 Km - SW
Nearest Airport/ Airstrip	Gwalior - 30 Km - SW
Nearest Tourist Place	None within 10km radius
Archaeological Important Place	None within 10 km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None within 10 km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Sirsod RF -2.5 km -SW Phusawali RF -1.5 km - S Devgarh RF - 7.15km - S
Nearest major city with 100000 population	Nil
Nearest village	Gundhara - 0.25 km – N
Nearest Town	None within 10km radius
Physiographic	Hilly
Elevation	218- 195M
Slope	Radial
Nearest River	Vaisali Nadi - 7.25km - WSW Bhadauna Nadi - 8.0km - W
Nearest nalla/ pond/canal	Local Nalla - 0.50km - W Local Nalla - 4.75km - S Village Pond - 0.20km - N
Nearest hill/valley	None within 10 km radius
No. of mine located with 500m radius	None
Elevation	Highest - 218m RL Lowest - 195m RL
Surrounding features	North – Waste land followed by habitation South – Agricultural land East- Agricultural land West – Agricultural land followed by Village road.

**Salient feature of the lease area**

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	32.280 ha
Mineable area	30.1650ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Existing backfilled area	Nil
Infrastructure and road	Nil
Plantation	Nil
Total geological Reserve	6578744 cubic meter
Total Movable Reserve	5726604 cubic meter
Method of mining	Semi- mechanized
Ultimate Depth of Mining	10m bgl (185m RL)
Expected Life of Mines	13 years
Stripping Ratio	1:0.2
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	30.1650 ha
Area to be reclaimed till conceptual period (By Backfilling )	Nil
Area to be rehabilitated by afforestation in conceptual period	4.20 ha
Area to be covered under water reservoir	28.00 ha
Ground water table	
Post monsoon	30m bgl (165m RL)
Pre monsoon	35m bgl (155 m RL)
Production per day (M <sup>3</sup> )	1445
Truck per day (14M <sup>3</sup> )	103
End user of mineral	Infrastructure and development project, road project

**GEOLOGY OF THE MINE**

Geology and deposit appraisal	
Area	32.280 ha
Lithology	Weathered siliceous loamy lateritic soil and murum: 1.5-2.0m ( average ) Metal stone/Boulder stone – 33m avg. Color- Grey to dark grey, Black

	Granularity – Medium grained Hardness- 5-6
Average thickness of Metal stone /Boulder Stone	33 m avg.
Recovery of reserves	98 %
Geological reserve (G2) category (90% recovery)	6447198 cube meter
Mineral resource (ore blocked in Barrier zone in cube meter )	455994 cube meter
Mineral resource ( maintaining the benches slope )	264600 cube meter
Probable Mineral Reserve	5726604 cube meter
Prefeasibility Mineral Resource (total block mineral)	720594 cube meter
Proposed Production	433403 cube meter
First five year production	2047860 cubic meter
Balance reserve after SOM period	3678744 cubic meter
Hence mine life (5+balance reserve/ Production )	$3678744 / 433403$ cube meter = $8.48+5 = 12.48$ say 13 Year
Height of bench and no.	1m -5m and 7 benches
Haul road gradient	1:16

### Post land use plan

Items	At present	At the end of SOM	At the end of conceptual period
<b>Total lease area</b>	<b>32.280 ha</b>		
Mineable area	30.1650 ha		
Ultimate depth of mining		10m bgl (185mRL)	10m bgl (185mRL)
Ultimate pit slope		45 °	45 °
Area under dumps	Nil	Nil	Nil
Area under pits	Nil	11.7776 ha	30.1650 ha
Area to be reclaimed	Nil	Nil	Nil
Infrastructure & Road	Nil	0.01 ha	Nil
Plantation	Nil	1.0ha	4.20ha
Water body	Nil	5.0ha	28.00 ha

The case was presented by the PP and their consultant in the 41<sup>st</sup> SEAC-II meeting dated:26/07/2016 and during presentation it was observed that the total area of lease is > 25 ha thus it was decided to consider this case as B-1 and committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

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

PP has submitted the EIA report vide letter dated 02/01/18. Which was forwarded by SEIAA to SEAC vide letter no. 1472 dtd. 05/01/18.

P.P and his consultant presented the salient features of the project, EIA, baseline data and the proposed EMP before the committee in the 306<sup>th</sup> SEAC meeting dated 27/01/2018.

1. During the Presentation it was reported that the mine is on small hillock having 23 mt elevation difference.
2. Mine is surrounded by the agricultural land, habitation (250 mtr) and village pond (200m).
3. Reserve detail has been discussed which is as per the approved mining plan. Geo technical details were also discussed and considering proposed bottom area of the ultimate pit
4. As reported that water table is around 30-35 mt BGl and ultimate depth is proposed 10 mtrs.
5. PP has proposed to develop two row plantation along the village road and pond.

**Details of Conceptual Pit**

Period	Pit no.	Average surface area -ha	Average bottom area -ha	Average Depth- m	No of bench from tom	Bottom RL of the area
SOM period	Pit- A	11.7776	7.2539	33	6-7	185m
CP	Pit -A	30.1650	22.3526	33	6-7	185m

**Mining Method**

- Proposed mining activity will be carried out by open cast semi-mechanized method of mining and using of hand tools such as spades, chisel, hammer and excavator (poclain and JCB machines etc.)
- Following machineries will be deployed for proposal period for metal stone quarrying.  
Excavator Machine (Poclain & JCB : One each  
Dumper : 3 No.  
JH/WD : One each  
Shovel : 04 no.  
Chisel, hammer, pans, road: sufficient quantity
- During the SOM period, one development and seven production benches with height of 1-5.0m will be develop up to 185m RL.
- During the proposed SOM period about 11.7776ha area will be excavated and at the end of conceptual period about 30.1650ha area will be developed.
- Method of mining confined within the ultimate pit limit (7.5m) and mine life is 13 years.

<b>ENVIRONMENT IMPACT &amp; MANAGEMENT: Ecology: Stage Wise Cumulative REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION</b>										
Year	Unworked area green belt		Outside dumps (reclaim area)		Bench of Pit		Inside dump		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Existing	Nil	Nil	-	-	-	-	-	-	-	-
1 <sup>st</sup> to 5 <sup>th</sup>	2.035	4000	-	-	0.80	1600	-	-	2.80	5600
6 <sup>th</sup> to CP	-	-	-	-	1.3650	2800	-	-	1.3650	2800
<b>Total</b>	<b>2.035</b>	<b>4000</b>	<b>-</b>	<b>-</b>	<b>2.1650</b>	<b>4400</b>	<b>-</b>	<b>-</b>	<b>4.20</b>	<b>8400</b>

<b>Time Bound Plantation Programme</b>		
Year	Area	Number of Plants
1 <sup>st</sup>	1.0ha + 900m (Road side)	2000 + 360 = 2360
2 <sup>nd</sup>	0.50 ha	1000+360 = 1360
3 <sup>rd</sup>	0.535ha	1000
4 <sup>th</sup>	0.40	800
5 <sup>th</sup>	0.40	800
6 <sup>th</sup> to cp	1.3650	2800
<b>Total</b>	<b>4.20+900</b>	<b>8400+720</b>

**BUDGET FOR PLANTATION**

<b>Budget Allocation for Plantation</b>				
<b>S. No.</b>	<b>Head</b>	<b>Qty</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
	Within lease area			
1 <sup>st</sup>	Saplings, with related work	2000	250/-	5,00,000/-
2 <sup>nd</sup>	Saplings, with related work	1000	250/-	2,50,000/-
3 <sup>rd</sup>	Saplings, with related work	1000	250/-	2,50,000/-
4 <sup>th</sup>	Saplings, with related work	800	250/-	2,00,000/-
5 <sup>th</sup>	Saplings, with related work	800	250/-	2,00,000/-
6 <sup>th</sup> to CP	Saplings, with related work	2800	250/-	7,00,000/-
	<b>Total</b>	<b>8400</b>		<b>21,00,000/-</b>
	<b>Along the transport road</b>			
1 <sup>st</sup> year	Saplings, with earth work and pesticides and tree guard	360	355/-	1,27,800/-
2 <sup>nd</sup>	Saplings, with earth work and pesticides and tree guard	360	355/-	1,27,800/-
	<b>Total</b>	<b>720</b>		<b>2,55,600</b>
	<b>Grand total</b>	<b>9120</b>		<b>23,55,600</b>

**SOCIO-ECONOMIC ENVIRONMENT**

<b>SN</b>	<b>Plan</b>	<b>Activity</b>	<b>Place of activity</b>	<b>Budgetary provisions (Rs in lakh) per year</b>	
				<b>Capital</b>	<b>Recurring</b>
1.	Promotion of quality education	A) Computer education: providing at least 02 computers in nearby school i.e. Gundhara and providing facilities of teacher for computer education and basic education. (B) Providing room for computer lab	Nearby Village School (02no.) Computer @ Rs. 30,000 Teacher @ Rs. 10000/month. Need based support for building repairing, toilets, fresh water supply etc through Gram Panchayat / Gram Sabha	0.60 1.00	1.20
2	Provision of street Solar light	5 no. of Solar street light provide to nearby villages	12 months	2.00	0.50

		i.e. Gundhara, Jiganiya, Gumara ka Chak, Kripalpur, Muhammadpur			
3	Free medical camp	Medical Checkup facility, first aid and other welfare activities for nearby villagers	Quarterly		2.00
4	Drip Irrigation facility at nearby villages	Motivation and financial assistance to the framers of nearby villages for drip irrigation Gundhara, Jiganiya, Gumara ka Chak, Kripalpur, Muhammadpur	Yearly	2.00	1.00
5.	Provision of community toilet facility at village	Toilet facility provide with water tank and its maintenance at nearby villages Gundhara, Jiganiya, Gumara ka Chak, Kripalpur, Muhammadpur (Two toilet each for man and women)	Yearly	10.00	2.00
6	Water supply	Drinking water supply with water filter at Gundhara, Jiganiya, Gumara ka Chak, Kripalpur, Muhammadpur	Yearly	5.00	0.50
7	Playground	Development of playground at village Gundhara	One time	2.50	-
8	Provision of fodder plot	To provide land for fodder plot and developed the fodder plot	-	5.00	0.50
			<b>Total</b>	<b>28.10</b>	<b>7.70</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 in lacs</b>	<b>Recurring cost in lacs</b>
Personal Protective Equipments (Mask, Gloves, Goggles)	2.50	0.25
Medical Checkup facility, first aid and other welfare activities	2.00	0.50
<b>Total</b>	<b>4.50</b>	<b>0.75</b>



**Total Cost (EMP + CSR+ plantation + Monitoring)**

<b>Particular</b>	<b>Capital</b>	<b>Recurring</b>
Proposal for over head tank with water spray arrangement and solar pump	10.00	0.50
<b>Sub- Total</b>	<b>10.00</b>	<b>0.50</b>
Plantation (Capital cost) Along the village Road	2.56	-
Maintenance of Plantation (Along the village Road & lease area) @ Rs 45/- per plant	-	1.00
Plantation (Capital cost) within lease area	21.00	
<b>Sub- Total</b>	<b>23.56</b>	<b>1.00</b>
Construction of transportation road and maintenance (0.460km x 7.50m W@742 per sqm WBM road)	25.60	1.80
Mines to PWD Roads maintenance (14.40km@2.0lakh per Km)	-	28.80
<b>Sub- Total</b>	<b>25.60</b>	<b>30.60</b>
Occupational health and safety exp.	4.50	0.75
<b>Total</b>	<b>4.50</b>	<b>0.75</b>
Environmental Monitoring cost	7.00	7.62
<b>Sub- Total</b>	<b>7.00</b>	<b>7.62</b>
Fencing around the lease periphery 2726m@300/-	8.20	1.40
<b>Sub- Total</b>	<b>8.20</b>	<b>1.40</b>
<b>Total</b>	<b>78.86</b>	<b>41.87</b>
CSR cost	28.10	7.70
<b>Sub- Total</b>	<b>28.10</b>	<b>7.70</b>
<b>Grand Total</b>	<b>106.96</b>	<b>49.57</b>

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

1. Commitment for provision of over head sprinkler arrangement and provision of budget for the same in the EMP and slope stability study.
2. Confirmation by the PP for the provision of bench height of 5.5 mtrs with details of production benches for each year during SOM period.
3. Budget for alternate Pucca road in EMP as discussed during presentation.
4. Revised plantation scheme as suggested by the committee during presentation.
5. Details of arrangements for water availability with necessary support documents.
6. Inventory of existing trees in the lease area with their name, species and numbers.
7. Any proposal of tree falling during mining period.

PP has submitted the response of above quarries vide letter dated 20.02.2018 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 crusher stone mining lease in an area of 32.280 ha. (4,33,403 m<sup>3</sup>/year) at Khasra No. Part of 865 at Village – Gundhara Tehsil & Distt-Gwalior (M.P), subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Tar road of 400 mtr for carrying out the transportation shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

9. PP shall use the rock breakers for the mining purposes considering the proximity of a village.
10. Retaining wall along with drain shall be provided all around the down side of the hillock with atleast 01 mtrs height.
11. PP shall carry out slope stability of high wall study once in year and report shall be submitted MPSEIAA/ SEAC
12. PP shall construct alternate pucca route of 400 mtrs for evacuation of mineral avoiding the habitation area.
13. Over head water sprinkling system shall be provided to control the fugitive emission during transportation of minerals.
14. Provision of solar pumps shall be made for various pruposes during mining operation.
15. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining

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

16. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 8400 no's of trees will be planted along and within the ML.
17. Transportation of material shall be done in covered vehicles.
18. Transportation of minerals shall not be carried out through forest area.
19. The OB as Murrum shall be utilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
20. Garland drains 414.0 X 1.5 X 1.0m, 896.0 X 1.5 X 1.0m, 708.0 X 1.5 X 1.0m, 520.0 X 1.5 X 1.0m with 17 settling pits should be provided to avoid silt discharge. Three settling tanks (1100sqm X 5.0m D, 9000Sqm X 5.0m D, 2000Sqm X 5.0m D) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
21. Water sprinkling through tankers should be provided on 540 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 400 meters long and width 06 meters wide transport road for dust suppression.
22. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
23. The existing and proposed land use plan of the mine is as follows:

Items	At present	At the end of SOM	At the end of conceptual period
Total lease area	32.280 ha		
Mineable area	30.1650 ha		
Ultimate depth of mining		10m bgl (185mRL)	10m bgl (185mRL)
Ultimate pit slope		45 o	45 o
Area under dumps	Nil	Nil	Nil
Area under pits	Nil	11.7776 ha	30.1650 ha
Area to be backfilled	Nil	Nil	Nil
Infrastructure & Road	Nil	0.01 ha	Nil
Plantation	Nil	1.0ha	4.20ha
Water body	Nil	5.0ha	28.00 ha

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

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

29. The proposed EMP cost is Rs. 106.96 lacks and Rs. 49.57 lacks /year are proposed as recurring expenses out of which Rs. 23.55 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.
30. Under CSR activity, Rs. 28.10 lacks and Rs. 7.70 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
31. The adequate budget shall be provided for the PH issue i.e. fodder plot (Rs 5 Lacs for 1 acre) and protection measures like construction of retaining wall etc.
32. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
33. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
34. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
35. PP will comply with all the commitments made vide letter dated 27.01.2018.
36. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**DISCUSSION ON THE SITE VISIT REPORT OF FOLLOWING PROJECT:**

17. **Case No. - 5416/2016 M/s Riddhi Siddhi Colours, 304, Agrawal Arcade, Opp. Central Mall Ambawadi, Ahmedabad (Guj.) – 380006 Manufacturing of Dyes & Dyes Intermediate at**

**Plot No. 99-A, M.P. Audhyogic Kendra Vikas Nigam Ltd (AKVN), Tehsil - Meghnagar, Distt. - Jhabua, (M.P.) Proposed Capacity: Synthetic Organic Dyes [Liquid Direct Dyes] & [Direct Dyes] Capacity 125 MT per Month & Synthetic Organic Dyes [Disperse Dyes] Capacity 125 MT per Month Total Plot Area : 3000 Sq.mt. ha., Cat. - 5(f) Project Synthetic Organic Chemicals Industry (dyes & dye intermediates).**

The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals, hence requires prior EC from SEIAA before initiation 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. The proposed project is located at Plot No. 99-A, AKVN Industrial Area, Meghnagar area of Jhabua district in Madhya Pradesh State.

### **PROJECT SALIENT FEATURES**

<b>Project Proponent</b>	M/s. Sri Riddhi Siddhi Colours
<b>Project Name</b>	Manufacturing of Dyes and Dyes Intermediates
<b>Capacity</b>	250 MT/Month
<b>Estimated project cost</b>	208.13 Lacs.
<b>Coordinates &amp; Address</b>	Latitude: 22°54'48.17" N, Longitude: 74°33'37.06" E Plot no. 99/A, Audyogic Kendra Vikas Nigam Ltd. (AKVN), Taluka: Meghnagar, District: Jhabua, Madhya Pradesh, India.
<b>Category &amp; Schedule</b>	5 (f) "B" as per EIA Notification, 2006
<b>Total Plot Area</b>	Total Area - 0.3 ha. (Green area - 0.099 ha. 33% of Total Plot Area)
<b>Manpower Requirement</b>	During Construction phase: 15 & During Operational phase: 10
<b>Total Water Requirement</b>	119 KLD (Source: AKVN Water Supply)
<b>Waste Water Generation</b>	53 KLD (Domestic: 8 KLD & Industrial: 45 KLD)

<b>Power Requirement</b>	200 KVA (Source: MPEB) 2 x 100 KVA DG Set as Stand-by
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**WATER REQUIREMENT**

Sr. No.	Type of use	Fresh Water Consumption (KLD)	Recycle Water Consumption (KLD)	Total Water Consumption (KLD)	Waste Water Generation (KLD)
1	Domestic	10	-	10	8
2	Gardening	5	3	8	0
3	Industrial				
	Process	41	31	72	40
	Boiler	10	10	20	0.8
	Cooling Tower	4	-	4	0.2
	Others (Scrubbing, Washing etc.)	5	-	5	4
	Total (Industrial)	60	41	101	45
	Total (1+2+3)	75	44	119	53

**ENVIRONMENTAL SETTINGS**

sl. No.	Particulars	Details
1.	Climate conditions	Annual Mean Maximum Temperature: 34 °C Annual Mean Minimum Temperature: 21°C Annual Mean Maximum Rainfall: 720 mm
2.	Present land use at the location	Industrial Area

3.	Nearest Village	Bedwali (0.65 km, W)
4.	Nearest Town/City	Meghnagar City (1.9 km WSW)
5.	Nearest Railway Station	Meghnagar Railway Station (2.1 km, WSW)
6.	Nearest Hospital	Jivan Jyoti Hospital (2.04 km, West)
7.	Nearest Highway	MP-SH 39 (0.4 km, WNW)
8.	Nearest Airport	Indore Airport (130 km, East)
9.	Nearest Water Body	Anas River (3.8m km, SSE)
10.	Nearest Port	None in 10 Km radius
11.	Hills / valleys	None in 10 Km radius
12.	Ecological Sensitive Zone within 10 km distance	None in 10 Km radius
13.	Historical/ Archaeological Places	None in 10 Km radius
14.	National Park/ Wild life Sanctuary	None in 10 Km radius
15.	List of Major Industries (within 10 km radius)	<ol style="list-style-type: none"> <li>1. API India Biotech Pvt. Ltd.</li> <li>2. Madhya Bharat Phosphate Ltd.</li> <li>3. Parth Rasayan Pvt. Ltd.</li> <li>4. SR Ferro Alloys.</li> <li>5. Padmavati Minerals.</li> </ol>
16.	Seismic Zone	Zone-III according to the Indian Standard Seismic Zoning Map

The case was presented by the PP and their consultant in 282<sup>nd</sup> SEAC meeting dated 10/10/2016 wherein committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:

1. Worst case scenario study to be carried out with respect to Air, water and Soil environment and the mitigation measures to be proposed accordingly.
2. Product-wise Water balance along with the overall water balance to be worked out & presented so as to achieve 'Zero liquid discharge' from the unit.
3. Latest MSDS data with compliance plan to be furnished for all the raw material / finished products with their storage plan.
4. Inventory of all the raw material with mass balance of each of the chemicals being used or proposed to be used.
5. The EIA has to be prepared by an accredited consultant only.
6. Detailed plantation scheme essentially incorporating thick peripheral plantation to be furnished along with mapping of green areas on a lay-out map.
7. Inventory of all types of hazardous wastes expected from the industry with handling and management plan to be presented.
8. Plan for prevention of waste water percolation into the ground water to be submitted along with the plan of handling in case of spillage of any chemicals.
9. Existing pollution load with respect to air / water and soil to be presented.
10. List of material proposed to be stored beyond the prescribed threshold limits.
11. Ground-water study shall be carried out in the region including the water table and the quality.
12. Details of solvent recovery system should be provided in the EIA report.

PP has submitted the EIA report vide letter dated 11/05/2017 which was forwarded by the SEIAA vide letter no. 529 dated 24/05/17.

This case was scheduled in 293<sup>rd</sup> SEAC meeting dated 17/06/2017 wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. Since this plant is located in Meghnagar Industrial Area, Committee also decided to carryout site visit of this project as per the policy decision of SEIAA taken in 250<sup>th</sup> SEIAA meeting dated 14/10/2015 stating that SEAC should also make a site visit before recommending the cases of Chemical Plants to SEIAA.

As per above discussions, the site visit (Annexure-1) was carried out by the SEAC members (Mohd. Kasam Khan, Chairman SEAC and Shri R. Maheshwari, member SEAC on



18/01/2018) and the following inspection report was placed in the meeting before the committee:

## SITE VISIT REPORT OF THE COMMITTEE

### Background:

The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals, hence requires prior EC from SEIAA before initiation 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. The proposed project is located at Plot No. 99-A, AKVN Industrial Area, Meghnagar area of Jhabua district in Madhya Pradesh State.

The TOR was issued to this unit in the 282<sup>nd</sup> SEAC meeting dated 10/10/2016 and the case was scheduled for EIA presentation in the 293<sup>rd</sup> SEAC meeting for EIA presentation wherein PP remains absent and committee also decided to carryout site visit for this proposed unit as per the policy decision taken by SEIAA in their 250<sup>th</sup> meeting dated 14/10/2015.

As decided, Mohd. Kasam Khan, Chairman SEAC and Shri R. Maheshwari, member SEAC visited the site on 18/01/2018. The concerned Regional Officer, of MPPCB Dhar Region, Shri A.K. Bisen & Dr. Abhaya K Saxena, Sr. Scientific Officer, HO, Bhopal accompanied the SEAC team to the site. PP telephonically informed that due to ill health of his son he is unable to present during site visit.

### Project location

This unit is located at Plot No. 99 A, AKVN, Industrial area, Meghnagar, District: Jhabua, Madhya Pradesh. It is approximately 15 Km distance from Dist. Jhabua. The salient features of the proposed project are as follows:

<b>Project Proponent</b>	M/s. Sri Riddhi Siddhi Colours
<b>Project Name</b>	Manufacturing of Dyes and Dyes Intermediates
<b>Capacity</b>	250 MT/Month
<b>Estimated project cost</b>	208.13 Lacs.
<b>Coordinates &amp; Address</b>	Latitude: 22°54'48.17" N, Longitude: 74°33'37.06" E Plot no. 99/A, Audyogic Kendra Vikas Nigam Ltd.

	(AKVN), Taluka: Meghnagar, District: Jhabua, Madhya Pradesh, India.
<b>Category &amp; Schedule</b>	5 (f) "B" as per EIA Notification, 2006
<b>Total Plot Area</b>	Total Area - 0.3 ha. (Green area - 0.099 ha. 33% of Total Plot Area)
<b>Manpower Requirement</b>	During Construction phase: 15 & During Operational phase: 10
<b>Total Water Requirement</b>	119 KLD (Source: AKVN Water Supply)
<b>Waste Water Generation</b>	53 KLD (Domestic: 8 KLD & Industrial: 45 KLD)
<b>Power Requirement</b>	200 KVA (Source: MPEB) 2 x 100 KVA DG Set as Stand-by

During site visit, it was observed that no structure is erected on the site and allotted area is protected by fencing of MS sheets from the tree sides and one side remains open. It was also observed during site visit that numerous old and rusted industrial equipments such as MME vessels, reaction vessels, storage tanks etc were lying on this plot and the person present (watchman) were unable to explain the need for such old & rusted equipments. The glass wool was also spread from these old equipments on the plot. One temporary rest room for watchman has been provided on site by PP. Some electric fabrication work of metal sheets/steel guarders was going on the site and workers were unable to provide any details of this fabrication work.

## RECOMMENDATIONS

As per the site observations, PP may be asked to provide following details for further considerations of their project:-

- Details of all the old & rusted equipments stored on the plot.
- Any proposal of using these old and rusted equipment in the proposed plant.
- The glass wool spread near the old equipment should be collected properly in a container and PP should submit the disposal plan of this glass wool.
- Details of electrical fabrication works being carried out on the site.

The committee after deliberations decided that as per the recommendations the desired information may be obtained from the PP within 30 days for further consideration of the project.

18. **Case No. - 5373/2016 Executive Engineer, M.P. Audyogik Kendra Vikas Nigam (Indore) Ltd, Ist & IInd Floor, 3/54, Press Complex, AB Road, Indore, (M.P.) – 452011 New Construction Projects and Industrial Estate Meghnagar Industries Area, Meghnagar Town, Tehsil - Meghnagar, Distt. - Jhabua, (M.P.) Total Plot Area - 223.75 Ha.(2237500.00 Sq.m.), Net Planing Area - 2237500.00 Sq.m, Total Industrial Plot Area – 1329902.00 Sq.m, Amenities Area – 73136.00 Sq.m, (Cat. -7(c) Project). EIA Consultant: M/s SMS Envirocare Ltd., PUNE.**

The project belongs to Meghnagar industrial area and as per the Schedule attached to the EIA Notification 2006 and its amendment in 2009 the project is covered under Project or Serial No. 7(c) “**Industrial estates/ parks/ complexes/ areas, export, processing Zones, (EPZs), Special, Economic Zones, (SEZs), Biotech, Parks, Leather, Complexes**” requiring prior Environmental Clearance (EC). It is categorized as Category B (area <500 ha), and shall be appraised by the State Environment Impact Assessment Authority (SEIAA), Madhya Pradesh. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

SEIAA vide letter no. 1269/SEIAA/2017 dated 06/12/2017 has requested SEAC to carryout inspection of Meghnagar Industrial Area, Jhabua as per the policy decision taken in 250<sup>th</sup> SEIAA meeting dated 14/10/2015.

As per above, the site visit (Annexure-2) was carried out by the SEAC members (Mohd. Kasam Khan, Chairman SEAC and Shri R. Maheshwari, member SEAC on 18/01/2018) and the following inspection report was placed in the meeting before the committee:

#### **SITE VISIT REPORT OF THE COMMITTEE**

SEIAA vide letter no. 1269/SEIAA/2017 dated 06/12/2017 has requested SEAC to carryout inspection of Meghnagar Industrial Area, Jhabua as per the policy decision taken in 250<sup>th</sup> SEIAA meeting dated 14/10/2015.

As decided, Mohd. Kasam Khan, Chairman SEAC and Shri R. Maheshwari, member SEAC visited the site on 18/01/2018. The concerned Regional Officer, of MPPCB Dhar Region, Shri A.K. Bisen & Dr. Abhaya K Saxena, Sr. Scientific Officer, HO, Bhopal accompanied the SEAC team to the site. During site visit Mr. Ashutosh Kanoongo, EE, MPAKVN and Mr. P. Singh along with consultant Ms. Vandana Saksena, SMS Envirocare Limited, Pune were also present.

Meghnagar Industrial Area is located on Petlabad- Jhabua Highway in village Fatehpura Tehsil Meghnagar. It's an industrial area developed by MPAKVN. The entire Meghnagar Industrial Area is under the catchment of Anas River which is a large tributary of the Mahi River, originates from the south-eastern part of Jhabua in Madhya Pradesh. The river flows 37 km to the north, 9 km to the west and the north-west for about 44 km within Jhabua District. Kushalgarh is the place, where the Anas River joins the left bank of the Mahi. Apart from Anas River, the major water bodies near Meghnager Industrial Area are two ponds near village Amlipathar and Hirapur respectively.

Following are the salient features of the Meghnagar Industrial Area:

S.NO.	DETAILS	INFORMATION
1	Name of the Project	Meghnagar Industrial Area
2	Location	Tehsil: Meghnagar District: Jhabua State: Madhya Pradesh
3	Topo sheet No.	46J/5, 46J/9, 46I/8, 46I/12
4	Capacity	Total Plot Area: 223.75 hectare for Industrial Development
5	Area Requirement	Total Plot Area: 223.75 hectare for Industrial Development
6	Water Requirement	For Industrial Area: 1.2 MLD For Meghnagar Villager: 0.5 MLD Stop Dam: 3.6 MLD Capacity
7	Power Requirement	Total Power Requirement: 6MW Source: MP Paschim Khetra Vidhyut Vitran Co. Ltd.
8	Project Cost	78.20 crore

### **LAND USE**

Type	Area is sq. m	Area in Ha
Total Area of MIA	22,37,500	223.75
Plots covered by running Industries	5,84,197	58.41
Plots covered by Under Construction Industries	83,564	8.35
Plots covered by Closed Industries	1,61,824	16.18

Area under Vacant Plots	3,94,545	39.45
Total Area Plotting	12,24,130	122.42
Remaining land under MIA	10,13,300	101.33

### WATER REQUIREMENT

Particular	Details	Source	Remark
Water	Total: 1.7 MLD Industrial Use: 1.2 MLD Nearby Village Use: 0.5 MLD	Stop Dam already Constructed on Anas River. Pump house and Pipeline system installed to transfer water from river to MIA.	Water Treatment Plant (WTP) of 3. 6 MLD provided for treatment of water before supply

### POWER REQUIREMENT

Particular	Details	Source	Remark
Electricity/Power	Total: 6 MW	MP Paschim Kshetra Viduyt Vitran Co. Ltd. (MPPKVVCL )	A sub-station of 64000 Kva has already installed by MPPKVVCL for proper supply of Electricity

During discussion with the MPAKVN authority it was informed by them that at present Meghnagar IA has 204 plots out of which 58 are still vacant and 146 has been allotted to various industries. Out of these 146 allotted plots 60 has been developed as industries, 13 are under construction, 30 has yet to start construction and remaining 43 industries are closed at present. The sector wise details of industries in Meghnagar IA as provided is as follows:

#### **A. Dyes & Dyes Intermediate Industries**

Sr. No.	Name of Unit	Products	Plot No.	Area (M <sup>2</sup> )
<b>Operational</b>				
1	Trent Chemical Industries	H-Acid	184	26,230.00
2	Krishna Phoschem Pvt. Ltd. Unit 2	H-Acid & Other chemicals	142, 143	21,000.00
3	Meghnagar Pharmachem Pvt. Ltd	Pharma & Dyes Intermediate	98-A	3,924.00
Sr. No.	Name of Unit	Plot No.	Area (M <sup>2</sup> )	
<b>Proposed</b>				

1	Meghnagar Organics	184-C	5,000
2	Ambey Chemtech Pvt Ltd	74, 75	4,536
3	Krishna Phoschem Pvt. Ltd. Unit 4	118B ,119, 120	22,459
4	Rathod Pharma Chem	184-D	2,650
5	Sri Riddhi Siddhi Colours	99-A	3,000
6	Sap Fine Chem Pvt. Ltd	174	5,000
7	Shiv Dyes & Intermediates	40-C, 40C2	2,662
8	Siddhi Vinayak Enterprises	30	929
9	Visnagara Chemicals Pvt. Ltd.	40-B	1,500
10	Kevin Chemicals	136, 137	6,723
11	Panoli Intermediates	108-B, 190	13,103
12	Happy Chemical Industry	181-A	630
13	IS Dyes Stuffed	55	15,445
14	Kutch Chemicals Industries	189, 191 & 192	14,440
15	Vini Industries	125	4,446
16	Global Impex	39-A	1500

**B. Chemical Fertilizer – Operational**

Sr. No.	Name of Unit	Product	Plot No.	Area (M <sup>2</sup> )
<b>Chemical Fertilizer</b>				
1	Madhya Bharat Phosphate	SSP, GSSP	176	26,000
2	Krishna Phoschem Pvt. Ltd. Unit 1	SSP, GSSP	115-120	76,967
3	Agro Phos India Ltd.	SSP, NPK, Ca Sulphate	136-A, 138-A, 136 A-I	7,171
4	Balaji Agro Organic And Fertilizers Pvt. Ltd.	NPK, Rock Phosphate Powder	12-K, 12-L	9,966
5	Moni Fertilizer	NPK, Ferrous sulphate	122, 123, 124	23,717
6	Trimbkeshwar Agro Industries	NPK, organic Fertilizer	27 & 32	2,849

**C. Chemicals & Other Industries- Operational**

Sr. No.	Name of Unit	Product	Plot No.	Area (M <sup>2</sup> )
1	Ankita Enterprises	MCCP, Hydro Benzenem MDNB, MUA, OT Base & Ragi Salt	62 B, 63	6,031
2	Washmec Industries (w)	Acid Slurry	76	1,785
3	Bromos Chemicals	Ca Bromide, Sodium Bromide, Liquid bromide & Bromine derivatives	181, 182	5,500
4	Anjanea Industries	Liquid Bromine	37 A	1,500
5	Rathod Pharma Chem.	MnSO <sub>4</sub> , Ferrous Sulphate, sulphonation	184-D	2,650
6	Moni Minerals & Grinders	Ferrous sulphate	56-A, 56	10,622

<b>7</b>	Krishna Phoschem Pvt. Ltd. Unit 3	H2SO4, chloro sulphonic acid, Liquid SO3 & allied Chemicals	126-A, 134	10,272
<b>8</b>	Gromore Enterprises	Gypsum, Manganese phosphate, rock phosphate	57, 58-A	15,948
<b>9</b>	Vaam Urja Recycling Pvt. Ltd.	Tyre Recycling	44-A	1,394
<b>10</b>	Sheetal Industries	Tyre Oil, Steel Scrap Carbon Black	133-A	3,198
<b>11</b>	Calibre Incorporation	Furnace Oil, Scrap Steel Carbon	184-B	3,000.00
<b>12</b>	Hiya Industries	LDPE, LLDPE, PP	181-B	700
<b>13</b>	Parth Rasayan Pvt. ltd.	Aeromax, Hexane Pentane, Speciality oils	114	9,662
<b>14</b>	Shail Chem Distillate Pvt. Ltd.	Organic Solvent Distillation	13, 139-A, 140-A, 141-A, 142-A	10,000
<b>15</b>	Utsava Pesticide	Chemical pesticide	62	4,636
<b>16</b>	International Bitumen Ltd.	Primar, PMB, Emulsion, CRBM Compound	134-A-2	1500

The committee also visited the plot no. 193 where the industrial waste was disposed off and observed that a little quantity of water light pink in color has been accumulated through seepage in the nearby drain made for the collection of seepage around this plot. MPAKVN authorities informed to the committee that they will again treat this seepage in the MEE of M/s Trent Chemicals, Jhabua within 24 hours and will report to the committee. Later MPAKVN vide letter dated 27/01/2018 has informed that the remaining waste water is collected and treated in M/s Trent Chemicals, Jhabua and at present the drain is dry.

It was also informed to the committee during site visit that earlier in Meghnagar Industrial Area, industrial waste by an unknown industrial unit was disposed off on a piece of land (the plot no. 193 of Meghnagar IA, area 4047 sq. meter approx) and which was leveled by soil and stone bolder (Gitti). Later on during rainy season, this waste with water percolated in the form of red colored water and accumulated in a nearby water body which created agitation in the area. After this incident, a comprehensive cleanup operations were taken up in the entire area and a ditch was created along the affected plot so that the contaminated water can be accumulated in that ditch to avoid its further extend and all the accumulated waste water of plot no. 193 was treated in the MEE of other industry (M/s Trent Chemicals) and contaminated soil of plot no 193 was disposed off in the CTSDF, Pithampur, Dhar. MPAKVN authorities further informed that they have made detailed submission about this in the EIA report of the Meghnagar Industrial Area.

During site visit it was also observed by the committee that road network in the industrial area is developed but the both sides of the road is devoiding of trees and thus sincere efforts needs to be made by the MPAKVN and industries operational in the area to develop green belt on the both sides of the road. It was also suggested by the committee that thick plantation should also be carried out on the entire periphery of the Meghnagar Industrial area. MPAKVN authorities submitted that they have already indentified the locations for the green belt development and will take up the work of plantation on the both sides of the road, outer boundary of entire industrial area and CETP area.

After site visit following are the recommendations of the committee:

1. A common effluent treatment plant and waste treatment facility with MEE and ATFD should be developed in the Meghnagar Industrial Area on priority by MPAKVN authorities to facilitate the industries for environmentally safe disposal of wastes.
2. Till such facilities are developed by MPAKVN, the individual industries have to provide complete treatment and disposal of wastes as per the conditions of EC and consent issued by MP Pollution Control Board.
3. No effluent shall be discharged outside the plant premises and Zero discharge shall be maintained by all the industries of the Meghnagar Industrial Area.
4. Develop supervision mechanism of entire Meghnagar Industrial Area by MPAKVN authorities to avoid indiscriminate disposal of industrial waste.
5. All the chemical/ dye & dye intermediate industries proposed/operational in the Meghnagar I.A. in consultation with the MPAKVN and MP PCB authorities should install suitable number of Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom for strict vigil within the plant premises and nearby area. Data connectivity of all such Internet Protocol PTZ camera must be provided to the MPPCB's server for remote operations.
6. 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 EMP of Meghnagar I.A. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
7. Carryout plantations as per the submitted proposal on the both sides of the road, outer boundary of entire Meghnagar Industrial Area, CETP area and also increase the plantation of existing planted area.



The committee after deliberations decided that the above inspection report may be sent to SEIAA for onward necessary action and recommendations as suggested by the committee may be complied by the respective industries and also by MPAKVN, Jhabua.

19. **JOINT INSPECTION REPORT (Annexure-3) OF MEMBERS OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC) AND DISTRICT LEVEL EXPERT APPRAISAL COMMITTEE (DEAC) COMMITTEE -AS PER HON'BLE NATIONAL GREEN TRIBUNAL, (CZB) BHOPAL ORDER DATED 17/05/2017 IN OA No. 15/2017 AND 16/2017**

EC's issued for case no. 3777/2015 and 3776/2015 were challenged by the Gram Panchayat Ghunaur and Gram Panchayat Rohiniya before the Hon'ble NGT CZ Bhopal vide Original Application 15 & 16 of 2017 respectively and Hon'ble NGT (CZ) Bhopal have directed MP, SEIAA in its order dated: 17/5/17 in OA No. 15 & 16 of 2017 (Annexure-1) to review the matter in respect of grant of EC dated 29/12/15 which is recorded as:-

*"We direct further that SEIAA to take into account the situation and ensure that both the members of SEAC as well as DEAC may be present during spot inspection before giving their appraisal reports and recommendations for grant or refusal of the EC based upon the local conditions and its impact on the environment Learned Counsel prays for time to submit the report before the Tribunal."*

With reference to the above, a team of SEAC & DEAC was constituted (annexure-2 (a & b)) for spot inspection as per the order of Hon'ble NGT, CZ, Bhopal. As decided, joint team of SEAC & DEAC visited the site on 29.01.2018 wherein the following members were present:

1. Shri Prashant Shrivastava, Member, SEAC, MP.
2. Dr. Mohd. Akram Khan, Principal Scientist, CSIR-AMPRI and Member, SEAC, MP.
3. Shri K.D. Ojha, Executive Engineer, WRD, District Katni, Member, DEAC, MP.
4. Smt. Deepmala Tiwari, Deputy Director, Khanij Sakha, District Katni, Member, DEAC, MP.
5. Shri Hemant Tiwari, Regional Officer, MP Pollution Control Board, District Katni, Member, DEAC, MP.
6. Shri Shalendra Mishra, Mine Inspector, District Katni, Member, DEAC, MP.

Apart from the above team members, representative of mine owner was also present during site inspection.

(A) **CASE NO. O.A.-15/2017**

**Background**

On perusal of office file it was observed by the committee that it's a case of Sand Quarry registered as **Case No.-3777/15** Shri Anand Raj Agrawal, Director, M/s Fair Black Infratech India Pvt. Ltd., Sub Lessee of M.P. State Mining Corporation Ltd., Venkat Library Complex, Opposite MGM Hospital, Forestry Play Ground, Kachari Chowk, Katni (MP)-483501. Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (Production capacity 39,200 cum/year) at Khasra No.-911, Village-Ghunaur, Tehsil-Vijayraghavgarh, District-Katni.

Earlier, the application for grant of EC was forwarded by SEIAA to SEAC vide letter no. 5858/SEIAA/15 dated 29/09/2015 for appraisal. As per the details provided by PP with the application, the proposed site is located at Khasra No. 911, Village-Ghunaur, Tehsil-Vijayraghavgarh, District-Katni (MP) and the allotted lease is of 5.00 Ha. With the application, PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and other requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 2910 dated: 03/08/2015, has reported that no more mines are operating or proposed within 1000 meters around the said mine. The case was discussed in the 236<sup>th</sup> SEAC meeting dated 01/11/2015 and was recommended to SEIAA for the grant of EC for production of Sand not exceeding 39,200 cum/year as per the mine plan. Subsequently, SEIAA, MP considering the recommendations of SEAC issued Environmental Clearance vide letter no. 9971/SEIAA/15 dated 29/12/2015. (Annexure-3)

The above sand mine lease of 5.00 ha is located at Khasra No. 911, Village-Ghunaur, Tehsil-Vijayraghavgarh, District-Katni on the river Mahanadi and allotted to M/s Fair Black Infratech India Pvt. Ltd., Katni by MPSIDE vide office order no. SMC0087/2015-16/171 dated 10/07/2015.

The site inspection was carried out by the joint team and "Panchnama" (Annexure-4) was also prepared at site in the presence of all the team members and others who were present on site wherein following observations are made by the committee:

- (1) Sand evacuation was observed and 02 heaps of sand extracted from the site was observed during site inspection.
- (2) It was also observed that on some part of lease (approx. 23x25 feet) is engaged by farmers for cultivation of seasonal vegetables.
- (3) A kachha road is developed by the PP for evacuation of sand within the allotted lease.
- (4) Sand evacuated from the lease is stored outside the lease area in many heaps.

- (5) Hon'ble NGT (CZ) Bhopal in their order dated 17 May 2017 stated that:  
*“Assuming that to be correct the question which arises for consideration is that when the area remains submerged up to the month of January on the basis of the above what prevailed upon the SEAC to grant of EC for 39,200 Cum/Year of river sand from the area is question as in that case the period of operation would be considerable reduced on account of the submergence and with the specific condition of EC that no in-stream mining notwithstanding the area of the lease being granted would be permitted. And also mining would not be carried out beyond the depth of 3 meters or up to such levels where the water appears whichever comes first”.*

The observations of the joint committee on the questions raised in the order of the Tribunal are as follows:

- (i) Considering the 5.0 hectare Lease area and 3 meters working depth, the total sand reserves come to 1,50,000 Cum and the granted EC is for 39,200 Cum/Year only, which is nearly 26.13% of the available sand reserve. The production asking rate comes to 39,200 Cum/240 days = 163 Cum/Day considering only 08 month working in the year excluding 04 months of rainy season. The physical conditions prevalent at the site clearly reveal that the granted quantity of 39,200 Cum/Year is minable considering all the terms and condition of environment clearance.
- (ii) Geologically, lease area is available to mine out the sanctioned volume of sand technically, economically with environment sustainability as per EC conditions. Excluding 04 month rainy season and considering only 240 working days the average production asking rate comes to only 163 cum/day. Even on considering 06 working months, the asking production rate comes to 217.77 Cum/day only.
- (iii) Taking into account the lease area of 5.0 hect., 03 meters working depth and the condition prevailing on the inspection date, the required production quantity is available at site.
- (iv) The sand in dry area is available up to the 03 meter deep trench cut already dugout in the allotted lease area and was physically inspected by team at site.
- (v) On investigation and querying, committee found that the granted lease area is on the upstream and is outside the earmarked submergence area of Bansagar dam which was also verified by the team at site.

- (6) As per the enclosed site Panchnama, photographs (annexure-5) and measurements taken at site, it is concluded that 39,200 Cum/Year of sand quantity is available and minable complying all the EC conditions.

**(B) CASE NO. O.A.-16/2017**

**Background**

On perusal of office file it was observed by the committee that it's a case of Sand Quarry registered as Case No.-3776/15 Shri Anand Raj Agrawal, Director, M/s Fair Black Infratech India Pvt. Ltd., Sub Lessee of M.P. State Mining Corporation Ltd., Venkat Library Complex, Opposite MGM Hospital, Forestry Play Ground, Kachari Chowk, Katni (MP)-483501. Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (Production capacity 39,200 cum/year) at Khasra No.-564, Village-Barua, Tehsil-Vijayraghavgarh, District-Katni (MP).

Earlier, the application for grant of EC was forwarded by SEIAA to SEAC vide letter no. 5856/SEIAA/15 dated 29/09/2015 for appraisal. As per the details provided by PP with the application, the proposed site is located at Khasra No. 564, Village-Barua, Tehsil-Vijayraghavgarh, District-Katni (MP) and the allotted lease is of 5.00 Ha. With the application, PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and other requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 2908 dated: 03/08/2015, has reported that no more mines are operating or proposed within 1000 meters around the said mine. The case was discussed in the 236<sup>th</sup> SEAC meeting dated 01/11/2015 and was recommended to SEIAA for the grant of EC for production of Sand not exceeding 39,200 cum/year as per the mine plan. Subsequently, SEIAA, MP considering the recommendations of SEAC issued Environmental Clearance vide letter no. 9989/SEIAA/15 dated 29/12/2015. (Annexure-6)

The above sand mine lease of 5.00 ha is located at Khasra No. 564, Village-Barua, Tehsil-Vijayraghavgarh, District-Katni on the river Mahanadi and LOI was issued to M/s Fair Black Infratech India Pvt. Ltd., Katni by MPSIDE vide office order no. SMC0087/447 dated 01/06/2015.

The site inspection was carried out by the joint team and "Panchnama" (Annexure-7) was also prepared at site in the presence of all the team members and others who were present on site wherein following observations are made by the committee:

- (1) Sand evacuation was observed and extracted sand in a trolley was observed on the lease during site inspection.
- (2) It was also observed that sand is available on lease with gravels.
- (3) A kachha road is developed by the PP for evacuation of sand within the allotted lease.
- (4) Sand evacuated from the lease is stored outside the lease area in many heaps.
- (5) Hon'ble NGT (CZ) Bhopal in their order dated 17 May 2017 stated that:  
*“Assuming that to be correct the question which arises for consideration is that when the area remains submerged up to the month of January on the basis of the above what prevailed upon the SEAC to grant of EC for 39,200 Cum/Year of river sand from the area is question as in that case the period of operation would be considerable reduced on account of the submergence and with the specific condition of EC that no in-stream mining notwithstanding the area of the lease being granted would be permitted. And also mining would not be carried out beyond the depth of 3 meters or up to such levels where the water appears whichever comes first”.*

The observations of the joint committee on the questions raised in the order of the Tribunal are as follows:

- (i) Considering the 5.0 hectare Lease area and 3 meters working depth, the total sand reserves come to 1,50,000 Cum and the granted EC is for 39,200 Cum/Year only, which is nearly 26.13% of the available sand reserve. The production asking rate comes to 39,200 Cum/240 days = 163 Cum/Day considering only 08 month working in the year excluding 04 months of rainy season. The physical conditions prevalent at the site clearly reveals that the granted quantity of 39,200 Cum/Year is minable considering all the terms and condition of environment clearance.
- (ii) Geologically, lease area is available to mine out the sanctioned volume of sand technically, economically with environment sustainability as per the EC conditions. Excluding 04 month rainy season and considering only 240 working days the average production asking rate comes to only 163 cum/day. Even on considering 06 working months, the asking production rate comes to 217.77 Cum/day only.
- (vi) Taking into account the lease area of 5.0 hect., 03 meters working depth and the condition prevailing on the inspection date, the required production quantity is available at site.

- (iii) The sand in dry area is available up to the 03 meter deep trench cut already dugout in the allotted lease area and was physically inspected by team at site.
  - (iv) On investigation and querying, committee found that the granted lease area is on the upstream and is outside the earmarked submergence area of Bansagar dam which was physically inspected by team at site.
- (6) As per the enclosed site Panchnama, photographs (Annexure-8) and measurements taken at site, it is concluded that 39,200 Cum/Year of sand quantity is available and minable complying all the EC conditions.

The above report of the committee was placed in the meeting and after discussion it was decided that the joint inspection report may be sent to SEIAA for onward necessary action.

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

**(Dr. Sonal Mehta)**  
**Member**

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

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

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

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

**Annexure- 'A'**

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

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

**Annexure- 'B'**

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

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



**Annexure- 'C'**

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. The mining activity shall be done manually.
7. Heavy vehicles shall not be allowed for removal of sand.
8. The sand shall be transported by small trolleys up to the main transport vehicle.
9. Transport vehicles will be covered with 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.