STATE EXPERT APPRAISAL COMMITTEE 21 August 2018
MINUTES OF 326th MEETING

The 326th meeting of the State Expert Appraisal Committee (SEAC) was held on 21st August, 2018 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Shri Prasant Srivastava, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.

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

1. Case No. - 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^2, Planned Area 15,74,580 m^2 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^2, Planned Area 15,74,580 m^2 Village - Tigaria Badshah, Chota Bangarda, Tehsil & District - Indore, MP.

The case was presented by the PP and their consultant in the 307th SEAC Meeting dated 23/02/18, during presentation following details were provided:

Salient features of the project:

S. No.	Particulars	Details
1	**Name of the project**	Area Development Project of Scheme No. 166 of Indore Development Authority.
	Location:	Tigaria Badashah, Chota Bangarda Indore (M.P.)
2	**Name of the Company,**	Indore Development Authority.
	Address	Indore Development Authority, 7 Race Course Road, Indore-452003, (Madhya Pradesh.)
	Tele No.	+91-731-2531312
	E-mail :	idaindore7@yahoo.co.in
3	**Latitude and Longitude of the project.**	**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** **22°45'28.13"N, 75°48'27.80"E**
4	**If a Joint venture, the names & addresses of the JV partners including their share.**	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	**Project brief: nature of proposal (new/expansion,)**	New
	Total area - land use & Project components	

S. No.	Particulars	Area (in Hectare)
1	Total Land Area of Scheme No. 166	190.858
2	Land transferred to Govt.	33.400
3	Area Available for Planning	**157.458**
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

Connectivity	Name	Distance and Direction from the project site
Road Connectivity	Super corridor Road	Approx. 1 km, West from the project site
Nearest Railway	Indore junction	Approx. 6.89 km, SE from the project site

			Station		
			Nearest Airport	Devi Ahilyabai Holkar Airport	Approx. 4.71 km, SSW from the project site
			Nearest State / National Boundary	Madhya Pradesh-Rajasthan Border Gujrat – Madhya Pradesh Boarder	Approx. 111.76 km N from the Project site Approx. 145 km W from the Project site.
6	**Cost of the project**	Rs. 318 Crores			
7	**Whether the project is in Critically Polluted area.**	No			
8	**If the project is for EC under EIA Notification, 2006**	Yes			
	a) For the first time appraisal by EAC **(i) Date of ToR:**	Yes (i) Applied for ToR			
	(ii) Date of Public Hearing, location	(ii) N.A.			
	(iii) Major issues raised during PH and response of PP	(iii) N.A.			
	b) Second appraisal **(i) Date of first /earlier appraisal** **(ii) Details of the information sought by the EAC with the response of the PP.**	NO			
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 10 km of eco- sensitive area**	No Eco Sensitive Zone falls under 10 Km. radius of the project.			
	(i) Name of eco- sensitive area and distance from the project site,	---			
	(ii) status of clearance from National Board for wild life	---			
11	**Waste Management** **(i) Water requirement, source, status of clearance**	(i) Approx. **4263 KLD Water requirement.** **Source: Indore Municipal Water supply**			

	(ii) Waste water quantity, treatment capacity, detail	(ii) Total Waste Water Generation: 3861 KLD. Treatment capacity: 4 MLD STP.
	(iii) Recycling / reuse of treated water and disposal	Recycled water will be used for landscaping and miscellaneous purpose.
	(iv) Solid Waste Management	Details are given below:

SOLID WASTE QUANTIFICATIONS

S. No.	Category	Occupancy/Area	kg per capita per day
1.	**Residents** General	1,155	@ 0.5 kg/day
	Visitors	58	@ 0.15 kg/day
	Staff	115	@ 0.25 kg/day
2.	**Mercantile**		
	Staff	82,516	@ 0.25 kg/day
	Visitors	16,503	@ 0.15 kg/day
5.	**Landscape Waste**	39.97 Acres	@ 0.2 kg/acre/day
	TOTAL SOLID WASTE GENERATED		
	Bio-Medical Waste (@ 25% of Mercantile waste)		

	(v) Hazardous Waste Management	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 & Handling) Rules, 2016. ▪ 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.
12	**Other details** **(i) Noise Modelling with noise control measures for airports**	(i) N.A. --
	(ii) Details of water bodies, impact on drainage if any	(ii) No water bodies passing through the project area
	(iii) Details of tree cutting	**No trees have been proposed to be cut in the project area.**
	(iv) Energy conservation measures with estimated saving	The project planning is under process all standards measures will be taken for the energy conservation.
	(v) Green belt	Area under Landscaping = 1,57,460 Sq.mt.

	development (20 % of construction projects and 33 % for others)	Additional Green Area = All individual plots having their own green area as per the standard norms.
	(vi) Parking requirement with provision made	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	**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**	N.A.
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**	N.A.

<table>
<tr><td></td><td>information:</td><td></td></tr>
<tr><td>15</td><td>Other information (i) Investment/Cost of the project</td><td>Rs.318 Crore</td></tr>
<tr><td></td><td>(ii) Employment potential</td><td>200 Nos. (Approx.)</td></tr>
<tr><td></td><td>(iii) Benefits of the project</td><td>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.
<table>
<tr><th>S. No.</th><th>Amenities to be developed.</th></tr>
<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>
<tr><td>13.</td><td>Solid Waste Management Site.</td></tr>
</table></td></tr>
<tr><td>16</td><td>Date of Ground water clearance:</td><td>N.A.</td></tr>
<tr><td>17</td><td>Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost.</td><td>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.</td></tr>
<tr><td>18</td><td>Numbers of plantation with</td><td>Total green area measures 1,57,460 m^2 i.e. 10.00 % of the plot area which will be in the form of Herbs & Shrubs , Avenue plantation , Shelter belt and water</td></tr>
</table>

	name of species proposed & area allocated for plantation with budgetary provisions.	body within the project. Trees like *Azadirachta indica, Delonix regia, Jacaranda mimosifolia,* 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.

PP has submitted EIA Report letter no. 4946 dated 04/07/18 which was forwarded through SEIAA vide letter no. 1108 dated 12/07/2018.

The PP and their consultant presented the EIA where in PP stated that the proposed project will be developed on a total land area 19,08,580 m2 (190.858 Ha) out of which only 15,74,580 m2 (157.458 Ha) will be planned area for the scheme 166 of IDA. Balance area 3,34,000 m2 (33.400 Ha) has been transferred to Govt for public facilities development. Indore Development Authority will develop the infrastructure including roads, sewer line, CSTP (Common STP for Scheme no. 151, 166 and 169 B of Super Corridor), water supply line, electricity, etc. Water required for the project will be fulfilled by Yashwant Sagar and in the project area 21 existing trees and no tree failing is proposed. CSTP of 10 MLD capacity is proposed in the schemen which is also be common for scheme no. 166, 151, & 169 B. After detail discussion committee has aksed the PP to submit the following information:

1. Details of diffrenet electric substation/feeders (as 220, 132 and 33 kVA).

2. Copy of Agreement for land acquition with and details of PAFs.
3. Deilas of water balance.
4. Layouts of pits thar are proposd for water recharging.
5. Details of proposed overhead tank proposed by Nagar Nigam in the scheme.
6. Details of diffrenet electric substation/feeders (as 220, 132, 33 kVA).
7. Copy of last order sheet of litigation pending related to land acquition .
8. Design of drainage plan in the lay out map.

PP vide letter no 7176 dated 21/08/2018 submittd the reply of above queries and these query reply are placed before the committee after delibration committee found satisfactory and acceptable. Hence the case was recommended for grant of Prior Environment Clearance for Area Development of Scheme No. 166, Plot area 19,08,580 m^2, Planned Area 15,74,580 m^2 (157.458 ha.) at Village - Tigaria Badshah, Chota Bangarda, Tehsil & District - Indore, MP subject to the following special conditions:

(A) PRE-CONSTRUCTION PHASE

1. During demolition of any old structures, the entire area should be covered with 12 feet MS sheets and due care should be taken for noise and vibration control during demolition work.
2. Curtaining of site should also be carried out to protect nearby habitat.
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 labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

(B) CONSTRUCTION PHASE

6. During construction phase, a settling tank should be provided before final discharge of the effluent.
7. PPE's such as helmet, ear muffs etc should be provide to the workers.
8. Fire extinguishers should be provided on site during construction period.
9. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
10. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
11. 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 a minimum of 1,57,460 m^2 of the land area will be developed as green area in the form of Herbs & Shrubs, Avenue plantation, Shelter belt within the project. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

12. No tree failing is proposed.
13. The proposed landuse of the project is as follows:

S.	Particulars	Area (in Ha)	Area (in m^2)
1	Total Land Area of Scheme No. 166	190.858	19,08,580
2	Land transferred to Govt.	33.4	3,34,000
3	Area Available for Planning	**157.458**	15,74,580
4	Area under Master Plan road	20.61	2,06,100
5	Area of P.S.P. Plots	81.757	8,17,570
3	Area of Residential Plot	1.232	12,320
4	Facilities (Bank, Restaurant, DailyNeeds etc.)	0.438	4,380
5	Plot Area under coordination with Scheme No. 169- B	0.161	1,610
6	Area Under MPSEB	3.909	39,090
7	Area for Public Amenities (STP, Dry Waste, PUB, Toilet, OHT, etc.)	2.552	25,520
8	Area under Landscaping	15.746	1,57,460
9	Area for Parking	0.12	1200
9	Area under Roads & Pathways	30.933	3,09,330

14. SW storage area should have 48 hours storage capacity and MSW should be disposed off at a designated place in consultation with the local authority.
15. As proposed 62 nos. of rain water harvesting pits should be provided and their design should be designed as per guidelines of CGWA..
16. CFL/LED should be preferred over of tube lights.
17. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
18. PP should explore the possibility of providing solar street light.

19. As proposed there is no any DG set as a power back-up. The DG sets will be installed by the individuals purchasing the plot (Residential/Commercial) from Indore Development Authority (IDA).

(C) POST CONSTRUCTION/OPERATIONAL PHASE

20. Fresh water requirement for the project shall not exceed 1300 KLD.
21. CSTP of 10.2 MLD is proposed for the treratment of sweage.
22. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
23. Solar Street light is being proposed upto an extent of 30%.
24. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

(D) ENTIRE LIFE OF THE PROJECT

25. PP has proposed Rs. 100.00 lacks for water recharging, Rs. 200.00 lacks for green belt development and Rs. 600.0 lacks proposed for Development cost of S.T.P. in the proposed EMP of this project.
26. 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.
27. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.
28. 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.
29. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance

2. <u>Case No. - 2426/2015 Shri Braeajendra Sharma, Director, M/s S.R. Ferro Alloys, 9, Siddheshwar Colony, PO & Distt.-Jhabua (M.P.) – 457661 Jamli Choti & Arandi Falia</u>

Manganese Deposit Mine Lease Area - 15.26 ha., Capacity-38,000 cum/year) at Khasra No. – 255, 249, Vill.-Jamli Choti & Arandi Falia, Th.-Jobat, Distt.-Alirajpur -M.P.).

Earlier this case was scheduled for the TOR presentation in the 192nd SEAC meeting dated 08.05.2015 wherein it was recorded that: This is a mining project pertaining to mining of Manganese Ore from a lease area of 15.26 Ha. The project is covered under the provisions of EIA notification. It is mentioned as item 1(a) in the schedule of the EIA notification hence requires prior EC from SEIAA. The application for EC was forwarded by the SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. PP and his consultant presented the salient features, PFR and proposed TOR before the committee in this meeting. The project is located at Khasra No. – 255, 249, Vill.-Jamli Choti & Arandi Falia, Th.--Jobat, Distt.-Alirajpur -M.P.). It was reported that the project is not attracted by the General Conditions. PP submitted that the baseline environmental data has already been collected and requested the committee to allow him to use the same in EIA / EMP report. Based on the submissions made by the PP and the presentation the Committee recommended for inclusion of following points to be addressed in the EIA / EMP in addition to standard TOR:

1. Baseline environment monitoring data already collected may be used in the EIA / EMP report however it may be note that the data should not be older than 02 years. All data used in the report should be re-validated before use.
2. Compliances of the conditions of existing EC (if issued) duly verified from MoEF.
3. Vibration study to be conducted.
4. Production figures from 1994 onwards duly verified from Mining Department.
5. Existing status of the mining lease area.
6. Inventory of operating / proposed mines within 2 Km around the said mine.
7. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
8. Evacuation Plan to be provided with transport route, required infrastructure and man-power.

Earlier the case was recommended for delisting in the 314th SEAC meeting dated 10/05/2018 as neither the EIA is submitted by PP nor PP has submitted any request for TOR's validity extention and the validity of TOR is expired. Later on SEIAA has closed the case in its 483rd meeting dated 16/05/2018.

PP vide letter dated 19/06/2018 has applied for TOR's validity extention in SEAC with from-1 and PFR and thus the case was placed in the agenda for necessary action.

SEIAA vide letter No. 1294 dated 20/08/2018 sent back the file to SEAC for consideration and appraisal as PP vide letter dated 24/07/2018 has applied in revised form-1 and PFR in

accordance with the MoEF&CC OM dated 29/08/2017 for TOR validity extention. PP has also submitted the EIA on dated 16/05/2018 which is also forwarded by the SEIAAvide letter no. 1294 dated 20/08/2018.

The case was scheduled in the meeting as the validity of the TOR had expired on 07.05.2018.The committee observed that the TOR was issued by MoEF & CC on dated 08.05.2015 its validity was up to 07.05.2018 and as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014 it can be further extended for one year by regulatory authority. The case was presented by the PP and their consultant wherein PP informed that there is no change in the location and capacity of the project and thus their TOR may be extended for one year. The Committee after deliberations recommends that since PP has applied for the TOR validity extension with revised form-1 and PFR in accordasnce with the MoEF&CC OM dated 29/08/2017, the TOR's validity can be further extended for one more year with validity up to 06.05.2019 as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014. However, the EIA can be presented by the PP in the subsequent SEAC meeting after the TOR's validity extention is approved by the SEIAA.

3. **Case No.-5279/2016 M/s Shobha Minerals, 765, Napier Town, Jabalpur. Prior Environment Clearance for Laterite, Manganese, Iron & Yellow ochre in an area of 4.03 ha. (3, 07,235 TPA) at Khasra No. 99 at Village-Keolari, Tehsil - Sihora, Dist. Jabalpur. EIA Presentation. Env. Consultant – Creative Enviro Services, Bhopal.**

This is case of Laterite, Manganese, Iron & Yellow ochre. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 99 at Village-Keolari, Tehsil - Sihora, Dist. Jabalpur 4.03 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.-2101 dated: 16/11/15, has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 22.14 ha including this mine.

Environment setting

Locations	
Village	Keolari
Tehsil	Sihora
District	Jabalpur
State	MP
Nearest National/state Highway	NH-7 - 0.33km - WNW

Nearest Railway Station	Gosalpur -0.57 km - E
Nearest Airport	Jabalpur - 22.0km - S
Nearest Tourist Place	None in 10 km radius
Archaeological Important Place	None in 10 km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None in 10 km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Borha RF -4.9 km - SE
Nearest major city with 100000 population	Jabalpur
Nearest village	Keolari -0.19 km - SE
Nearest Town	Jabalpur -22.0 km - S
Physiography	Hilly terrain
Elevation (AMSL)	406-395M
Slope	Radial
Nearest River	Heron River - 3.50 km - NW
Nearest other surface bodies	Water reservoir – 3.70km - SW Canal - 5.60 km - SE Marel reservoir - 8.80km -ESE Barrne Reservoir – 7.75 km - ESE Moheri Reservoir – 9.10 km - S Barene Reservoir –6.60 km - SSE
Nearest hill/valley	None in 10 km radius
No. of mine located with 500m radius	1.) Shri Shiv Kapoor (0.840) ha 2.) Smt. Laltesh Singh w/o Shri Pratap Singh (4.890ha) 3) Ms. Jakhodiya minerals (6.880ha)
Elevation (AMSL)	406-395 M
Surrounding features	East- Agricultural land West – Agricultural land North –Agricultural land South - Waste land followed by Village road

Sailent feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	4.03 ha
Existing Pits & Quarries	1.6886 ha
Existing Dumps	Nil
Infrastructure and road	0.15ha
Plantation	0.10 ha
Total geological Reserve	3535450 MT

Total Minable Reserve	1657710 MT
Method of mining	Fully - mechanised
Existing depth of pit	20m bgl (375 m AMSL)
Ultimate Depth of pit	25m bgl (370 m AMSL)
Expected Life of Mines	6 years
Stripping Ratio	Nil
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	2.6143 ha
Area to be reclaimed till conceptual period	Nil
Area to be rehabilitated by afforestation in conceptual period	1.85 ha
Area to be covered under water reservoir	1.9969 ha
Monsoon period	35 m bgl (360m AMSL)
Dry month	40 m bgl (355m AMSL)
Production per day(T)	1024 MT
Truck per day (24t)	43 Nos
Supply location	Beneficiation plant, cement plant and steel plant
Validity of Consent to operate	31.10.2016

GEOLOGY OF THE MINE:

Geology and deposit appraisal	
Local geology	The lease area has ore zone having laterite /iron ore in lumps /Mn ore pebbles in a capping from for 6-9 m and resting over the iron ore fines within phyllitic formation. The beds are steeply dipping to south the south and belong to mahakaushals. The regional set up is NE- SW dipping 60^0 S while in the area strike is NW- SE
Lithology	The lease area is occupied by 8-9 m thick capping of ore zone(ore zone is assemblage of laterite + iron ore+ Mn ore) and this capping is resting over the blue dust (iron ore fines)+ Mn ore zone and thickness of ore zone below capping is near about 20m .
Average thickness	20m
Lease area	4.03ha
Mineable area	3.0388 ha
RL	406- 395 M
Height of bench, width and no of bench	Existing - 2-6 m, 2-12 and 3 no. Proposed – 6m, 6m and 7 no.

<table>
<tr><td>Width of haulage road</td><td>6-7m</td></tr>
<tr><td>Gradient</td><td>1:16 to 1:20</td></tr>
<tr><td>Mineral reject</td><td>Nil</td></tr>
<tr><td>
<table>
<tr><th>Items</th><th>Existing</th><th>At the end of conceptual period</th></tr>
<tr><td>Total lease area</td><td colspan="2">4.03ha</td></tr>
<tr><td>Mineable area</td><td colspan="2">3.0388 ha</td></tr>
<tr><td>Ultimate depth of mining</td><td>20m bgl (375m AMSL)</td><td>25m bgl (370 m AMSL)</td></tr>
<tr><td>Ultimate pit slope</td><td>45 ^{o}</td><td>45 ^{o}</td></tr>
<tr><td>Area under dumps</td><td>Nil</td><td>Nil</td></tr>
<tr><td>Area under mineral stack</td><td>1.0614ha</td><td>Nil</td></tr>
<tr><td>Area under pits</td><td>1.6886 ha</td><td>2.6143ha</td></tr>
<tr><td>Area to be backfilled</td><td>Nil</td><td>Nil</td></tr>
<tr><td>Infrastructure & Road</td><td>0.15 ha</td><td>0.11 ha</td></tr>
</table>
</td><td>No intercalated waste while the voids will be 5% in ore zone as recovery loss.</td></tr>
</table>

Plantation	0.1ha	1.85 ha
Water body	0.15 ha	1.9969ha
Intercalated waste		

Post land use plan

The case was presented by the PP and their consultant in the 41st SEAC-II meeting dated 26/07/2016, wherein it was recorded that: Being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

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

PP has submitted the EIA report vide letter dated 20/07/2018 which was forwarded through SEIAA vide letter No.-1185 dated 24/07/2018.

The EIA was presented by the PP and their consultant. During presentation PP presented the salient features of the project, baseline data and the proposed EMP before the committee. The presentation and the submissions made by the PP reveals following:

It was submitted that it was operating mine having valid lease up to 2027. However in view of the Judgmenet of Honorable NGT,, wherein it was directed for having environmental clearance for all operating mines and therefore production was stopped in year 2014 and applied for environment clearance. The Tor was issued for the project on 04.08.2016 and public hearing was conducted on 21.02.2018. The proposal is for environment clearance for capacity of 307235MTPA from opencast mining. Accordingly the mine plan has been approved.

CO-ORDINATE OF THE LEASE BOUNDARY PILLAR

Pillar No.	Latitude	Longitude
1.	23° 22‘48.6"N	80°03‘11.2"E
2.	23° 22‘53.3"N	80°03'11.4"E
3.	23° 22‘55.4"N	80°03‘07.9"E
4.	23° 22‘55.6"N	80°03‘04"E
5.	23° 22‘53.7"N	80°03‘03.3"E
6.	23° 22‘50.1"N	80°03‘02.1"E
7.	23° 22‘49.7"N	80°03‘03.5"E
8.	23° 22‘49"N	80°03‘04.1"E
9.	23° 22‘48.1"N	80°03‘03.3"E
10	23° 22‘47.8"N	80°03’03.6"E
11.	23° 22‘48.5"N	80°03‘05.6"E
12.	23° 22‘48"N	80°03‘08.6"E

It was repoted by the PP that:

- The lease was granted for period of 20years from 19.06.2007 to 18.06.2027.
- The mining operation is closed
- The lease area comes under Govt land.
- Three other lease area is located within 500m radius
- mine is being operated with valid consent of MPPCB which is valid till 31.10.2016
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur

Method of Mining

- Presently opencast method of mining (OTFM) is already in operation.
- Operation of mining is being carried out by manual and deployment of heavy earth moving machineries for excavation, loading & transportation on single shift basis in the iron ore, mn ore and laterite deposit at the east central part of the lease.
- Seven production benches of 2-6m height will be developed in laterite, Mn ore and iron ore zone to achieve 307235T per annum production.
- Haulage roads 6-7m wide will be developed from east to west of the proposal and at required places, it will laid at maximum 1: 1 6 gradient from surface stack yard RL of 402m to pit bottom at 370mrl with in bye roads to faces of individual benches.
- During the past mining period two pits are developed upto 375m AMSL.
- At the end of conceptual period, both the pits will be merged together and there will be only single pit will be developed upto 370m AMSL.

Details of existing and proposed garland drain		
Garland drain no.	**Location of Garland drain**	**Size mL X mW X mD**
Existing garland drain		
EGD_1	OB Dump (BP-6 to BP-4)	168.00X 1.00X 0.50
EGD_2	Toe of hillock (BP-1 to BP-11)	150.00X 1.00X 0.50
Proposed garland drain		
PGD_1	BP-5 to BP-2	226.00 X 1.00 X 1.00
PGD_2	BP-2 to BP-1	154.00 X 1.00 X 1.00
PGD_3	BP-6 to BP-9	73.00X 1.00 X 1.00
PGD_4	BP-11 to BP-10	56.00X 1.00 X 1.00

- It is proposed to make 10 number of settling pits within the garland drain and proposed to connect drains to large settling tanks through these pits to avoid silt discharge from open ended drains

Following settling pits are suggested to control sedimentation problem

Details of Existing and proposed settling pit		
Indentified Drain With No.	**No. of Settling Pit**	**Size of Settling Pit (M) W X L X D**
EGD_1	ESP_1	0.5x0.35x1.5
EGD_2	ESP_2	0.5x0.35x1.5
EGD_1	PSP_1	0.5x0.35x1.5
EGD_1 & PGD_3	PSP_2	0.5x0.35x1.5
EGD_2	PSP_3	0.5x0.35x1.5
PGD_1	PSP_4 & PSP_5	0.5x0.35x1.5
PGD_1 & PGD_2	PSP_6	0.5x0.35x1.5
PGD_2	PSP_7	0.5x0.35x1.5
PGD_2 & EGD_1	PSP_8	0.5x0.35x1.5
PGD_3	PSP_9	0.5x0.35x1.5
PGD_4	PSP_10	0.5x0.35x1.5

Details of water consumption	
Spraying of water over transport road for Dust suppression Length of road – 70m , (6mt width) 70m X 6.0m = 420 Sqm No. of tankers required – 01 Tanker capacity – 5.0KL	Mineral per day – 1024 T, dumper capacity – 24T, working hr/day –8 hrs, dumper required per day – 43 no, movement per hr –43/8= 5.37 Say 5 no. per hr Water Requirement @ 1.0lit per Sqm Hence 420sqm @1.0 lit = 420 liter per trip One trip per hours of water tanker and 8 trip of water tankers per day =0.42 KL/trip X 8= 3.36 says 4KLPD

Spraying of water over haul road for dust suppression Length of road –500 m, (6.0 mt width) 500 m X 6m = 3000 SQM No. of tankers required – 01 Tanker capacity – 5.0KL	Mineral per day – 1024 T, dumper capacity – 24T, working hr/day –8 hrs, dumper required per day – 43 no, movement per hr –43/8= 5.37 Say 5 no. per hr Water Requirement @ 1.0lit per Sqm Hence 3000sqm @1.0 lit = 3000 liter per trip One trip per hours of water tanker and 8 trip of water tankers per day =3.0 KL/trip X 8= 24 KLPD
Water requirement for green belt development	Plantation area 1.6174ha (@1.0lit/sqm) avg. 5000sqm per day = 5.0KL/day
Domestic water requirement @45lit/person	Total worker – 80@45lit = 3.60 say 4.00 KL/day
Total water required per day	Dust suppression –28kl Domestic use –4.0 kl Green belt development – 5.0kl Total –37.0KL
Water requirement per year	37@300 = 11100.00KL

Plantation Details:

Time Bound Plantation Programme		
Year	**Area**	**Number of Plants**
1st	0.50ha + 300m (Road side)	1000 + 240 = 1240
2nd	0.25 ha	500
3rd	0.25ha	500
4th to CP	0.6174	1235
Total	**1.6174+300m (road side)**	**3235+240 = 3475**

Total Cost (EMP + CSR+ plantation + Monitoring)		
Particular	**Amount (Lakh) per annum - Capital**	**Amount (Lakh) per annum – Recurring**

Dust Suppression through tanker over 0.07 km road * 6.0m (15 Rs/km inclusive diesel exp, driver exp and maintenance) Approx running per day 1.120km @300 day (over road) = 336km	-	0.05 Says 0.05
Dust Suppression through tanker over 0.500 km road * 5.0m (20Rs/km) Approx running per day 8.0km@300 day	-	0.48 says 0.50
Sub Total		**0.55**
Plantation (Capital cost) Along the village Road 240no. @ 355	0.85	-
Maintenance of Plantation (Along the village Road & lease area) @ Rs 45/- per plant	-	1.00
Plantation (Capital cost) within lease area 3235no @250	8.09	
Sub Total	**8.94 says 9.00**	**1.00**
Roads repair and maintenance (0.07km X 6.0mW@2.0 lakh per Km)	-	0.14
Construction of transport road (0.07km X 6.0mW@9.0 lakh per Km)		0.63
Sub Total	**-**	**0.77**
Occupational health and safety exp. half yearly medical check-up of workers 80no of workers	1.00	0.30
Sub Total	1.00	0.30
Environmental Monitoring cost	7.50	6.70
Sub Total	**7.50**	**6.70**
Fencing around the lease periphery (926m@300 running meter)	2.78	0.50
Sub Total	**2.78**	**0.50**
Construction of retaining wall around the lease periphery (926m@500 running meter)	4.63	0.93
Sub Total	**4.63**	**0.93**
Total EMP cost	24.91	10.75
CSR cost	5.00	9.00
Sub Total	**5.00**	**9.00**
Public hearing issue		
Renovation of temple	0.50	0.10
Training of driver	-	0.10
Sub Total	**0.50**	**0.20**
Grand Total	**30.41**	**19.55**

The case was presented by the PP and their consultant and after presentation PP was asked to submuit response on following:

1. Coomitment of PP that no production is carriedout till date as during presentation PP submitted that since November, 2014 mine is cosed.
2. Revised EMP incorporating the cost of road construction.

PP has submitted the reply of above vide letter dated 21/08/2018 and the same was placed before the committee. Committee on perusal fined reply acceptable. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Laterite, Manganese, Iron & Yellow ochre in an area of 4.03 ha. (3, 07,235 TPA) at Khasra No. 99 at Village-Keolari, Tehsil - Sihora, Dist. Jabalpur. (MP).subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Tar/WBM road of 70 mts for carrying out the transporation 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 pruposes and blasting shall not be deployed.
10. Reatining wall along with drain shall be provided all around the down side of the hillock with atleast 1 mtrs height.
11. PP shall carry out slope stability study onec in year and report shall be submitted MP, SEIAA/ SEAC.
12. PP shall contruct a pucca road of 70 mtrs length as proposed during the presntetaion.
13. Provision of solar pumps shall be made for various pruposes during mining operation.

14. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
15. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3475 no's of trees will be planted along and within the ML.
16. Transportation of material shall be done in covered vehicles.
17. Transportation of minerals shall not be carried out through forest area.
18. The OB as murum shall be eutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
19. No water shall be discharged out side the mine and "Zero Liquid Discharge" should be maintained.
20. There are two garland drains having dimension of 168.00X 1.00X 0.50 and 150.00X 1.00X 0.50 and further four drains are proposed which will have dimesion of 226.00 X 1.00 X 1.00, 154.00 X 1.00 X 1.00, 73.00X 1.00 X 1.00, 56.00X 1.00 X 1.00 with 10 settling pits should be provided to avoid silt discharge. One settling tanks of 1.9969 ha shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
21. Water sprinkling through tankers should be provided on 500 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 70 meters long and width 06 meters wide transport road for dust suppression.
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	**Existing**	**At the end of conceptual period**
Total lease area	4.03ha	
Mineable area	3.0388 ha	
Ultimate depth of mining	20m bgl (375m AMSL)	25m bgl (370 m AMSL)
Ultimate pit slope	45 ^{o}	45 ^{o}
Area under dumps	Nil	Nil
Area under mineral stack	1.0614ha	Nil
Area under pits	1.6886 ha	2.6143ha
Area to be backfilled	Nil	Nil

Infrastructure & Road	0.15ha	0.11 ha
Plantation	Nil	1.00ha
Un-worked area	1.13ha	0.3057ha
Total	**4.03ha**	**4.03ha**
Water body	0.15ha	1.9969ha
Plantation	Nil	1.6174ha (3235no.)
Un-worked area	Nil	1.00ha (2000 no.)
Bench of pit	Nil	0.6174ha (1235no.)

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. 24.91 lacks and Rs. 10.75 lacks /year are proposed as recurring expenses out of which Rs. 9 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. 5 lacks and Rs. 5 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. renovation of temples, training of dirvers (0.50 Lacs and 0.20 Lacs) 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 21.08.2018.
36. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

4. <u>Case No. -5168/16 M/s D.P. Rai, "Nanhaka", 10, East High Court Road, Ramdeshpeth, Nagpur (MS). Prior Environment Clearance for Mangnese Ore Deposit in an area of 4.232 ha. (expansion from 2,000 to 3,600 TPA) at Khasra No. 1, 2P, 4P, 9P, 10P, 11P at Village-Pandharwani, The.-Khairlanji, District-Balaghat (MP).Env. Consultant – Creative Enviro Services, Bhopal.</u>

This is case of Mangnese Ore Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 1, 2P, 4P, 9P, 10P, 11P at Village-Pandharwani, The.-Khairlanji, District-Balaghat (MP) 4.232 ha. The project requires prior EC before commencement of any activity at site.

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

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Hydrogeological studies should be carriedout and be discussed in the EIA report.
5. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional officer.
6. Detailed plantation scheme with budgetary allocations be provided in the EIA report.
7. Mine water management plan be provided in the EIA report.

PP has submitted the EIA report vide letter dated NIL, which was forwarded through SEIAA vide letter No.-1231 dated 27/07/2018.
EIA was presented by the PP and their consulatant wherein P.O and his consultant presented the salient features of the project, EIA, baseline data and the proposed EMP before the committee. The presentation and the submissions made by the PP reveals following:

The mine is being operated with open cast (float ore working) and now is proposed opencast as well as underground method. The adjacent lease of 14.90 ha of same proponent was granted EC by SEIAA on 01.03.2018 for underground and opencast working. The ore body of 14.90 ha is anticipated to cross the patch of 114.08 sq mt only having reserve of 14002 tonne and therefore underground working may be required for excavation of mineral in the patch of 4.232 ha.The entire infrastructure developed for underground working in 14.90 ha shall be utilized for the mining of ore in 4.232 ha, if required. Float ore working will also continue in the lease area.

Environment Setting

Particulars	Details
Locations	Pandharwani, Khairlanji, Balagha, MP
Latitude Longitude	$21^0$37'27.60" to $21^0$37'39.30" North 79^o50'26.50" to 79^o50'39.80" East
General ground level	350m – 346m AMSL
Nearest National/state Highway	Bithali – Garrachouki road -1.40km- NNW
Nearest Railway Station	Katangi Railway Station – 16.50Km
Nearest Airport	Nagpur - 120 km
Nearest Tourist Place within 10km radius.	None
Archaeological Important Place within 10km radius.	None
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Mohanghat RF - 1.0km – ESE Kapurwihiri RF – 2.30km - SW Chikhla RF - 6.80km – NE
Nearest major city with 100000 population within 10 km radius	None
Nearest Town / City within 10km radius	None
Nearest Village	Jaitpur khapa - 0.25km - NNE
Nearest River/ Nalla	Bainganga River - 6.50 km -SW Biloni N - 8.50km - WSW Canal - 3.25km - N Village Pond - 0.40km - N Village Pond - 2.70km - SW Village Pond - 1.50km - S Village Pond - 0.90km - SE
Nearest Hill Ranges	None within 10km radius
Other lease area within 500m radius	1. 14.90ha Pandarwani Mn Ore mine – Same Lessee – Running – Adjacent 2. 9.311ha Miragpur Mn Ore mine- Shri – Kailash Jain Chouradiya- Proposed – West 3. 24ha – DP Rai Miragpur Mn ore mine

Industry within 10km radius	None within 10km radius

Salient feature of the lease area:

Particulars	Details
Type of Mine	OC and U/G
Mining Lease Area	4.232 ha
Mineable Area	3.083 ha
Existing Pits & Quarries	1.1109 ha
Existing Dumps	0.20ha
Plantation	Nil
Mineable Reserve	33084 MT
Method of mining	OTFM & Underground
Stripping Ratio	1:7
Ultimate Depth of Mining	106m bgl (upto 240m MSL)
Ultimate Pit Slope	60^o
Expected Life of Mines	9 year
Lease Period	22 year up to 2020
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	3.0831 ha
Area to be reclaimed by conceptual period	2.9887ha up to 4.25 m
Area to be covered under plantation by conceptual period	3.9887 ha
Area to be covered under water reservoir	0.0943 ha
Elevation	360-346 m MSL
Ground water table	
Monsoon period	12m bgl (334m MSL)
Dry month	17mbgl (329m MSL)
Production per day	18 MT
Dumper required per day & capacity	1 no. & 24MT

Geology of the Mine

Geological Characteristics of the applied Lease Area
Soil mixed with murrum – 3-4m Mica Schist – 39m Mn Ore with Gondite – 5m thickness upto 240mRL

The lease is contiguous to 14.90 ha of the same lessee and hence exploration carried out in 14.90ha area is same for 4.232ha. Present pit is up to 303mRL and 1600mm of exploratory drilling comprising of 15 bore holes were carried out.

Exploration proved an average 12m wide Mn ore body in central part of the area, running in NE to SW-W direction from 35m to 86m in depth. Depth increasing from west to NE direction from 35m to 86m. OB thickness varies from 3-4m lateritic soil cover followed by mica schist of average thickness 45m. OB thickness is decreasing from 95m to 10m in the same direction i.e. West to NE direction.

In 4.232ha the Mn ore band is having an average width of 12m and depth or thickness is 35m. Earlier the ore body was exposed from 335m and due to exploration Mn ore mineralization reached up to mRL 303.

Total Cost Pertaining To Environmental Aspects:

Total Cost (EMP + CSR+ plantation + Monitoring) (Lakh)		
Particular	**Capital**	**Recurring**
Dust Suppression through tanker over 0.350km road * 6.0m (15Rs/km) Approx running per day 3km@200 day (over road)		0.09 @ 0.10 (600X15)
Dust Suppression through tanker over 0.5 km road * 6.0m (20Rs/km) Approx running per day 4.0km@300 day (over road)		0.25 @ 0.30 (1280X20)
Sub total	**-**	**0.40**
Roads repair and maintenance (1.50km@2.0 lakh per Km)	-	3.00
Sub total	**-**	**3.00**
Occupational health and safety exp.	5.00	2.00
Sub-total	**5.00**	**2.00**
Environmental Monitoring cost	10.00	5.87
Sub-total	**10.00**	**5.87**
Maintenance of Plantation (Along the village Road & lease area)	-	3.60
Plantation (Capital cost) within lease area	11.20	
Sub-total	**11.20**	**3.60**
Total cost for EMP	**26.20**	**14.87**
CSR cost	2.50	7.00

Sub total	**2.50**	**7.00**
PH issue		
Construction of road – 1.50km @9.00Lakh /km	13.50	-
Hand pump for drinking water facility (Two hand pump at Jaitpur khapa)	3.00	0.25
Grand total	**45.20**	**22.12**

The case was presented by the PP and their consultant and after presentation PP was asked to submuit response on following:

1. Coomitment of PP that between ground mining operations and open cast mining operation a minimum of 60 meters distance will be maintained.

PP has submitted the reply of above vide letter dated 21/08/2018 and the same was placed before the committee. Committee on perusal fined reply acceptable. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Mangnese Ore Deposit in an area of 4.232 ha. (expansion from 2,000 to 3,600 TPA) at Khasra No. 1, 2P, 4P, 9P, 10P, 11P at Village-Pandharwani, The.-Khairlanji, District-Balaghat (MP).subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. PP shall demarcate a barrier zone of 7.5 m as no mining zone in the periphery of mining lease area and develop a green belt excluding of the barrier zone of 14.90 ha which has been amalgamated with the subject proposal .
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out common fencing all around the lease area of 14.90 ha and 4.232 ha.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water shall be undertaken.
8. Tar/WBM road of 350 mts for carrying out the transportation shall be constructed prior to operation of mine.

9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. The distance between underground working and float ore working shall be maintained at 60 mtrs as per statutory provision.
11. PP should Construct garland drain all along the lease area and OB dumps with total 08 number of settling pits with in drain and proposed to connect drains to large settling tanks through these pits to avoid silt discharge from open ended drains. PP should ensure zero discharge from the mined area. Apart from existing garland drain, following drain shall be constructed as proposed:1000x 0.25 x 0.50, 500.0 X 0.25X 0.50, 275.0 X 0.25X 0.50
12. Following setting tanks shall be constructed apart from the existing tanks for better management of water environment, 10.0L x 5.0W x 5.0m D, 10.0L x 5.0W x 5.0m D, 1.0ha x 5.0m D
13. PP shall ensure to conduct a regular monitoring of ground water level with in 2 km radius of mining lease area.
14. PP shall carry out subsidence study once in year and report shall be submitted MPSEIAA/ SEAC
15. Tar/WBM road of 350 mts for carrying out the transportation shall be constructed prior to operation of mine.
16. Provision of solar pumps shall be made for various purposes during mining operation.
17. 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.
18. Plantation on 3.9887 ha areas with 8000 numbers of tree and additional plantation of -280 should be done on both side of the transport road shall be carried out to lessen the air pollution and enhance aesthetic beauty of the area plantation Program as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and sprit.
19. Transportation of material shall be done in covered vehicles.
20. Transportation of minerals shall not be carried out through forest area.
21. PP should follow all safely measures mentioned in DGMS norms.
22. Vibration study of the area shall be carried out in consultation with the stakeholders through any authorized technical institution to mitigate the concern raised.
23. The ventilation surveys will be conducted in each quarter.
24. Periodic maintenance of haulage and village road will be carried out.

25. Proper care and safety precaution through intermittent studied shall be undertaken to avoid any land subsidence and void created after exploration of ore will be filled properly by mine waste/sand/fly ash/slag/tailing waste etc as per approved mine plan.
26. During the proposal period, exiting dump will be rehandled and same will be used for backfilling in the adjacent/contiguous mine of the same lessee
27. Water sprinkling through tankers should be provided on 500 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 70 meters long and width 06 meters wide transport road for dust suppression.
28. 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.
29. The existing and proposed land use plan of the mine is as follows:

Items	Existing	Conceptual Period
Total lease area	**4.232 ha**	
Area under dumps	0.20 ha	Nil
Area under sub grade dump	Nil	Nil
Area under pits	1.1109ha	3.0831 ha
Infrastructure & Road	0.20 ha	Nil
Mineral storage	Nil	0.14ha
Plantation	Nil	1.00 ha
Un-worked area	2.7211ha	0.0089ha
Total	**4.232ha**	**4.232ha**
Water body	0.50ha	0.0944ha
Area to be reclaimed	Nil	2.9887ha
Plantation	Nil	3.9887ha (8000No.)
Un worked area	Nil	1.00ha (2000 No.)
Backfilled area	Nil	2.9887ha (6000 no.)

Any change in conceptual land use shall be intimated to SEIAA.

30. 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.
31. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
32. The commitments made in the public hearing are to be fulfilled by the PP.
33. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

34. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.
35. For underground operations, natural ventilation should be provided (Veq at the rate of 0.85 to 0.95) in all working shifts through vertical shaft and main incline and ventilation survey should be conducted on each quarter and flow of air (intake and return) should be monitored on daily basis as per DGMS norms.
36. For mining operations following standard illumination should be provided as per DGMS norms.

For surface Lighting		
For underground Lighting		
Sl.No.	**Location**	**Illumination in Lux**
1	Incline main travelling road way	0.5 lux
2	Incline pit bottom	1.5 lux
3	Vertical shaft bottom	1.5 lux

37. For roof support system, as proposal steel roads should be at least 1.50 meter long with minimum 20 mm diameter and the diameter of holes should be less than 32mm.the load bearing capacity of each bolt shall be at least 02 tones of load in one hour, 04 tones of load in 04 hours and 06 tones of load in 08 hours.
38. The back of excavated area shall be supported by fully grouted cable bolts of 12 mm at an interval of 2.0 m X 2.0m in a grid pattern with one additional 2.0 m long fully grouted rock bolt in the center of the grid. Diameter of each cable bolt shall be at least 16 mm and cables bolts shall be installed in the back of the stope in such manner that its length in the back at no time shall be less than 4.0 m (for 8.0 m wide stops) and 6.0 m (for 22.0 m wide stops).Each cable bolt shall be capable of bearing at least 25 tones of load.
39. The hanging wall shall be supported by fully rock bolts at least 2.0 m long at maximum interval of 2.0m X 2.0m in grid pattern. The bolts shall be installed perpendicular to the foliation plan of rocks mass with one row of chocks shall be provided at an interval of 3.0 meter all along the hang wall side in the stope as and when required. Similarly, additional rack bolts shall be provided as and when required.
40. The freshly exposed footwall area shall be supported with cable bolts of suitable length and the distance between the cable bolt and footwall shall in no case be more than 2.0 m if required, inclined cable bolts shall also be provided to ensure the same. if clay bands/geological disturbances exposed in footwall, the side shall be immediately supported by 2.0 m long fully grouted steel bolts in a grid pattern of 2.0 m X 2.0 m. The bolts shall be installed perpendicular to foliation of the rock mass.
41. Wet drilling system and controlled NONAL blasting with low charge (if requited) as prescribed by DGMS should be practiced.

42. As proposed by PP, safety distance of 100 m between u/g and o/c operation shall be maintained to prevent entering of water in u/g operation. In this regard all the norms stipulated by DGMS should be complied.
43. Sand stowing shall be carried out as per the plan submitted in EIA using sand and fly ash. Any other material such as tailing waste or slag should be used with sand for stowing only after confirming its suitability by lechate study.
44. Blast vibration study should be carried out once in a year and their record shall be maintained.
45. PP should carryout load testing after one hour of bolting.

(C) ENTIRE LIFE OF THE PROJECT

46. Proper infrastructure with shelter, Drinking water, Toilet and first-aid facilities shall be provided for the laboures. A provision should be made to construct a pucca rest shelter of 8m x 6m along with toilets and drinking water facility
47. Condition of existing settling pits should be improved and stone pitching should be carrying out for their stability.
48. Separate cell be constructed for environment management, complaints and grievances nd compliance of conditions
49. The proposed EMP cost is Rs. 26.20 lacks and Rs. 14.87 lacks /year are proposed as recurring expenses out of which Rs11.20 lacks is proposed for green belt development inclusive of green belt along transport raod and Rs. 3.60 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
50. Under CSR activity, Rs. 2.50 lacks and Rs. 7 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
51. The adequate budget shall be provided for the PH issue i.e. construction of road , provision of hand pump , (16.50 Lacs) and protection measures like construction of retaining wall etc .
52. 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.
53. 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.
54. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
55. PP will comply with all the commitments made vide letter dated 21.08.2018.

56. 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. - 5662/2018 M/s Aarti Industries Ltd, 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund - West Mumbai, (Maharastra) - 400080 1981 date 22/03/18 rec date 23/03/18. Prior Environment Clearance for Capacity Expansion from 16,000 MTPA to 36,000 MTPA of Manufacturing of Sulfonated Products (Synthetic Detergents and Soaps) facility at Plot No. 57, 62, 63 & 64, Pithampur Industrial Area, Sector-3, Sagor Village, Pithampur, Dist. Dhar, (M.P.) Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & dye Intermediates; Bulk drug) Project. FoR – EIA Presentattion. Env. Con. – Env. Con. – EQMS, Delhi.

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.

PP and their consultant presented the case for ToR before the SEAC in its 311th meeting dated 16/04/2018. The submissions and the presentation made by the PP and his consultant revealed following:

Salient of the Project

Project Proponent	M/s. Aarti Industries Limited
Existing capacity	16000 MTPA of Sulfonation products (Synthetic detergents and soaps) and 607 MTPA of by products
Proposed capacity	36000MTPA of Sulfonation products (Synthetic detergents and soaps) and 1015MTPA of by products
Estimated Project Cost	Existing : 1156.00 Lakh Proposed : 4344.00 Lakh Total cost – 5500 Lakh
Land	17240.00 SqM
Total Water Consumption	Existing 131.50KLD Proposed : 131.50 KLD (Total – 263KLD)
Source of Water Supply	Through AKVN Supply

Waste Water Generation	48 KLD
Treatment Facility	Existing : ETP Capacity- 45 KLD MES Capacity : 30 KLD, RO : 38 KLD Proposed: STP Capacity- 10 KLD
Source of power supply	Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company
Power Requirement	Existing : 1500 KVA (existing) Proposed : 1010KVA (Total – 2510)
Fuel Options	Fuel: Coal for Boiler and HSD for DG sets
Major Equipments	Multi Tube Reactor, Annual Falling Film reactor, Neutralization Skid, Hydrolyzer, Agitated Thin Film Dryer, Filters, Air Drying Plant, Boiler, Cooling Tower, Air Pollution Control Devices, MES, ETP, STP and RO etc.
Green Belt	Existing : 731 SqM Proposed: 4958.2SqM
Employment generation	Existing 120 Proposed : 240 (Inclusive of Existing)

The case was presented by the PP and their consultant wherein committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and conditions mentioned in annexure-D:

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. Detailed plantation scheme essentially incorporating thick peripheral plantation to be furnished along with mapping of green areas on a lay-out map.
6. Inventory of all types of hazardous wastes expected from the industry with handling and management plan to be presented.

7. 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.
8. Existing pollution load with respect to air / water and soil to be presented.
9. List of material proposed to be stored beyond the prescribed thresh-hold limits.
10. Use of fly-ash to be discussed in EIA report.
11. Details of solvent recovery system should be provided in the EIA report.

PP has submitted the EIA report vide letter dated 20/07/2018, which was forwarded by the SEIAA vide letter no. 1205 dated 25/07/18.

The EIA was presented by the PP and their consultant. The submissions and the presentation made by the PP and his consultant revealed following:

Salient of the Project:

Unit has purchased old plant of M/s. Kripa Industries Ltd which was in operation prior to EIA notification 2006 and unit was operated for same production capacity i.e. 16000 TPA since then. Since Kripa Chemical was closed for more than 10 years, Aarti needed investment to replace old and corroded equipments of Kripa; as well as Installation of additional Pollution Control Devices, etc in order to meet environmental norms. It is proposed to upgrade the existing plant and machineries and installation of dryer to archive the enhanced production capacity of 36000 TPA.

The project occupies Total Plot Area of 17,240 sqm. The total fixed cost of the project is INR 55 Crore as per the company gross book value. The water requirement for the existing project is 131.50 KL per day which will be increased to approx. 263 KLD and sourced from AKVN. Total cumulative waste water generation of 48 KLD will be treated in ETP & STP of 45 KL/day & 10KL/day respectively.

The treated water will be used for cooling towers, floor washing and gardening/green belt. Waste generated during the manufacturing process and sludge from waste water treatment process will be disposed at authorized TSDF facility.

Power requirement will be sourced from existing line of '**Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company**'. The company is already authorized to use power load of 2000 HP. (D.G. set (1500 KVA & 1010 KVA) will be used as a backup power source) M/s AIL (SSD) is having existing workers 120 number and will have total manpower of approx. 240 no. after expansion and will be from sourced from Pithampur and nearby villages/area and therefore no residential planning has been incorporated.

Synthetic Detergent	**Capacity, MT Per Year**		
Product	**Existing**	**Additional**	**Total**
Alfa Olefin Sulfonate (AOS)	16000 MT (100% Active Matter basis) (Either any one or combined)	20000 MT (100% Active Matter basis) (Either any one or combined)	36000 MT (100% Active Matter basis) (Either any one or combined)
Sodium Lauryl Sulfate (SLS) /Primary Alcohol Sulfate(PAS) / Sodium Coco Sulfate (SCS)			
Sodium Lauryl Ether Sulfate (SLES)			
Linear Alkyl Benzene Sulfonic Acid (LABSA /Acid Slurry)			
Ammonium Lauryl Sulfate (ALS)			
Ammonium Lauryl Ether Sulfate (ALES)			

By-product	**Quantity per Year, MT (Maximum)**		
	Existing	**Additional**	**Total**
Flue Gas Cleaning Residue	7	8	15
Sodium Sulfate Liquor	300	400	700
Sulfuric acid	300	0	300

Raw Material Requirement			
Raw Material	**Monthly Consumption (MT),Maximum**		
	Existing	**Additional**	**Total**
Sulfur	167	208	375
Fatty Alcohol	930	1170	2100
Fatty Alcohol Ethoxylate	1383	1717	3100
Alpha Olefin	933	1167	2100
Linear Alkyl Benzene	1052	1316	2368
Sodium Hydroxide	200	250	450
Ammonia	82	102	184

Environmental Setting of Project

S. No.	Particulars	Details
1	Co-ordinates	22°37'4.56"N - 22°37'11.85"N 75°36'0.75"E-75°36'9.48"E.
2	Height above mean sea	555-553 Meter

	level	
3	Nearest Town	Pithampur
4	Nearest Railway Station	Mhow, -19km
5	Nearest Airport	Devi Ahilyabai Holkar international Airport, Indore-23km
6	Nearest Highway/Road	NH-03 -6.75km Mhow- Ghatabillod Road – 1.25km
7	Hills/Valley	None in 10 km radius
8	Ecological Sensitive Zone	None in 10 km radius
9	Reserve Forest	Betma RF - 5.50km – NE PF - 2.75km- SE
10	Historical Place	None in 10 km radius
11	Nearest River/ Nalla	Chambal River– 5.75km- SW Angrer Nadi - 1.50km – SE Nulikhl Nalla – 6.50km - NNW Kishan pura Talab – 7.50km – NE Sanjay Jalashay – 7.75km - ESE

Water Environment

Break Up Of Water Consumption			
Area	**Existing Requirement (KL/Day)**	**Additional Requirement (KL/day)**	**Total Requirement (KL/day)**
Domestic	1.5	4.5	6
Process	19	11	30
Utility	82	112	194
Other (Scrubber)	2	4	6
Washing	24	0	24
Green belt	3	0	3
Total	**131.5**	**131.5**	**263**

Break up of Waste water Generation			
Area	**Existing (KL/Day)**	**Additional (KL/day)**	**Total (KL/day)**
Domestic (Toilets & Canteen)	1.5	4.5	6
Process	0	0	0
Utility	10	9	19
Other (Scrubber)	2	4	6
Washing	14	3	17
Total	**27.5**	**20.5**	**48**

Green Area Development:

PROPOSED GREEN BELT PLAN		
Year	**Area (sqm)**	**Number of Plants**
Existing	731	50
1st Year	2479.10	372
2nd Year	2479.10	372
Total Green belt area	5689.20	797

Total Cost for EMP:

	Total Cost (EMP + CSR+ Plantation + Monitoring)		
Sn	**Particular**	**Capital Amount (Rs in Lacs)**	**Recurring Amount per annum (Rs in Lacs)**
1A	Plantation (Capital cost)	2.50	-
1B	Maintenance of Plantation (within Plant site) @ Rs 45/- per plant	-	0.75
	Sub Total (A)	**2.50**	**0.75**
2	Occupational health and safety exp.	23	13.62
	Sub Total(B)	**23.00**	**13.62**

3	Environmental Monitoring cost	-	8.92
	Sub Total(C)	**-**	**8.92**
4	CSR cost	55	11
	Sub Total(D)	**55.00**	**11.00**
	Grand Total (A+B+C+D)	**80.50+545* (* for APCD/ETP/STP/RO/MESS/MES/ Green belt / Rain Water harvesting)**	**34.29 @ 35 (This cost does not includes the O&M cost of Air Pollution Control system, ETP, MEE, Incinerator, Green, Rain water Harvesting)**

The case was presented by the PP and their consultant. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for capacity Expansion from 16,000 MTPA to 36,000 MTPA of Manufacturing of Sulfonated Products (Synthetic Detergents and Soaps) facility at Plot No. 57, 62, 63 & 64, Pithampur Industrial Area, Sector-3, Sagor Village, Pithampur, Dist. Dhar, subject to the following special conditions:

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. PP will obtain other necessary clearances/NOC from respective authorities.
4. Provisions shall be made for the housing of construction/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

5. As proposed, the land allotted by AKVN shall be developed as green belt as early as possible.
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 recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority. Waste material may also be used for construction of internal roads.
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 1250 number of trees in addition to the existing plantation of 100 numbers will be planted. 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 Tran-sboundary Movement) Rules, 2016 after obtaining authorization.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

13. Total water requirement for the project (existing & expansion) shall not exceed 263 KLD.
14. No waste water shall be generated from the process. Total waste water generation from other sources shall not exceed from 48 KL/day. The existing ETP 45 KL/day and STP of 10 KLD shall be maintained and operated properly to meet out the given norms of MPPCB.
15. The treated water will be used for cooling towers, floor washing and gardening/green belt. No industrial effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained.
16. 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.
17. A drain along the boundary wall shall be made, which will be connected proposed settling tank/water reservoir to protect the flow of contaminant from outside of the plant.
18. The device best suitable for the project site will be installed for monitoring/detecting the concentration of toxic fumes/SO_3 in the work zone on continuous basis. Regular monitoring of gases , concentration in work zone shall be carried out
19. Height of proposed stacks will be as per statutory requirement. All the stacks will have Stack Monitoring Facility (SMF) consisting of sampling port-hole, platform and access ladder.
20. Bag Filters and alkali scrubber shall be installed for proposed expansion
21. On-line continuous monitoring system shall be provided for stack of boiler.
22. Ambient air quality shall be regularly monitored to ensure that ambient air quality shall be met the limit at all the time.

23. Regular monitoring of the stack emission of existing and proposed scrubber shall be carried out.
24. Additional greenbelt shall be developed around the plant and over plot allotted by AKVN to arrest the fugitive emission. Total green area of 5700 sq mtrs shall be developed as per given land scape plan.
25. Alkaline Scrubber shall be provided at reactor's vent to control process SO2/SO3 emission.
26. Fly ash generated shall be stored in silos and disposed of through Brick / Cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
27. Hazardous wastes should be disposed off as per the authorization issued by MP Pollution Control Board.
28. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
29. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
30. 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.
31. Measures should be taken to prevent entry of run-off 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.
32. 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.
33. 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.
34. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
35. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
36. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account or a proper and effective accounting system should be used.
37. The expansion project should also be monitored through SCADA system for effective monitoring and data should be recorded for the compliance purpose.
38. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

39. 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.
40. 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.
41. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
42. Ultrasonic/Magnetic flow/Digital meters shall be provided at all water abstraction points and records for the same shall be maintained regularly.
43. 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

44. The proposed EMP cost is Rs. 625.50 Lacs as capital and Rs. 35 lacs /year (Exclusive of the O&M cost of Air Pollution Control system, ETP, MEE, Incinerator, Rain water Harvesting) are proposed as recurring expenses out of which Rs. 2.50 lacs is proposed for additional green belt development and Rs 0.75 lacs /year for recurring expenses for plantation in the proposed EMP of this project.
45. Under CSR activity, Rs. 55 lacs are proposed for the next 05 years in different activities and should be implemented through respective committees.
46. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored 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.
47. 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.
48. 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.

49. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

50. 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.

6. <u>Case No. - 5652/2018 M/s D.G.Stones Ltd, 158, Third Floor, Zone-II, M.P.Nagar, Bhopal – 462011 Prior Environment Clearance for Granite Deposit in an area of 6.0 Ha. (Murum – 9,643 TPA) (Khasra no. 593 Part,) at Village- Lavkushnagar , Tehsil - Lavkushnagar, Dist. Chhatarpur (MP)</u>

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 593 Part,) at Village- Lavkushnagar, Tehsil - Lavkushnagar, Dist. Chhatarpur (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 Assistant Mining Officer vide letter no. 1467 dated: 02/6/2017, has reported that there are 02 more mine operating or proposed within 500 meters around the said mine with total area of 11.750 ha including this mine.

Earlier this case was scheduled for presentation in the 309th SEAC meeting dated 23/03/2018 wherein it was recorded: 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 it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was again scheduled for presentation in the 312th SEAC meeting dated 17/04/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 309th SEAC meeting dated 23/03/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was again scheduled for presentation wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 312th SEAC meeting dated 17/04/2018 & 309th SEAC meeting dated 23/03/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

7. **Case No. – 5709/2018 M/s Sukhdeo Prasad Goenka, Goenka Bhavan, Station Road, Katni, (M.P.) (SIA/(M.P.)/MIN/ 19436/2017).Prior Environment Clearance for Expansion of Limestone mine in an area of 7.065 Ha. (from 1,00,000 ton per annum to 4,83,143 ton per annum) Khasra no. 14, 15/1, 15/2, 16 (Old Khasra) 10, 77(New Khasra) at Village- Harraiya, Tehsil - Vijeraghogarh, Dist. Katni (M.P.)**.

This is case of Expansion of Limestone mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. 14, 15/1, 15/2, 16 (Old Khasra) 10, 77(New Khasra) at Village- Harraiya, Tehsil - Vijeraghogarh, Dist. Katni (M.P.) 7.065 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collectors' Office vide letter no.4359 dated: 07/08/2008 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 17.62 ha including this mine.

Earlier this case was scheduled in 320th SEAC meeting dated 14/07/2018, wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it 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 committee after deliberations decided that being it's a case of Limestone Mine and falls under B-1 category standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Compliance of earlier constent conditions of MoEF & CC is to be submitted in the EIA Report.
2. Details of available land and machinery for the expanded capacity.
3. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
4. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
5. Transportation plan & traffic management plan should be discussed in the EIA report.
6. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
7. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
8. Level of mechanization should be discussed in the EIA report.
9. Hydro geological study should be carried out if ground water intersection is proposed.
10. Top soil management plan should be addressed in EIA report.
11. Input data of modeling should be addressed in EIA along with this all back up calculation.
12. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
13. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
14. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
15. PP would follow environmental extend rules.
16. Details of blasting to be provided in the final EIA report.
17. Water balance chart to be submitted by the PP showing ZLD.
18. Over-head sprinkling system to be proposed.

8. Case No. - 5721/2018 M/s Elite Engineers, 48, Narmada Road, Opposite Johnson Towers, Jabalpur, (M.P.). Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 200 kg per hour rotary kiln based bio medical incineration project at Village - Kathonda (Madhotal), Distt. - Jabalpur (M.P.) 7(da) Common Biomedical Waste Treatment, Storage and Disposal Facilities (TSDFs).

This is case of Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 200 kg per hour rotary kiln based bio medical incineration project at Village - Kathonda (Madhotal), Distt. - Jabalpur (M.P.) 7(da) Common Biomedical Waste Treatment, Storage and Disposal Facilities (TSDFs).The project requires prior EC before commencement of any activity at site.

Neither the Project Proponent (PP) nor his authorized 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 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.

9. Case No.-5285/2016 M.P. State Mining Corporation Ltd Paryawa Bhawan, Block No. 1, 2nd FloorJail Road, Bhopal. Prior Environment Clearance for Bauxite Mine in an area of 4.90 ha. (50,000 TPA) at Khasra No. 3852 & 3853 at Village-Tikar, Tehsil - Huzur, Dist. Rewa (MP) (EIA CONSULTANT: M/s Creative Enviro Services, Bhopal).) (Last Chance)

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

Environment setting

Particulars	Details
Locations	
Village	Tikar
Tehsil	Huzoor
District	Rewa
State	MP
Nearest National/state Highway	Govindgarh – Rewa MDR Road - 4.50 km - NW
Nearest Railway Station	Rewa - 23.75km - NW
Nearest Airport	Churhata Rewa - 23.25km - NW
Nearest Tourist Place	None in 10 km radius
Archaeological Important Place	None in 10 km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None in 10 km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Govindgarh Reserved Forest
Nearest major city with 100000 population	None within 10km radius
Nearest village	Bilhilihatola - 3.80km - N
Nearest Town	Rewa - 20km - N
Physiography	Hilly
Elevation	647-621m AMSL
Slope	Radial

Nearest River	Son River -9.50 km - SE Bichya nadi -7.15 km - N Banas River - 10.0km - SE
Nearest nalla/ pond/canal	Phapho nala - 5km -S Kataha nala - 4.30km- S Pakariar Nala - 4.15km –N Marhawal Nalla - 5.80km – SSE Canal - 1.50km - S
Nearest hill/valley	Jaliadhar Pahar

Salient feature of the lease area

Particulars	**Details**
Type of Mine	Open Cast
Mining Lease Area	4.90ha
Existing Pits & Quarries	3.55 ha
Existing mineral stack	0.68 ha
Infrastructure and road	0.10ha
Plantation	0.15 ha
Total geological Reserve	1545660mt
Total Minable Reserve	865252 mt
Method of mining	OTFM
Ultimate Depth of Mining	612mRL
Expected Life of Mines	20 years
Stripping Ratio	1:0.15
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	4.50 ha
Area to be reclaimed till conceptual period	4.50ha
Area to be rehabilitated by afforestation in conceptual period	4.90ha
Area to be covered under water reservoir	Nil
Ground water table	
Monsoon period	60m (561 m AMSL)
Dry month	70 m (551 m AMSL)
Production per day (MT) (275 working day)	182
Truck per day (24 MT)	8
Requirement of metal	Aluminum plants and Cement plants
Supply location	All over India

GEOLOGY OF THE MINE

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

Post land use plan

Items	Existing	At the end of conceptual period
Total lease area	**4.90 ha**	
Mineable area	4.50 ha	
Ultimate depth of mining	7mbgl (614m AMSL)	9m bgl (612 m AMSL)
Ultimate pit slope	Nil	45^{o}
Area under mineral store	0.68 ha	Nil
Area under pits	3.55 ha	4.50ha
Area to be reclaimed	Nil	4.50 ha

Infrastructure & Road	0.10 ha	Nil
Plantation	0.15ha	4.90ha
Water body	0.50 ha	Nil

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

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

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

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

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

This case was again scheduled for presentation in 304th SEAC meeting dated: 15/01/2018 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the

deliberation. PP was also absent in the 302nd 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.

PP and their consultant were present for the EIA presentation in the 308th SEAC meeting dated 24/02/2018 wherein it was observed by the committee that the ML lies in the forest area and the earlier FC is expired. Further it has been specified in MoEF&CC letter no. 8C/32/2002-FCW/180 dated 08.04.2015 that forest clearance was issued only for period of 10 years from the date of commencement of operation i.e. 2006 to 2016 and as on date extension of forest clearance is not available with the PP. During presentation PP was unable to provide any proof regarding the efforts made by them for extension of FC i.e. copy of application submitted to the competent authority for extension of FC clearance. Thus in the absence of any status of FC clearance case cannot be considered for grant of EC. Committee after deliberations decided that PP may be given an opportunity for submission of relevant documents for FC clearance as per MoEF&CC office memorandums within 30 days for further consideration of this project.

This case was scheduled for the query discussion in the 316th SEAC dated 19/06/2018, which was raised in 308th SEAC meeting dated 24/02/2018, wherein it was recorded that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was again scheduled for presentation wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 316th SEAC dated 19/06/2018. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

10. <u>Case No. - 5710/2018 Sri Aurobindo Institute of Medical Sciences, SAIMS Hospital, Indore - Ujjain State Highway, Gram - Bhanwrasia, Tehsil - Sanwer, Distt. Indore, (M.P.) – 453555. Prior Environment Clearance for Construction of Sri Aurobindo Institute of Medical Sciences , Total Plot Area: 14.78 ha, Total Built--up Area: 142770.16 sqm (Hospital Area = 33525.34 sqm, Institutional Area = 66497.46 sqm & Residential Area =</u>

42747.36 sqm), Khasra No. – 8, 14/1, 14/1/1, 14/1/2, 15, 15/2, 8, 26/2, at Village - Bhanwrasla, Tehsil - Sanwer, Distt. – Indore (M.P.). Reference No. for online tracking of project Details SIA/MP/NCP/22931/2018. For – Building Constructuion. Env. Con. – Greencindia Consulting Pvt. Ltd., NCR, Ghaziabad.

This is case of Environment Clearance for Construction of Sri Aurobindo Institute of Medical Sciences, Total Plot Area: 14.78 ha, Total Built--up Area: 142770.16 sqm (Hospital Area = 33525.34 sqm, Institutional Area = 66497.46 sqm & Residential Area = 42747.36 sqm), Khasra No. – 8, 14/1, 14/1/1, 14/1/2, 15, 15/2, 8, 26/2, at Village - Bhanwrasla, Tehsil - Sanwer, Distt. – Indore (M.P.). **Cat. 8(a) Building and Construction Projects.**

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km

Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection Act, 1972 and/or the Environment (Protection) Act, 1986.

6. Baseline environmental study for ambient air (PM10, PM2.5, SO_2, NOx & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

11. Case No. - 5716/2018 Shri Neeraj Sachdev, Director, M/s Skye Earth Development Pvt. Ltd, Near Bombay Hospital, 32/2/1 Off Ring Road, Nipaniya, Indore, (M.P.) – 452005. Prior Environment Clearance for Residential Project "Skye Luxuria" (Built Up Area = 55589.52 sqm, Main Residential Unit : Total Plot Area= 14520.0 sqm, Proposed FAR = 28935.23 sqm, Total Built--up Area= 54501.26 sqm, EWS & LIG Unit : Total Plot Area = 763.20 sqm, Proposed Built Up Area = 1088.26 sqm) at Khasra No. 32/1/2/1, 28/37,

Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.) For Building Constuction.
Environment . Consultant – EQMS India Pvt. Ltd.,Delhi.

This is case of Prior Environment Clearance for Residential Project "Skye Luxuria" (Built Up Area = 55589.52 sqm, Main Residential Unit : Total Plot Area= 14520.0 sqm, Proposed FAR = 28935.23 sqm, Total Built--up Area= 54501.26 sqm, EWS & LIG Unit : Total Plot Area = 763.20 sqm, Proposed Built Up Area = 1088.26 sqm) at Khasra No. 32/1/2/1, 28/37, Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.). Cat. 8(a) Building and Construction Projects.

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, SO_2, NOx & CO), water

(both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.

7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

12. Case No. - 5720/2018 M/s Arms Real Estate Developers Pvt. Ltd, G1, Arms Majestic, 34-C, Scheme No. 78, Opposite Shalimar Township, AB Road, Indore, (M.P.) – 452010. Prior Environment Clearance for Residential High Rise Project "The Empress" (Total Plot Area = 9470 sqm, Built--up Area= 42010.04 sqm) at Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.) Cat. - 8(a) Building and Construction Projects. Env. Con. –EQMS India Pvt. Ltd., Delhi.

This is case of Prior Environment Clearance for Residential High Rise Project "The Empress" (Total Plot Area = 9470 sqm, Built--up Area= 42010.04 sqm) at Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.) Cat. - 8(a) Building and Construction Projects.

This case was scheduled in this meeting wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, SO_2, NOx & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the

study area

11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

13. Case No. - 5729/2018 Shri Narendra Kumar Mishra S/o Shri Ashok Kumar Mishra, Behind Circuit House Chattarpur, Dist. Chattarpur, MP – 471001 Prior Environment Clearance for Pyrophyllite & Diaspore Mining in an area of 10.0 Ha. (Khasra no. 687) at Village- Paretha, Tehsil - Nowgaon, Dist. Chattarpur (MP)

This is case of Pyrophyllite & Diaspore Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 687) at Village- Paretha, Tehsil - Nowgaon, Dist. Chattarpur (MP) 10.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Office Collector, vide letter No. ----- dated -------- has reported that there is --- more mine operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation wherein it was recorded that the PP were present but their consultant were absent, PP request to scheduled this case in next upcoming meeting of SEAC.Committee accepted the request made by the PP and decided to call PP in next subsequent meetings of the SEAC.

14. Case No. - 5730/2018 M/s Medisure Incinerators, 39, HIG, Chamunda Complex, Civil Lines, Dewas (M.P.). Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 250 kg per hour rotary kiln based bio medical incineration project at Khasra No.-156/3/2, Village- Bilankheda, Distt. - Khandwa (M.P.) 7(da) Common Biomedical Waste Treatment, Storage and Disposal Facilities (TSDFs).

The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category "B" Projects of activity 7 (da) as per EIA Notification dated 14th September, 2006 and its subsequent amendments dated 17th April 2015, under Bio-Medical Waste Treatment Facilities. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was presented by the PP and their consultant wherein PP submitted that this will be a new facility which will be developed. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs and as per Annexure-D:

a. Earlier CPCB complicance is to be submitted in the final EIA report.
b. Detail of the gap analysis.
c. In EIA report PP should provide the details of equipment and machineries which will be relocated and used at the new site.
d. Detailed layout plan of the site should be discussed in the EIA report.
e. Storage plan for different kind of waste should be discussed in the EIA report.
f. PP should also provide the details of any waste material stored in the existing plant premises and their proposed disposal.
g. In case PP intends to use ground water, permission of CGWB should be obtained in accordance with the prevailing rules.
h. Facility should be developed in accordance with the provisions made in the Bio-Medical Waste Management Rules, 2016 published by GOI and Guidelines published by CPCB for Common Bio-medical Waste Treatment Facilities.
i. Justify in EIA report, how unit will remain zero discharge.
j. Disposal plan of autoclaved material should be discussed in the EIA report.

15. Case No. - 5731/2018 M/s Speciality Organics Pvt. Ltd, Plot No. 837 to 842, Sector-3, Pithampur Industrial Area, Bagdoon (Processing Area), Pithampur, Distt. - Dhar (M.P.) Prior Environment Clearance for Manufacturing of Synthetic Organic Chemical and Agrochemicals at Plot No. 837 to 842, Sector-3, Pithampur Industrial Area, Bagdoon

(Processing Area), Pithampur, Distt. - Dhar (M.P.) Cat. - 5(f) Project Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drug).

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 presentation and the submissions made by the PP reveals following:

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

1. PP should provide entire product mix in the EIA report.
2. Worst case scenario w.r.t. waste water and hazardous waste should be submitted.
3. Details of solvents and their recovery plan should be discussed in the EIA report.
4. VOC should be monitored in the AAQ.
5. All MSDS should be provided with the EIA report.
6. Industry has to comply with zero discharge for which necessary details should be provided in the EIA report.
7. Land use plans of the plant both existing land use as well as proposed land use and PP should assure that no existing green area shall be altered for which a written commitment be submitted with the EIA report.
8. Details of any waste at present lying within the plant premises and if yes, same should be discussed in the EIA report with its disposal plan.
9. Inventory of existing and proposed machinery and if any existing machinery proposed to be used same shall be presented in the EIA report.
10. PP should explore possibility of using Biofuel based technology in boilers.
11. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
12. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
13. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
14. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.

15. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

16. Case No. - 5732/2018 M/s Indian Oil Corporation Ltd, Bhitoni, Jabalpur Bulk Petroleumd depot, Post Shahapura, NH - 12, Jabalpur, (M.P) – 483119. Prior Environment Clearance for POL Depot Storage Capacity Enhancement at Khasra No. 80/82/83/84/85/86/112/115/116/119 Jabalpur Depot, Village - Bhitoni, P.O. Shahpur, Distt.- Jabalpur (M.P.) Capacity : Proposed tankages HSD – 2 X 11200 KL MS-2 X 6000 KL MS-2 X 212 KL Total Capacity = 43,824 ha., Cat. - 6(b) Isolated Storage & Handling of Hazardous Chemicals.Reference No. for online tracking of project details (SIA/MP/IND2/28333/2016). For- ToR. Env. Consultant: Anacon Labs, Nagpur (Maharastra).

The Proposed project is of *Prior Environment Clearance for POL Depot Storage Capacity Enhancement at Indian Oil Corporation Ltd. (MD) Bhitoni, Jabalpur (M.P.)* falls under Category B, schedule 6 as per the EIA notification 14th Sep, 2006. Hence it requires prior EC from 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.

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

1. All the safety related aspects should be proposed in the EIA report.
2. Detailed parking management plan is to be submitted as no parking shall be allowed outside of the plant premises.
3. Traffic management plan.
4. Compliance of OISD and PESO.
5. Compliance of earlier constent conditions is to be submitted in the final EIA report.
6. Oil and grease should be carried out in all the ground water samples.
7. A detail of emergency rescue plan is to be submitted in the EIA report.
8. Workers health survey report is to be submitted in the EIA report.
9. Site specific risk assessment study should be carried out and same should be submitted with EIA report with disaster management plan and resique details.
10. 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.
11. Tree failing is also proposed PP should submit the details of area with number of tree, species and permission from the competent authority.
12. Any other area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.

13. Detailed fire fighting arrangements proposed should be discussed in the EIA report.
14. 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.
15. Input and output of modeling data should be annexed with the EIA report.
16. Details of all construction material related to this expansion project should be submitted with the EIA report.
17. Detailed parking facilities wrt to existing capacity and expanded facility should be provided within the facility boundary and detailed traffic management plan should be discussed in the EIA report as no parking will be permitted outside the plant premises.
18. Cost benefit analysis should be carried out and discussed in the EIA report.
19. 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.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. 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.
22. 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.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
25. Details of Environmental Cell & CSR committee.
26. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

(Dr. Mohd. Akram Khan)	**(Dr. A.K. Sharma)**	**(Dr. J. P. Shukla)**
Member	**Member**	**Member**
(Prashant Shrivastava)	**(Dr. R. Maheshwari)**	**(Mohd. Kasam Khan)**
Member	**Member**	**Chairman**

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

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

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

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with taurpoline 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 taurpoline to minimize dust/sand particle emissions.
10. No Mining shall be carried out during Monsoon season.
11. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
12. NOC of gram panchayat should be obtained for the water requirement.
13. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
14. The mining shall be carried out strictly as per the approved mining plan.

Annexure- 'D'

General conditions applicable for the granting of TOR

1. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
2. An inventory of flora & fauna based on actual ground survey shall be presented.
3. Risk factors with their management plan should be discussed in the EIA report.
4. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
5. The EIA document shall be printed on both sides, as far as possible.
6. All documents should be properly indexed, page numbered.
7. Period/date of data collection should be clearly indicated.
8. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
9. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.

10. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
11. Grant of TOR does not mean grant of EC.
12. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
13. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
14. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
15. All the necessary NOC's duly verified by the competent authority should be annexed.
16. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
17. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
18. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
19. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
20. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
21. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
22. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.

23. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
24. Detailed analysis of availability and quality of the drinking water resources available in the block.
25. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
26. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.