

The 379<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 04<sup>rd</sup> July, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Jai Prakash Shukla, Member.
4. Dr. R. Maheshwari, Member.
5. Dr. Rubina Chaudhary, Member.
6. Shri. R. S. Kori, Secretary.

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

1. **Case No. - 5806/2018 Indore Municipal Corporation (PMAY), 107, 109, First Floor, Palika Plaza, Indore, (M.P.) – 452007. SIA/MP/NCP/ 88136/2018. Prior Environment Clearance for Construction of Nilgiri Parisar (Affordabe Housing Project) (Total Plot Area = 2,82,060.0 sqm., Total Built-up Area = 63,460.72 sqm) at Khasra No. – 220, Village - Sanawadia, Tehsil - Indore & Dist .- Indore, (M.P.). Category: 8(a) Building & Construction Project. Env. Con. – Amaltas Enviro Industrial Consultants, New Delhi.**

This is case of Prior Environment Clearance for Construction of Nilgiri Parisar (Affordabe Housing Project) (Total Plot Area = 2,82,060.0 sqm., Total Built-up Area = 63,460.72 sqm) at Khasra No. – 220, Village - Sanawadia, Tehsil - Indore & Dist. - Indore, (M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was presented by the PP and their consultant in the SEAC 339<sup>th</sup> Meeting dated 29/01 /19, wherein it was observed from the given co-ordinates that the distance of this project site from the Ralamandal Wildlife Sanctuary is <10 km for which committee asked PP to apply for the NBWL Clearance and submit the copy of this application for further consideration of this project as per OM No. J-11013/41/2006-IA.II (I) Dated 02/12/2009 and copy of the application made to the competent authority has to be submitted by the PP to SEAC for considering the case.

In the above context query letter issued vide letter no. 51 dated 15/02/19 moreover a reminder letter issued vide letter no. 190 dated 24/04/19.

PP has submitted the copy of online application made for wild life clearance vide their letter no. 172/PMAY/2019-20, dated 09/05/2019., which was forwarded by SEIAA letter no. 722, dated 22.05.2019. PP has applied online for wild life clearance with proposal no. FP/MP/others/4162/2019 and date of submission is 11/05/2019.

**EXECUTIVE SUMMARY**

**NilgiriParisar (Affordable Housing Project) by M/s. Indore Municipal Corporation**

Sr. No.	Particulars	Details
1	Name of the Project	Proposed NilgiriParisar (Affordable Housing Project) by M/s. Indore Municipal Corporation
	Location	Khasra : 220, Village-Sanawadia, Mandal- Indore, District- Indore, Madhya Pradesh
2	Name of the Company	M/s. Indore Municipal Corporation
	Address	Indore Municipal Corporation (PMAY) 107, 109, First Floor Palika Plaza Indore -452007
3	Latitude and Longitude of the project	Latitude - 22°39'52.45"N Longitude - 75°57'4.14"E
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Type of Building	Affordable Housing Project under PMAY
	Project brief: nature of proposal (new/expansion,)	New
6	Total Plot Area	Total Plot Area : 282060 m <sup>2</sup> Total Deductions : 240408 m <sup>2</sup> Net Plot Area: 41652 m <sup>2</sup>
7	Total Ground Coverage	Ground Coverage (16.8%) =7022Sq.m
8	Total Builtup Area	63460.72m <sup>2</sup>
9	Cost of the project	INR 99.73 Cr.
10	Dwelling Units	1 BHK -1536Nos. Shops – 44Nos.
11	Road and Internal Circulations space/Paved area	Road Area- 11153Sq. m (26.8%) Open Area –15047Sq.m (36.1%)
12	Landscape	7890 m <sup>2</sup> (19.0%)
13	Nos. of trees	Total nos. of trees Required: 1 tree/80 sq.m = (Total Planning area – Ground coverage)/80 41652-7022)/80 =433nos. Planning =480 Plant
14	Nos. of Floor and basements	1 BHK – P+8
15	Parking facilities	Open - 263 Nos. Stilt – 291 Nos.

Sr. No.	Particulars	Details
		Total – 554 Nos.
16	Power Requirement and Sources	About 2100 KW power will be required for the Project and it will be sourced from State Electricity Board.
17	Power backup	Backup power supply is planned for the project through DG Set
18	Water requirement and Sources	Total Water requirement -1044KLD Fresh Water Requirement – 695 KLD Source of the water is municipal water supply.
19	Estimated population (Fixed and Floating)	7680nos
20	Height of the building	27.0 M
21	Connectivity	Railway Station Indore 7.5 km, W Indore Airport– 16.0 Km W

The case was presented by PP and their consultant wherein during discussion and perusals of the documents it was observed by the committee that it's a case of violation. During appraisal of the case on the google image based on coordinates provided by PP it was observed following:

- The proposed construction site is situated in the foot hill and this hill is of 109 meter hight.
- Earth work has been completed and hill's porsion is removed.
- Also in the base of the hill's periphery extensive mining operation took place in the past and water is filled all round the foot hill in the old mine pits.

The committee expressed very much concerned with the sensitivity of the location because the excessive run-off shall be creating risk to the project residents in the future. Committee suggested solid protection wall towards the hill side to prevent infiltration if storm water and high peak rain water from the hill side. During presentation it was submitted by PP that total 24 blocks are proposed out of which construction works of 20 blocks has been started which cosntitiutes the violation.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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. Storm water management based on high rainfall.
6. 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.
7. Baseline environmental study for ambient air (PM10, PN2.5, SO<sub>2</sub>, NO<sub>x</sub> & 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.
8. Details on flora and fauna and socio-economic aspects in the study area.
9. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
10. 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.

11. Waste water management (treatment, reuse and disposal) for the project and also the study area
  12. 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.
  13. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
  14. 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.
  15. 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.
  16. 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.
  17. Site on hillock thus volume of earth to be excavated and its management & disposal plan.
2. **Case No. - 5807/2018 Indore Municipal Corporation (PMAY), 107, 109, First Floor, Palika Plaza, Indore, (M.P.) - 452007. SIA/MP/NCP/ 88273/2018. Prior Environment Clearance for Construction of Aravali Parisar (Affordable Housing Project) (Total Plot Area = 69,838.65 sqm., Total Built-up Area = 95,647.37 sqm) at Khasra No. - 1//1/1, Village - Bhicholi Hapsi, Tehsil - Sanyogitaganj & Dist. - Indore, (M.P.). Category: 8(a) Building & Construction Project. Env. Con. - Amaltas Enviro Industrial Consultants, New Delhi. (TOR -V)**

This is case of Prior Environment Clearance for Construction of Aravali Parisar (Affordable Housing Project) (Total Plot Area = 69,838.65 sqm., Total Built-up Area = 95,647.37 sqm)

at Khasra No. – 1/1/1, Village - Bhicholi Hapsi, Tehsil - Sanyogitaganj & Dist. - Indore, (M.P.). Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was presented by the PP and their consultant, wherein it was observed from the given co-ordinates that the distance of this project site from the Ralamandal Wildlife Sanctuary is <10 km for which committee asked PP to apply for the NBWL Clearance and submit the copy of this application for further consideration of this project as per OM No. J-11013/41/2006-IA.II (I) Dated 02/12/2009 and copy of the application made to the competent authority has to be submitted by the PP to SEAC for considering the case.

In the above context query letter issued vide letter no. 53 dated 15/02/19 moreover a reminder letter issued vide letter no. 190 dated 24/04/19.

PP has submitted the copy of online application made for wild life clearance vides their letter no. 171/PMAY/2019-20, dated 09/05/2019., which was forwarded by SEIAA letter no. 722, dated 22.05.2019. PP has applied online for wild life clearance with proposal no. FP/MP/others/3861/2019 and date of submission is 11/05/2019.

**EXECUTIVE SUMMARY**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Project	Proposed <b>Aravali Parisar (Affordable Housing Project)</b> by <b>M/s. Indore Municipal Corporation</b>
	Location	Khasra : 1/1/1, Village-Bhicholi Hapsi, Mandal-Sanyogitaganj, District- Indore, Madhya Pradesh
2	Name of the Company	M/s. Indore Municipal Corporation
	Address	Indore Municipal Corporation (PMAY) 107, 109, First Floor Palika Plaza Indore -452007
3	Latitude and Longitude of the project	Latitude - 22°43'4.73"N Longitude - 75°55'23.33"E
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Type of Building	Affordable Housing Project under PMAY
	Project brief: nature of proposal (new/expansion,)	New (violation)
6	Total Plot Area	Total Plot Area : 69838.65 m <sup>2</sup>

Sr. No.	Particulars	Details
		Total Deductions : 12828.3 m <sup>2</sup> <b>Net Plot Area: 57010.35 m<sup>2</sup></b>
7	Total Ground Coverage	Ground Coverage (22.81%) =13024.64Sq.m
8	Total Builtup Area	95647.37 m <sup>2</sup>
9	Cost of the project	INR 148.37 Cr.
10	Dwelling Units	1 BHK -960Nos. 2 BHK -648 Nos. 3 BHK -144 Nos. Shops – 30Nos.
11	Road and Internal Circulations space/Paved area	Road Area- 13682.2Sq.m (24.0%) Open Area –22105.61 Sq.m (38.81%)
12	Landscape	6861.6 m <sup>2</sup> (12.04%)
13	Nos. of trees	Total nos. of trees Required: 1 tree/80 sq.m = (Total Planning area – Ground coverage)/80 (57010.35-13024.64)/80 =550nos. Planning = <b>600 Plant</b>
14	Nos. of Floor and basements	1 BHK – P+8 2 BHK – P+9 3 BHK – P+9
15	Parking facilities	Open - 432 Nos. Stilt – 412 Nos. <b>Total –844 Nos.</b>
16	Power Requirement and Sources	About 2450 KW power will be required for the Project and it will be sourced from State Electricity Board.
17	Power backup	Backup power supply is planned for the project through DG Set
18	Water requirement and Sources	Total Water requirement -1187KLD Fresh Water Requirement – 791 KLD Source of the water is municipal water supply.
19	Estimated population (Fixed and Floating)	7944nos
20	Height of the building	30.0 M
21	Connectivity	Railway Station Indore 5.5 km, W Indore Airport– 11.0 Km W

The case was presented by PP and their consultant wherein during discussion and perusals of the documents it was observed by the committee that it's a case of violation. During

appraisal of the case on the google image based on coordinates provided by PP it was observed following:

- The proposed construction site has 24 blocks out of which 20 blocks are completed.
- The proposed site is slightly on lower topography as compared to western side where vacant land is available.
- Also in the base of the hill's periphery extensive mining operation took place in the past and water is filled all round the foot hill in the old mine pits.
- R& R is involved in the project.

The committee expressed very much concerned with the sensitivity of the location because the excessive run-off shall be creating risk to the project residents in the future. Committee suggested solid protection wall towards the hill side to prevent infiltration if storm water and high peak rain water from the hill side.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may be 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 an 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 08<sup>th</sup> 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. Storm water management based on peak rainfall.
6. 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.
7. Baseline environmental study for ambient air (PM10, PN2.5, SO<sub>2</sub>, NO<sub>x</sub> & 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.
8. Details on flora and fauna and socio-economic aspects in the study area.
9. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
10. 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.
11. Waste water management (treatment, reuse and disposal) for the project and also the study area
12. 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.
13. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
14. 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.

15. 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.

16. 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.

3. **Case No. - 5586/2017 Shri Dharmesh Singh, General Manager, M/s Indian Oil Corporation Ltd (MD), Storage Expansion at Bangrod, Ratlam, MP –457111 Prior Environment Clearance for Storage Capacity Expansion at Ratlam POL Terminal, Bangrod, Ratlam, MP. Existing Capacity- 77,918 KL POL products, Proposed Capacity enhance the POL storage capacity of the plant by constructing 2 X 10,000 KL MS Tanks, 3 X 20,000 KL HSD tanks and 1 X 6,000 KL Biodiesel Tank along with additional wagon/unloading facility, product pump house and new mechanized OWS/ETP. Total Plot area 35.17 ha (97 Acres) by M/s. Indian Oil Corporation Ltd., (MD), storage expansion at Bangrod, Ratlam (M.P.) – 457111. Cat. - 6(b) Isolated Storage & handling of Hazardous Chemicals. Env. Con. – Env. Con. – Anacon Lab. Nagpur (M.S.)**

The project proposal is to set up M/s Indian Oil Corporation Ltd (MD), Storage Expansion at Bangrod, Ratlam, MP – 457111. Prior Environment Clearance for Storage Capacity Expansion at Ratlam POL Terminal, Bangrod, Ratlam, and M.P – 457111.

The case was presented by the PP and their consultant for obtaining TOR in the 298<sup>th</sup> SEAC meeting dated 17/11/2017, wherein following details of the project were submitted by them:

1. Name of the project & its location: Storage Capacity expansion at Indian Oil Corporation Ltd. (MD), Ratlam POL terminal, Bangrod, Ratlam- 457111 (Madhya Pradesh).
2. Name of the Company, Address Tele No. & E-mail: M/s. Indian Oil Corporation Limited, Ratlam Terminal, Bangrod, Ratlam- 457111 (Madhya Pradesh). Tel. No. 07412262191. E-mail:- dharmeshsingh@indianoil.in
3. Latitude and Longitude of the project.: Latitude 23<sup>o</sup>24'11.48"N and Longitude 75<sup>o</sup>07'38.40"E
4. If a Joint venture, the names & addresses of the JV partners including their share.: NA.

5. Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.: Expansion Project. Ratlam Terminal is spread in an area of 97 Acres. The existing POL Terminal at Bangrod, Ratlam has enough space within its plant boundary to accommodate the expansion. Thus no change in Land use is envisaged. Activity in preoccupied area only has expansion provision. It is located 9 Kms away from the Mandsaur Neemuch Highway in village “Bangrod” near Delhi Mumbai Main Line railway track. Bangrod railway station is situated at a distance of 2 Kms (North East) and Bangrod village is located at a distance of 2 Kms (South West).

This is storage capacity enhancement project of petroleum product at IOCL Ratlam terminal from 77,918 KL to 1,63,918 KL by constructing tanks of 2 X 10,000 KL MS Tanks, 3 X 20,000 KL HSD tanks and 1 X 6,000 KL Biodiesel Tank at Indian Oil Corporation Ltd.(MD) , Ratlam POL terminal, Bangrod, Ratlam- 457111 (Madhya Pradesh). In addition to above storage capacity expansion, following facilities will be added in proposed expansion project.

- ❖ 2nd Spur tank wagon railway loading/unloading facility.
- ❖ Product pump house for tank wagon unloading.
- ❖ New mechanized OWS/ETP.

The configuration of 2nd Spur tank wagon Gantry facilities are as follows.

- Second spur will be constructed for loading & unloading purpose.
- The length of second spur would be around 650 M.
- The second spur facility would be used for loading for MS, HSD, SKO & ATF.
- Implementation of Automation for loading operation.

6. **Cost of the project.** : Cost for the proposed expansion project is estimated to be Rs. Approx. 226.91 Crores

7. Whether the project is in Critically Polluted area:- No

8. If the project is for EC under EIA Notification, 2006

- a) For the first time appraisal by EAC

(i) Date of ToR: NA, However Project is for ToR first time.

(ii) Date of Public Hearing, location:- NA

(iii) Major issues raised during PH and response of PP:- NA

b) Second appraisal

(i) Date of first /earlier appraisal:- NA

(ii) Details of the information sought by the EAC with the response of the PP:-  
NA

9. If the project involves diversion of forest land

(i) Extend of the forest land:- NA

(ii) Status of forest clearance:- For NOC application submitted to DFO

10. If the project falls within 10 km of eco- sensitive area

(i) Name of eco- sensitive area and distance from the project site: There is no any eco-sensitive area within 10 KM radius study area

(ii) Status of clearance from National Board for wild life.: NA

11. Waste Management

(i) Water requirement, source, status of clearance:- 11 KLD, Water Sources from Borewell, CGWA NOC

(ii) Waste water quantity, treatment capacity, detail:- 3.8 KLD from terminal and oil water separator (OWS) is in place to treat effluent from terminal. Domestic waste water 3.5 KLD will be disposed of through septic tank followed by sock pit.

(iii) Recycling / reuse of treated water and disposal:- On Green Belt

(iv) Solid Waste Management:- Solid waste disposed through CPCB approved vendor

(v) Hazardous Waste Management: Hazardous waste generation from cleaning of storage tank reported to be once in five year. The waste is being disposed off through CTSDF. PP has obtained membership from RAMKY Pithampur, Dhar for disposal of Hazardous waste.

12 Other details

(i) Noise Modeling with noise control measures for airports:- NA

(ii) Details of water bodies, impact on drainage if any:- NA

(iii) Details of tree cutting: Some small buses.

(iv) Energy conservation measures with estimated saving: PP Should take care

(v) Green belt development (20 % of construction projects and 33 % for others): PP Should take care

(vi) Parking requirement with provision made: Parking is in place of existing plant

**13. If the project involves foreshore facilities:- No**

- (i) Shoreline study:- NA
- (ii) Dredging details, disposal of dredge material: NA
- (iii) Reclamation:- NA
- (iv) Cargo handling with dust control measures: NA
- (v) Oil Spill Contingent Management Plan:- NA

**14 If the project involves Marine disposal:- No**

- (i) NOC from PCB in case of marine disposal:- NA
- (ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9:- NA
- (iii) Location of intake / outfall. Quantity:- NA
- (iv) Detail of monitoring at outfall:- NA
- (v) Any other relevant information:- NA

**15 Other information**

- (i) Investment/Cost of the project is Rs. Approx. 226.91 Crores
- (ii) Employment potential- In addition to the permanent staff, around 30-50 persons shall be engaged in construction activities. Most of the unskilled and semi-skilled labor shall be from nearby villages & towns. Responsibility of bringing labor to site will lie with contractor
- (iii) Benefits of the project-The expansion project being proposed is important in view of the consistent increase of demand of Petroleum Product in market. This expansion project is has state as well as nationwide importance for fulfilling fuel requirement of the end users/ consumers of the areas. Use high grade quality petroleum product thus reduces pollution and improve environment.

**16. Date of Ground water clearance: Previous NOC on 3/12/12 application no. 21-4 (140) NCR/CGWA. Recent Application No 21-4/527/MP/IND/2017 dated 3/12/2017.**

**17. Cost of proposed EMP and CSR with detailed components and proposed activity: Will be provided in EIA Report.**

**18. Numbers of Plantation proposed & area allocated for plantation with budgetary provision. : Will be provided in EIA Report.**

19. Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details. Kurrel River is situated at a distance of about 1.8 km in east of the project site

During presentation, PP submitted that this proposal is for expansion in storage capacity located in Bangrod, Ratlam. After presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's:-

1. Site specific risk assessment study should be carried out and same should be submitted with EIA report.
2. Submit the certificate of competent authority verifying the distance of protected area/Eco-sensitive zone.
3. Detailed green belt plan with area, name of species and their number should be provided along with the inventory of existing trees in EIA report.
4. Any other area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.
5. Detailed fire fighting arrangements proposed should be discussed in the EIA report.
6. If there is any sensitive area within 5kms radius of the proposed project site, the proposed safety measures in case of any accident should be discussed in the EIA report.
7. Compliance of earlier EC conditions duly verified by MoEF&CC should be obtained and submitted with EIA report.
8. Details of all construction material related to this expansion project should be submitted with the EIA report.
9. Detailed parking facilities w.r.t. to existing capacity and expanded facility should be discussed in the EIA report.
10. Cost benefit analysis should be carried out and discussed in the EIA report.
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.

PP has submitted EIA vide letter dated 15/05/18 which was forwarded through SEIAA vide letter no. 874 dated 29/05/2018.

The EIA was presented by the PP and their consultant in the 318<sup>th</sup> SEAC Meeting 21/06/18 wherein during presentation and discussion following submissions were desired from the PP:

1. Details of first aid facilities provided in the project.
2. Disposal of oil & sludge and possibility of its recycling through authorized recyclers.
3. Land use breakup details as proposed by PP for this facility.
4. Organization chart of Environmental Chart.
5. Quantity of solid waste (sludge) generated and disposed during last 05 years.
6. Line diagram of water balance chart.
7. Top soil management plan.
8. Capacity of ETP.
9. Revised EMP budget for plantation, PPEs, first-aid and along with its bifurcation as capital and recurring cost as suggested during presentation.
10. Details of fund spent on EMP and CSR since last three years.
11. MoEF & CC compliance report of earlier EC conditions.
12. Explanation regarding R&R and road construction for which queries were raised in the public hearing.

The PP has submitted MoEF&CC compliance report of earlier EC condition duly verified by MoEF&CC vide letter no. RTMTM/EC/SEAC/03, dated 22.08.2018. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Storage Capacity Expansion at Ratlam POL Terminal, Bangrod, Ratlam, M.P., Existing Capacity- 77,918 KL POL products, Proposed Capacity enhance the POL storage capacity of the plant by constructing 2 X 10,000 KL MS Tanks, 3 X 20,000 KL HSD tanks and 1 X 6,000 KL Biodiesel Tank along with additional wagon/unloading facility, product pump house and new mechanized OWS/ETP. Total Plot area 35.17 ha (97 Acres) by M/s. Indian Oil Corporation Ltd., (MD), storage expansion at Bangrod, Ratlam (M.P.) – 457111.Cat. - 6(b) Isolated Storage & handling of Hazardous Chemicals., 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. During demolition of pre-existing structures dust suppression, regular sprinkling of water should be undertaken.
3. Periodic maintenance of construction equipments shall be done. Heavy vehicle must be checked for PUC certificate.
4. Signboard of the proper size should be displayed at the appropriate places related to Do's and Don'ts at the time of civil or mechanical hazards/gas or liquid leakage.
5. PP will obtain other necessary clearances/NOC from respective authorities.
6. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter shall also be made available to local bodies, Panchayat, State Pollution Control Board and Regional Office, MoEF & CC GoI, Bhopal.
7. 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**

8. Land use breakup details as proposed by PP for this facility are as follows:

<b>Sr.No.</b>	<b>Particular location</b>	<b>Area in Acres</b>	<b>Area in %</b>
1	License area	56	57.73
2	Tank Truck Parking area	3.2	3.6
3	Administrative Office Building	0.34	0.35
4	Green belt	13.36	13.77
5	Proposed area for expansion	11	11.34
	<b>Total</b>	<b>97</b>	<b>100</b>

9. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
- 10.Total effluent generated in the plant after expansion is capacity of 200 KL per Hour for which STP/ETP of suitable capacity should be installed and afterwards this treated water should be reused in cylinder washing & gardening purpose.
- 11.Fire extinguishers should be provided on- site during construction/ plant erection period.



12. Water sprinkling arrangements shall be made to suppress the fugitive emissions and shall ensure that the ambient air quality is well within the prescribed norms by MoEF&CC/CPCB/MPPCB.
13. Properly tuned construction machinery and good condition vehicles with mufflers (low noise generating and having PUC certificate) should be used and turned off when not in use.
14. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.
15. Waste construction material should be recycled as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
16. Peripheral plantation all around the project boundary @ 2021/year 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
17. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
18. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.
19. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.
20. In such highly Units where highly flammable material is dealt where workers might be exposed to uncontrolled electrical, mechanical, hydraulic, or other sources of hazardous energy if equipment is not designed, installed, and maintained properly. So, such operating procedures must be developed and implemented to ensure safe operations.
21. The overall systems for tank filling control should be of high integrity, with sufficient independence to ensure timely and safe shutdown to prevent tank overflow.

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

22. Fire/smoke detection devices should be fitted all around the depot.
23. Use of Solar Energy should be promoted in the project area where ever possible.
24. 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, Solid Waste Management Rules, 2016 etc.

25. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
26. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
27. Safety Equipments as per OISD 150 shall be positioned at various strategic points within the Plant and periodic Emergency Drills & Emergency Response Drills shall also be carried out as per norms of OISD.
28. Communication gadgets such as Siren with codes, Manual Call points, Hooters/ beacons, Walkie-Talkie sets, Public Address System, Flameproof PA/paging system at adequate areas shall be provided.
29. Workers in such industry are generally susceptible to various health and chemical hazards (toxic, corrosive, carcinogens, asphyxiates, irritant and sensitizing substances); physical hazards (noise, vibration, radiations, extreme temperature); ergonomic hazards (manual handling activities, repetitive motions, awkward postures); and psychosocial hazards (overwork, odd working hours, isolated sites, violence) so regular occupational health check should be done on regular basis.

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

30. A budgetary provision of Rs. 79.05 Lakh is made for Environmental Management Plan and provision of Rs. 22.40 Lakh/year as recurring cost, is made for implementing Environmental Monitoring Programme.
31. Total 2021 nos. of trees per year will be planted and for which total Budget of Rs 08.05 Lacks are proposed as capital cost and Rs. 06.40 Lacks as recurring cost.
32. Under CSR activity, Rs. 29.10 lakh for 2018-19 are proposed for different activities.
33. Occupational health survey of all concerned shall be carried out in the every six month.
34. 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.
35. 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.
36. All commitments pertaining to public hearing shall be mandatory on part of PP.

37. All safety provision should be followed as prescribed in the Petroleum & Explosives Safety Organization.
38. The environment policy 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.
39. 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.
40. 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.
41. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
42. On- site & off - site management plan should be properly prepared and keep up-to-date as per schedule in the MSHIC Rule 1989.
43. Being it is a MAH unit hence mock drill of concerned different scenario shall be taken up as per norms made in the MSIHC Rule 1989.
44. Awareness campaign should be promoted within premises and in surrounding areas for associated hazard with the unit and prevention methods.
45. 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.

PP vide letter dated 15/05/2019 which was forwarded by SEIAA by through 452-53/SEIAA/19 dated 06-05-19. In which, PP has informed that implementation of blending of Ethanol (Class A) with MS is being followed up by GoI, MoEF & CC notification dated 23.11.2018, since Etahnol is Bio- fuel and environmental friendly. As per norms of GoI to step up the construction of Ethanol storage facilities at all POL location immidiatly, to ensure uninterrupted supply of Ethanol blended MS to consumers.

In this context as per direction from GoI PP would like to construct 4 X 200 KL capacity underground storage tank at ratlam terminal. PP further mentioned that this will not increase

in production & pollution load due to construction of 4 X 200 KL underground storage tank.

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

**4. Case No. – 6361/2019 Shri Ashok Vishwakarma, Jalpa Ward, Gautam Lane, Dist. Katni, MP Prior Environment Clearance for Soil Laterite and Fireclay Mine in an area of 5.360 ha. (Laterite - 16526 Tonne Per Annum and Fireclay - 2636 Tonne Per Annum) (Khasra No. 04), Village - Mohla, Tehsil - Jabalpur, Dist. Jabalpur**

This is case of Soil Laterite and Fireclay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 04), Village - Mohla, Tehsil - Jabalpur, Dist. Jabalpur 5.360 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 504 dated: 02/05/19 has reported that there is 02 more mine operating or proposed within 500 meters around the said mine with total area of 16.621 ha., including this mine.

The case was presented by the PP and their consultant, PP informed that they have conducted Environmental Monitoring. After deliberation, being it's a case Soil Laterite and Fireclay Mine with total area of 16.621 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue 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. PP shall be submitted inventory of trees with their respective girth details existing within lease area in the EIA report.
2. PP shall be submitted approval letter of DSR and NOC from Gram Sabha.
3. Proposal of 5500 nos. of trees shall be submitted in the EIA report.

5. **Case No. – 6308/2019 M/s Ardash Construction and Suppliers Pvt. Ltd, R/o Ganpati Vihar Phase-2, Dehariya Mukhani, Manpur West, Dist. Nainital, UK – 263139 Prior Environment Clearance for Granite Stone Quarry in an area of 3.438 ha. ((2018-19 : 10000, 2019-20 : 203752, 2020-21: 291431, 2021-22 : 195904 cum per annum) ) (Khasra No. 484P), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Granite Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 484P), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 3.438 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1859 dated: 02/04/19 has reported that there is 07 more mine operating or proposed within 500 meters around the said mine with total area of 20.371 ha., including this mine.

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

6. **Case No. – 6348/2019 M/s Kutch Chemical Industries Ltd, Plot No. 189, 191, 192, AKVN Industrial Area, Village and Tehsil - Meghnagar, Dist. Jhabua, MP Prior Environment Clearance for Proposed Project for Manufacturing of Synthetic Organic Chemicals at Plot No. 189, 191, 192, AKVN Industrial Area, Village and Tehsil - Meghnagar, Dist. Jhabua, MP**

The proposed project falls under item no 5(f) i.e Manufacturing of Synthetic Organic Chemicals at Plot No. 189, 191, 192, AKVN Industrial Area, Village and Tehsil - Meghnagar, Dist. Jhabua, M.P. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project the project requires prior EC before commencement of any activity at site.

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

**7. Case No. – 6254/2019 Shri Ritesh Sharma, Mausam Restaurent, Subhash Ward, Dist. Harda, MP Prior Environment Clearance for Murrum Deposit Quarry in an area of 4.0 ha. (19500 cum per annum) (Khasra No. 02), Village - Kunjargaon, Tehsil - Handla, Dist. Harda (MP)**

This is case of Murrum Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 02), Village - Kunjargaon, Tehsil - Handla, Dist. Harda (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1104 dated: 28/01/19 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 8.900 ha., including this mine.

The PP vide letter dated nil informed that the case was scheduled on SEAC meeting 379<sup>th</sup> but due to illness of his father he wanted reject to their case. Thus committee after deliberations recommends that on above grounds this case may rejected and case file may sent to SEIAA for necessary action.

**8. Case No. – 6364/2019 Shri Rajesh Kumar Agrawal, 47 - Prabhat Vihar Colony, Panna Naka, P.O. & District -m Satna, MP – 485001 Prior Environment Clearance for Laterite and Ochre Mine in an area of 1.376 ha. (17,330 tonne per annum) (Khasra No. 749), Village - Kari Gohi, Tehsil - Raghurajnagar, Dist. Satna (MP)**

This is case of Laterite and Ochre Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 749), Village - Kari Gohi, Tehsil - Raghurajnagar, Dist. Satna (MP) 1.376 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1444 dated: 01/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during appraisal of the case file it was observed that as per DFO certificate issued vide letter no 2481 dated 05.03.2019 Ranipur

Abhayranya is at a distance of 4730 meters. PP informed that they have obtained another certificate from DFO with distance from ESZ of Ranipur Abhayranya as per DFO certificate issued vide letter no. 6405 dated 03/07/2017 the site is 4.750 Kms away from the ESZ of Ranipur Abhayranya. In this context notification vide S.O. 3753(E), dated 09.11.2017 of the Ranipur Wildlife Sanctuary ESZ stated that the extent of ESZ is upto 1.0 kilometre all around the boundary of the Ranipur Wildlife Sanctuary.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Trees on the western side of lease.	Western side.	-	Permission for tree faling shall be taken from competent authority.
Settlement	>40 & >400	NE & SW	NO drilling and blasting involved in this project.
Village Road	>125 & >300	NE & SE	-

PP stated that in the lease area there are approx. 50 tree in existence and appripriae permission shall be taken from the competent authority for tree faling. For nearby settlement PP submitted that no drilling & blasting is proposed in this project and they will maintain minimum 50 meters distance from the habitants during mining operations and a setback of 10 meters will be left as non mining area with three rows of additional plantation for their protection. After presentation the committee asked to submit following details:

- Copy of DFO certificate regarding distance from ESZ Ranipur issued vide letter no. 6405 dated 03/07/2017.
- Copy of land agreement of land ownership.
- Commitment of PP that permission for tree faling will be taken from competent authority and proposal for 2000 compensatory plantation in the periphery of the ML area and in the vicinity village.
- Revised EMP with inclusion of budget for 2000 trees & PUC.

PP has submitted the response of above quarries same date vide letter dated 04.07.2019, which was placed before the committee and the same found satisfactory. The EMP and

other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Laterite and Ochre Mine 17,330 tonne per annum.
2. A setback of 10 meters shall be left as non mining area towards habitants on the northern side of the lease.
3. A budgetary provision for Environmental management Plan of Rs. 30.37 Lakh as capital and Rs. 14.03 Lakh/year and under CSR Rs. 0.50 Lakh as capital and 01.50 Lakh /years as recurring has proposed.

**9. Case No. – 6365/2019 Shri Rajesh Kumar Agrawal, 47 - Prabhat Vihar Colony, Panna Naka, P.O. & District -m Satna, MP – 485001 Prior Environment Clearance for Ochre Mine in an area of 3.354 ha. (5244 cum per annum) (Khasra No. 21P, 23, 24, 25/1), Village - Baskuta, Tehsil - Bandhogarh, Dist. Umaria (MP)**

This is case of Ochre Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 21P, 23, 24, 25/1), Village - Baskuta, Tehsil - Bandhogarh, Dist. Umaria (MP) 3.354 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1816 dated: 28/09/18 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during appraisal of the case it was observed that Deputy DFO, Bandhavgarh Tiger Reserve, Dhamokhar, (Umrria) vide letter no 780 dated 01.07.2017 mentioned that the the Bandhavgarh Tiger Reserve is just a distance of 4.66 kms (a Notified PA). PP stated that vide application no. FP/MP/MIN/4284/2019, dated 03.07.2019 they have already applied for NBWL Clearance. Further, in the same letter of Deputy DFO, Bandhavgarh Tiger Reserve, Dhamokhar, (Umrria) said that the lease area from Munara no. 169 of forest parcel no. P-157 at a distance of 93 meters & 201 meters



from Munara no. 168 distance for which PP has obtained approval from Divisional Commissioner Level Forest Committee meeting held on 22.09.2018.

During presentation as per Google image based on coordinates provided by PP, the lease area is already excavated, and crusher is also installed in the lease. Following other sensitive features were observed within 500 meters of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
River	>200	SW	Provision of garland drain and settling tanks.
Pacca road	>300	SW	Two row of plantation
Sellement	>300	SW	

During presentation a pit was observed within the lease for which PP submitted that it's a trial pit for mineral prospecting. After presentation the committee asked to submit following details:

- Copy of land agreement of land ownership.
- Copy of NBWL application.
- Revised EMP with inclusion of budget for PUC.

PP has submitted the response of above quarries same date vide letter dated 02.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Ochre 5,244 cum / Annum.
2. The grant of Environmental Clearance should be subject necessary Wild Life Clearance from NBWL to be obtained by PP.

3. A budgetary provision for Environmental management Plan of Rs. 29.96 Lakh as capital and Rs. 8.14 Lakh/year and under CSR Rs. 0.50 Lakh as capital and 02.00 Lakh /years as recurring has proposed.

**10. Case No. – 6253/2019 Shri Rameshwar Prasad Dubey S/o Shri Manohar Dubey, Village & Post - Sakha, Tehsil - Jabera, Dist. Damoh, MP – 470663 Prior Environment Clearance for Flagstone Quarry in an area of 0.49 ha. (1987 cum per annum) (Khasra No. 17/1 Part), Village - Baheriya, Tehsil - Jabera, Dist. Damoh (MP)**

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 17/1 Part), Village - Baheriya, Tehsil - Jabera, Dist. Damoh (MP) 0.49 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 190 dated: 09/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation 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.

**11. Case No. - 6230/2019 Shri Rajendrapal Kushram S/o Shri Raisingh Kushram, Ward No. 03, Dist. Dindori, (M.P.). Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. Capacity - 7666 cum per annum. at Khasra No. 85), Village - Karanpura, Tehsil - Dindori, Dist. - Dindori (M.P.).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at at Khasra No. 85), Village - Karanpura, Tehsil - Dindori, Dist. - Dindori (M.P.) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 42 dated: 17/01/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, During presentation as per Google image based on coordinates provided by PP, Following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	>65 & 50	E & N	Two row of plantations.
Water body	100	East	Provision of garland drain and settling tanks.
Isolated houses	>200	South – east	Two row of plantation

The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ‘A’:

1. Production shall be as per mine plan with quantity not exceeding for Stone 7,666 cum per year.
2. A budgetary provision for Environmental management Plan of Rs. 7.17 Lakh as capital and Rs 1.1549 Lakh/year and under CER Rs. 0.50 Lakh/years has proposed.

**12. Case No. – 6180/2019 Shri Prakash Trivedi, Ward No. 21, Dist. Chhatarpur, MP – 471001 Prior Environment Clearance for Sand Quarry in an area of 3.30 ha. (80726 cum per annum) (Khasra No. 327/2/1, 330/1/2), Village - Fatepur, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 327/2/1, 330/1/2), Village - Fatepur, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 3.30 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease’s within 500 meters radius around the site and other requisite information in the prescribed

format duly verified in the Collector Office letter No. 1965 dated: 09/4/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

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

**13. Case No. – 6262/2019 Shri Anish Mohammad Khan, Village - Mohgaon, Tehsil - Dhanora, Dist. Seoni, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 1.80 ha. (10097 cum per annum) (Khasra No. 157), Village - Mohgaon, Tehsil - Dhanora, Dist. Seoni (MP)**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 157), Village - Mohgaon, Tehsil - Dhanora, Dist. Seoni (MP) 1.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 724 dated: 25/05/18 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, During presentation as per Google image based on coordinates provided by PP, Following sensitive features were observed within 500 meters of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Canal	>70 NE	Encircle the	Provision of garland

	>250 South	lease from North-West to South & North East	drain and settling tanks.
Settlement	>400	NE	Two row of plantations
Pucca Road	>500	SE to NE	

PP stated that crusher is also proposed in the south western corner of the lease. After presentation the committee asked to submit following details:

1. DSR approval letter.
2. Top soil management plan with their budget should be reflected in the project's EMP.
3. Location of proposed crusher should be depicted on surface map.
4. Commitment that no tree felling shall be done which are distinguished in the barrier zone
5. Proposal for 1800 plants within and pout side the lease.
6. Revised EMP & CER.

**14. Case No. – 6265/2019 Shri Sarvendra Singh Chauhan S/o Shri Rajendra Singh Chauhan, Village - Bahera Dabar, Tehsil - Mauganj, Dist. Rewa, MP – 486333 Prior Environment Clearance for Metal Stone Quarry in an area of 1.0 ha. (7879.20 cum per annum) (Khasra No. 35/1), Village - Harraigufran, Tehsil - Mauganj, Dist. Rewa (MP)**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 35/1), Village - Harraigufran, Tehsil - Mauganj, Dist. Rewa (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

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

The case was presented by the PP and their consultant during appraisal of the case; committee observed that in the presentation, information and budget mentioned in the EMP, CER was matching with word to word from the previous presentation i.e. Case no. 6262. Hence, the committees expressed deep dissent and give them warning that to the Consultant /

PP that such acts should not be repeated in future. The case is deferred for next meeting for correcting the facts and figure.

**15. Case No. 4111/15 M/s Vasudha Minerals & Chemicals, Pooja Residency, D.G. 4, Opposite Vishal Sabhagrah, Koradi Road, Mankapur, Nagpura (Maharashtra)-440030. Prior Environment Clearance for approval of Dolomite Mine in an area of 3.084 ha. (29,835 TPA) at Khasra no.-105, Village-Malegaon, Tehsil-Saunsar, District-Chhindwara (MP)**

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-105, Village-Malegaon, Tehsil-Saunsar, District-Chhindwara (MP) 3.084 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.1894, dated: -27/08/15, has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 31.412 ha including this mine.

Earlier this case was discussed in 72<sup>nd</sup> SEAC-II meeting dated 11/04/2017 wherein it was recorded that: this case was discussed in 11<sup>th</sup>, 18<sup>th</sup>, 23<sup>rd</sup>, & 36<sup>th</sup> SEAC-II meeting and proceedings of the same can be referred in the respective meeting minutes.

SEIAA has forwarded this case file vide letter no-5779 dated-31/03/17 stating that “PP has submitted a letter dated 14/03/2017 showing his inclination to attend the SEAC meeting regularly from now onwards. It has been decided to relist the case and send the case file to SEAC for appraisal.”

Based on the above, the case was scheduled for presentation & the case was presented by the PP and their consultant wherein it was observed that it's a case of minor mineral but concerned mining officer vide letter no.1894, dated: -27/08/15 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 31.412 ha including this mine. Since the total area of cluster is >25.00 ha., committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Approved mining plan to be submitted at the time of EIA Presentation.

2. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
3. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
6. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
7. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.
8. Year wise details of minerals already excavated till date should be submitted with EIA report.
9. At least 08 stations should be selected for monitoring and results should be discussed in the EIA report.
10. Hydro geological study should be carried out if ground water intersection is proposed.
11. Top soil management plan should be addressed in EIA report.
12. Input data of modeling should be addressed in EIA along with this all back up calculation.
13. Alternate mineral evacuation route avoiding the nearby habitations (i.e Sawanga Village) should be proposed in the EIA report with budgetary allocations and road dimensions.
14. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
15. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
16. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
17. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
18. Valid mining Plan/mining scheme approved by the competent authority to be submitted along with the final EIA report.
19. Data already collected (from March, 2017) can be used in the EIA report.

PP has submitted EIA Report vide letter dated 02/02/18 which was forwarded by SEIAA to SEAC vide letter no. 1940 dtd. 13/03/18, this was placed before committee.

The case was presented by the PP and their consultant in 311<sup>th</sup> SEAC meeting dated 16/04/2018, wherein during discussion it was suggested by the committee that no OB should be dumped / stored outside the lease area and ground vibration study should be carried out every 06 monthly. PP submitted that during the operations of mine 20 tree falling is proposed for which approval of competent should be obtained. After presentation, PP was asked to submit response on following:

1. Since during study period, schedule-I species were observed in the study area and PP has proposed wild life management plan in the EIA report. This plan should be implemented in consultation with the Chief Wild Life Warden. Thus PP was asked to submit an affidavit that the proposed wild life management plan will be implemented in consultation with Chief Wild Life warden.
2. Transportation plan & traffic management plan considering all other mines in the vicinity.
3. Details of hutments existing within the 500 meters of the lease area and facilities proposed by the PP for them.
4. Being an existing mine, issue record of PPE's should be provided.
5. TOR point wise compliance report is not submitted with the EIA report and hence same should be provided.
6. Photographs showing the mine boundary pillars with co-ordinates.
7. Copy of approved mine plan should be submitted.
8. Proposal for overhead water sprinkling system with budgetary allocations in EMP.
9. Revised CSR and EMP as suggested by the committee with its bifurcation in capital and recurring cost.

Letter was issued to PP for submission of desired information vide letter no. 157 dated 08/05/2018.

This case was scheduled in 340<sup>th</sup> SEAC meeting dated 30/01/2019, Since PP has not submitted the desired information and case is pending since June, 2018 thus case may be delisted as per MoEF&CC OM J-11013/5/2009-IA-II (Part) dated 30/10/2012. Above desired information not submitted and case is pending since June, 2018 thus case may be delisted as per MoEF&CC OM J-11013/5/2009-IA-II (Part) dated 30/10/2012.

SEIAA vide letter no 2849 dated 29/03/2019 forwarded this case to SEAC by stating that:

The case was discussed in 530<sup>th</sup> SEIAA meeting dated 15/3/2019 and it has been recorded that: PP has submitted desired information on 05/3/2019 therefore it has been decided to relist the case and send the technical file to SEAC for appraisal.

Based on the above submission by PP this case was scheduled for the query reply presentation and discussion which was raised in 311<sup>th</sup> SEAC meeting dated 16/04/2018, 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. Committee decided to call the PP in subsequent meetings.



In the SEAC 369 SEAC meeting dated 03- 05-2019, the case was scheduled again for presentation wherein it is recorded that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier the PP was also absent in the 358<sup>th</sup> SEAC meeting dated 09-04-2019 & SEAC 311<sup>th</sup> SEAC meeting dated 16/04/2018. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The PP and their consultant presented the query reply presentation before the committee, PP submitted that:

- Implementation of Conservation Plan of scheduled fauna in the area will be done in consultation with Chief Wild Life warden. Undertaking in this regard has been submitted.
- Transportation plan & traffic management plan considering all other mines in the vicinity have been prepared and submitted.
- An amount of Rs. 2 Lakhs per year is allocated under ESR activities for existing hutments.
- Within the 500 meters of the lease area 10 quarters have been provided to labours.
- All facilities like clean drinking water, Sanitation, fuel, health facilities, education for labour's children etc. as per guideline are being provided.

The query replies which was presented before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for for approval of Dolomite Mine in an area of 3.084 ha. (29,835 TPA) at Khasra no.-105, Village-Malegaon, Tehsil-Saunsar, District-Chhindwara (M.P.) subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.

3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.
20. 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 2000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine.

The size of the Garlanddrain will be 910 M X 1M X 1M. The settling tanks will be 04 in number of size 5M X 3MX 3M.

25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

<b>Sl.No.</b>	<b>Particular</b>	<b>Existing area in ha.</b>	<b>After Five Year (ha.)</b>
1.	Area under pits	1.0	2.50
2.	Area under Road	0.10	0.07
3.	Area under storage	--	--
4.	Area under dumps/rejects	--	--
5.	Area under office /store	--	0.20
6.	Area under Green belt	Nil	0.23

28. 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.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

33. In the proposed EMP, capital cost is Rs. 20.00 Lakh is proposed and Rs.7.50 Lakh /year as recurring expenses Out of which Rs. 2.0 Lakh for plantation [@400 plant/year] as capital and Rs. 4.0 Lakh /year as recurring cost .

34. Under CSR activity, Rs. 10.0 Lakh /year are proposed as capital and @2.0 Lakh/year upto five years as recurring expenses respectively in different activities and should be implemented through respective committees.
35. 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.
36. 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.
37. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
38. PP will comply with all the commitments made vide letter dated 15.03.2019.
39. 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 EC.

**16. Case No. – 5678/2018 Shri Shrikanmt Pandey, R/o Gandigram, Sihora, Jabalpur, MP – 482001 Prior Environment Clearance for Laterite, Iron Ore and Manganese Mine in an area of 4.00 Ha. (Laterite – 96,415 ton per annum, Iron Ore – 12,265 ton per annum) (Khasra no. 148) at Village- Hirdengar, Tehsil - Sihora, Dist. Jabalpur (MP).**

This is case of Laterite, Iron Ore and Manganese Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 148) at Village- Hirdengar, Tehsil - Sihora, Dist. Jabalpur (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

This case was scheduled in 315<sup>th</sup> SEAC meeting dated 18/06/2018, where PP and consultant were present, and during discussion and persuals of the documents it was observed by the committee that this is the case of violation as PP has already done production without obtaining the prior environmental clearance in terms of the provisions of the EIA Notification, 2006 and thus identified to be in violation of the same.

Committee considering the recent GoI, MoEF & CC Notification dated 8<sup>th</sup> 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 08<sup>th</sup> March 2018 along with standard TOR prescribed by the MoEF&CC under following specific conditions for conducting the EIA along with following additional TOR's and as annexed as Annexure-D :-

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. Hydro geological studies should be carried out and be discussed in the EIA report.
5. Detailed plantation scheme with budgetary allocations be provided in the EIA report.
6. Mine water management plan be provided in the EIA report.
7. Land use plan should be plotted on the map.
8. Assessment of Ecological damage by this project and its Remediation Plan should be discussed in the EIA report.
9. Natural and community resource augmentation plan should be discussed in the EIA report.
10. Year wise quantity of production carried out till date, quantity of product sold with its market value and royalty paid.
11. Cumulative impact should be studied as proposed site is surrounded by other mines.
12. Minimum six monitoring locations shall be selected for Air, Noise and Water.
13. Environmental Cost Benefit analysis should be carried out and submitted with the EIA report.
14. Environmental Policy of the company issued by the director with environmental management cell should be submitted with the EIA report.
15. Issue like storm water management plan, mine water discharge, safety barrier zone with the neighboring mines etc. should be properly addressed in the EIA.
16. Details of afforestation done till date with name and number of species and proposed plantation scheme should be provided in EIA with supporting photographs.
17. Proposed workers facilitate and workers welfare scheme should be discussed in the EIA report with financial allocations.
18. Any alternate route avoiding the nearby habitations.
19. Land use plan should be plotted on the map.

PP has submitted the EIA report vide letter dated 05/04/2019 which was forwarded through SEIAA vide letter no. 170 dated 08/04/2019 which was placed before the committee.

The case was scheduled for the EIA presentation and discussion in 362<sup>nd</sup> SEAC meeting dated 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 in case the PP remains absent, the decision will be taken on the basis of documents received from SEIAA.

In the SEAC 369<sup>th</sup> Meeting dated 03.05.2019, the EIA was presented by the PP and their consultant and during presentation it was observed that PP has not submitted the desired information as per the issued TOR. After EIA presentation PP was asked to submit response on the following queries:

- Point wise ToR compliance report.
- Slope stability Study.
- Assessment of Ecological damage by this project and its Remediation Plan should be discussed in the EIA report as per TOR point no. 8.
- Natural and community resource augmentation plan should be discussed in the EIA report as per TOR point no. 9.
- Commitment from PP that no drilling and blasting shall be done.
- Proposal for check dam and garland drain to reduce flow speed.
- Storm water management Plan to avoid outflow of runoff in the lease.
- Revised EMP (budget for PPE, VT).
- Revised plantation scheme.

The PP and their consultant presented the query reply presentation before the committee, PP submitted that:

- **Slope Stability in Mines :**

S. No	Length (mm)	Breadth (mm)	Height (mm)	weight (gm)	Failure Load (Kg)	Compressive Strength		Specific gravity	
						(MPa)	Avg.		Avg.
1	26.22	26.39	25.20	47.09	7100	100.63		4..69	

2	27.29	26.49	26.53	49.55	4700	63.76		4.57	
3	26.52	26.57	25.41	46.73	5000	69.59		4.60	
4	26.72	26.78	24.61	45.61	6000	82.23	<b>78.13</b>	4.58	<b>4.61</b>
5	25.47	25.59	26.25	47.53	5100	76.74		4.76	
6	26.38	27.72	25.39	45.96	4000	53.66		4.46	
7	25.80	25.52	25.35	46.41	9300	138.52		4.77	
8	26.99	27.39	23.88	45.33	4000	53.06		4.55	
9	27.40	26.29	25.90	48.70	6300	85.77		4.60	
10	27.21	27.05	25.37	47.91	4300	57.29		4.55	

- PP submitted that the rock mass at different locations in these mines was classified using this approach. The above parameters were determined for different locations in the benches. The basic RMR so determined has varied from 37 to 60, which signifies mainly good to very good rock mass conditions.
- The unit weight, cohesion and friction angles for Samples were considered at 26.0 KN/m<sup>3</sup>, 80 - 185 KPa and 25-30<sup>o</sup> respectively based on the estimates from Bieniawski's RMR, literature and engineering judgment.
- The observation of mine workings shows that the workings can be safely considered up to 10 meter bench after adopting the proper drainage plan in this mines. The stability analyses were thus conducted considering fully drained conditions and also considering a phreatic surface due to ground water.

### Recommendations

- In slopes, where the benches are inactive and have reached ultimate limits, retaining bunds made of rock boulders may be erected/placed so that any rock block after detachment doesn't move onto the lower benches.
- A good drainage system is the key to maintaining stable slopes during the life of an open pit mine. The appropriate drainage measures must be undertaken so that water entering into the slope is kept at a minimum especially during the rainy season. A garland drain may be cut all around the mine to collect surface run-off of rain water before it goes into the mine slopes. The drain may be steeply graded to facilitate water movement and to minimize the chances of interruptions. The drains should be kept clear of any debris and silt. In the case when diversion of rain water away from the pit is not feasible, then a proper drain pattern may be implemented to allow the water to collect in the mine sump.
- Convex slope geometries should be avoided as they create unfavourable stress conditions and may lead to potential slope instabilities. Undercutting of benches at the toe region should be avoided under all circumstances as it creates unstable slope conditions.

### **3. Assessment of ecological damage by this project**

There is no ecological sensitive site near the project except budhagar pond ,which is located at about 0.53 Km from the project site. There is no forest area, archaeological monument and defence installation within the 10 km from the project site.

It can be seen thatn no any schedule-I species was observed in the study area which required protection. On the other hand Remediation plan for plantation of tree is chalked out and given along with this report. This will not only increase the canopy cover but enhance the biodiversity of the area. Thus it can be safely concluded that the project will not have any adverse effect on ecology of the area.

### **4. Natural community resource augmentation plan:**

Above mentioned document is already submitted to your office on 21.05.2019. We would like to draw your kind attention that mine was in operation upto 2014 and same had been shown in EIA/EMP and presented before the H'ble committee. The PP obtained the CTO from MPPCB for that period in the light of this fact point no. 4 is not applicable on us.

### **5. Estimation of flow:**

The average annual rainfall is around 1200 mm per annum. The maximum daily rainfall ever recorded at Jabalpur was 138 mm. out of which 36% is lost as the surface runoff, 44% is lost through evapotranspiration and only 20% is enter into the subsoil and recharge the aquifer.

During discussion, it was submitted by PP had done Mining operation from 2009 to 2014-15 without EC since 2014 onwards production constitutes violation as per TOR meeting held in 2018. PP submitted that for this violation, PP further submitted that since it has been brought in to the knowledge that mining without EC is a violation they have completely stopped the production and applied for the same and the mistake done by them will not be repeated in future. As per the plan submitted by PP, Rs. 5 lacks was proposed for the remediation and resource augmentation plan. However, after details discussion certain amendments were suggested by the committee and PP was asked to submit revised proposal for the remediation and resource augmentation plan.

PP has submitted the following revised proposal vide letter dated 04/07/2019 which was placed before the committee:



S. No.	Environmental Attributes	Cost that would have been incurred, had the Environmental Clearance been obtained	Cost (in Rs.) already incurred by the PP even in the absence of EC	The additional amount (in Rs.) which the PP would have been required to spend as remedial measures.
1	Land use	Land degradation is inevitable. 3.0256 Hectare of land was degraded	No additional damage was caused in absence of EC	Nil Surface Plan Of 2014 & 2015 Enclosed For Ready Reference. Annex-1 and 1A
2	Fertile Top Soil	Under EC condition the topsoil would have been used for plantation work.	On the basis of 10 cross section soil samples, we found only 15cm. top soil were fertile inside lease area, and being used for plantation purpose; 1.21024 Ha.(total broken up area 3.0256 Ha.) @453.08 cu. M which were used for the plantation purpose.	Enclosed photograph of plantation where top soil had been utilized. Annex-2
3	Air	Cost of tanker & Dust Suppression 100000/ & COW-125000/ per year) – plus transportation Rs. 100000/- total =rs 325000/ for 250 days	Actual Cost incurred on Dust suppression by tanker – Rs. 95000/- cost of water-100000/ transportation-55000/ In 200 days Annex-3	Rs. 75,000/-
4	Health and Safety of Mine Workers	a) Medical Checkup – Rs. 1,00,000/- (Rs. 5,000/- per year for 20 workers) b) Expenditure on Monitoring- Rs. 1,00,000/- (Rs. 5,000/- worker per year)	a) Medical Checkup – Nil b) Expenditure on Monitoring – Nil	a) Rs. 1,00,000/- b) Rs. 1,00,000/-
5	Plantation	As per EC Condition priority would have been given to undertake plantation over the boundary barriers & outside the lease area Cost that would have been incurred – 1000 x 250 = Rs. 2,50,000/-	Actually, in the absence of EC the broken up land was 3.0256 Ha. and PP was imposed to do plantation over an area 0.99 Ha. say 1.00 Ha. (one third of the area). PP has planted only 200 samplings (at present) @ 250 = 50,000/- (photograph	Rs. 2,00,000/-

			attached )	
6	Water	Expenditure likely to be incurred on construction & strengthen of Garland drains, catch drains and Siltation pond & Proper channelization of natural first order nallahs first order nallahs would have conserved more rain water – Rs. 1,25,000/- (Capital cost Rs. 50,000/- & Rs. 25,000/- recurring cost)	Cost actually incurred on construction of Garland drains, catch drains and Filtration pond & proper channelization of rain water but, some rainwater was lost. – Rs. 50,000/- (photograph attached ) Annex-4	Extra capital cost incurred for the purpose of harvest rain water, strengthen & maintenance of catch drain, garland drain & siltation pond will be of Rs. 1,25,000/-
7	Noise	Cost likely to be incurred on the maintenance of the machinery and providing Personal Protective Equipments – Rs. 1,20,000/-	Cost actually incurred on the maintenance of the machinery and provided personal protective equipments Rs. 1,20,000/-	Nil
8	Road Strengthen	Strengthen of exiting Kaccha road which was being use for transportation of mineral – Rs. 1,00,000/-	No expenditure was incurred in the strengthen of existing of Kaccha Road	Rs. 1,00,000/-
<b>Grand Total</b>				<b>Rs7,00,000/-</b>

Additionally, PP has proposed Rs. 65,000/- for CSR and Rs. 75,000/- for labour welfare in EMP. Committee after considering the reply recommends that PP may be asked to deposit the bank gurantee (BG) of Rs.7,00,000/- (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

The query replies which was presented before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Laterite, Iron Ore and Manganese Mine in an area of 4.00 Ha. (Laterite – 96,415 Ton per annum, Iron Ore – 12,265 ton per annum) (Khasra no. 148) at Village- Hirdengar, Tehsil - Sihora, Dist. Jabalpur (M.P.) subject to the following special conditions and subject to submission of BG of Rs.7,00,000/- (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board:

**(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. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. 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.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the EMP a minimum of 3600 trees shall be planted on barrier zone, approach route and in mined out benches.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.

23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the Garland drain will be 825 M X 1M X 1M. The “double S” type settling tanks will be size of 2M X 10M X 3M.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. 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.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

32. In the proposed EMP, capital cost is Rs. 8.94 Lakh is proposed and Rs.1.956 Lakh /year as recurring expenses Out of which Rs. 4.12 Lakh for plantation as capital and Rs. 0.825 Lakh /year as recurring cost.
33. Under CER activity, Rs. 5.0 Lakh /year are proposed as capital and Rs. 9.75 as recurring expenses respectively in different activities and should be implemented through respective committees.
34. 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.
35. 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.
36. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

37. PP will comply with all the commitments made vide letter dated 21.05.2019.
38. 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 Environmental clearance.

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

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

**(Dr. Rubina Chaudhary)**  
**Member**

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

**(Dr. J. P. Shukla)**  
**Member**

**(R. S. Kori)**  
**Secretary**

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

**Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions and cases appraised for grant of TOR:**

**Annexure- 'A'**

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

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
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/competent authority.
10. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
11. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. 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.
12. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. 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.

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. 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.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

**Annexure- 'B'**

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

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trolleys (tractor trolleys) and not by heavy vehicles. Only registered tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
6. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
7. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
8. 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.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.

12. 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.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. 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.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. 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.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
23. 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.
24. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

**Annexure- 'C'**

**Standard conditions applicable for the Sand deposits on Agricultural Land/ Khodu Bharu Type Sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.



5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
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 mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. 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.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. 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.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. 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.

22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

**Annexure- 'D'**

**General conditions applicable for the granting of TOR**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report.
3. 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.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. 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.
12. 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.
13. Grant of TOR does not mean grant of EC.
14. 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. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. 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.
16. 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.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with 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. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.

**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.**

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