

The 298<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 17<sup>th</sup> November, 2017 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

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

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

**1. Case No. - 5548/2017 M/s Hira Power and Steel Ltd, Khasra No. 511/1, 512/2, Urla Industrial Complex, Raipur, CG - 492003 Prior Environment Clearance for Manganese Ore Mine in an area of 6.264 Ha. (18000 TPA ha.) (Khasra no. 16/1) at Village- Jagantola, Tehsil - Paraswada, Dist. Balaghat (MP) (EIA - Insitu Envirocare, Bhopal)**

This is case of Manganese Ore Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 16/1) Village- Jagantola, Tehsil - Paraswada, Dist. Balaghat (MP) 6.264 Ha. The project requires prior EC before commencement of any activity at site.

Objective	Environmental Clearance for capacity expansion at Underground Manganese ore mine (6.264 ha)
Existing Capacity	10, 000 TPA of Mn ore
Proposed Capacity	18, 000 TPA of Mn ore
Land use of core zone	Own Land
Lease period	03/11/2046
Validity of CTO	01/04/2016 to 31/03/2017 (Applied for the CCA renewal on 11/01/2017)
Previous Environmental Clearances	Letter No. J – 11015/212/2006 – IA.II (M), Dt. 27/09/2007 Letter No. 64/EPCO-SEIAA/12, Dt. 18/04/2012
Verification of Compliance by MoEF & CC	• eriod from 2008 to 2012 - Vide letter no. 3-38/ 2007/ ENV/ 203, Dated14/02/2012.

	<ul style="list-style-type: none"> <li>Period from 2012 to 2017 – Applied to MoEFCC vide letter no. HPSL/MINE/MoEF/17-18/006, dated: 11.04.2017</li> </ul>
Location of Mine	Khasra No. – 16/1, Village – Jagantola, Tehsil – Paraswada, District – Balaghat (M.P.)
Lessee	Hira Power & Steels Ltd.
Altitude	640 – 600mRL ( underground lowest – 529mRL)

Clarification regarding no requirement of NOC from commissioner level forest committee for 250 meter from forest boundary:

During presentation it was submitted by PP that as our Mining Lease area is not touching the forest boundary from any side and it is surrounded by ML area of Krishna Mining & Trading Syndicate (62.58ha) from 3 sides & one side it is adjacent to Mining Lease area of Mr. I. Patric Dhanaraaj, hence there is no necessity of NOC from commissioner level forest committee for 250 meter from forest boundary. Furthermore in letter of Govt. of Madhya Pradesh, Forest Department, Ministry which is addressed to MS MPSEIAA clearly written that “It is an old Mining Lease hence, no requirement of NOC Certificate”. Govt. of M.P. Forest division, Ministry, Vallabh Bhavan, Bhopal, vide letter no. F-5/16/81/10-3, Bhopal dated 07.10.2002 also stated that provision for NOC from commissioner level forest committee for 250 meter from forest boundary is not applicable in case the Mining Lease is sanctioned prior to above stated date i.e. 07.10.2002 and our mine is sanctioned before this date.

Location	Village – Jagantola, Tehsil – Paraswada, District – Balaghat (M.P.)
Toposheet No.	64 C/5
Co-ordinates	Latitude – 21 <sup>o</sup> 56’53.90” to 21 <sup>o</sup> 57’07.90” N Longitude – 80 <sup>o</sup> 25’54.00” to 80 <sup>o</sup> 26’20.10” E
General ground level	636mRL
Elevation range	634mRL to 640mRL
Nearest Highway	State Highway – 26, 0.7 km towards North
Nearest Railway Station	Balaghat 45 km SW
Nearest Airport	Raipur 200 km SE

National park/ Wild Life Sanctuary/ Biosphere reserve/ tiger reserve/ elephant reserve etc. within the core and buffer zone of the mine	No National park/ Wild Life Sanctuary/ Biosphere reserve/ tiger reserve/ elephant reserve etc are reported to be located in the core and buffer zone of the mine.
Reserved / Protected Forest within 10 km radius	RF 1801 – 1.3 km West, RF 1802 – 55mtr West RF 1803 – 1.8 km SW, RF 1804 – 1.4 km South
Surrounding villages within 1 km of the project	Jagantola – NE, Rupjhar – NW, Daldala – East, Dhanitola - SE
Nearest River	Amanala – 1.25 km West, Kasturi nala – 0.75 km East
Nearest Lake & Ponds	Amanala dam – 1.4 km SW
Other Mines located within 500 m radius	Krishna mining & trading syndicate mine Jagantola,
Industry located within 10 km radius	None within 10 km
Area Surrounded by	North, East & South – Krishna mining & trading syndicate ML, West – I. Patric Dhanaraaj ML

The case was presented by the PP and their consultant in 77<sup>th</sup>, wherein PP submitted that it's a proposal for expansion from 10,000 TPA to 18,000 TPA without any change in the technology. Earlier EC was granted for the expansion from 8,000 TPA to 10,000 TPA with change in technology from open cast to underground mine by manual/semi mechanized method in an area of 6.264 ha and EC was issued vide letter no. 64/EPCO-SEIAA/12 Dated 18/04/2012. PP requested committee further that as per clause No. 7(ii) (a) of MOEF notification No. S. O. 3518 (E) dated 23<sup>rd</sup> Nov. 2016 they may be categorized in B2 category (without following entire environmental clearance process such as EIA report and public hearing) since proposed change does not result in any adverse impact on environment and whereas, the change in quantity of existing projects having environment clearance within existing area may be exempted from entire environmental clearance since there is no additional pollution load beyond the earlier approved threshold limit envisaged.

The provisions made in referred notification dated 23/11/2016 were placed before the committee which reads as follows:

*“All applications seeking prior environmental clearance for expansion with increase in the production capacity beyond the capacity for which prior environmental clearance has been granted under this notification or with increase in either lease area or production capacity in the case of mining projects or for the modernization of an existing unit with increase in the total production capacity beyond the threshold limit prescribed in the Schedule to this notification through change in process and or technology or involving a change in the product mix shall be made in Form I and they shall be considered by the concerned Expert Appraisal Committee or State Level Expert Appraisal Committee within sixty days, who will decide on the due diligence necessary including preparation of Environmental Impact Assessment and public consultations and the application shall be appraised accordingly for grant of environmental clearance”.*

Committee after deliberation and considering the MoEF&CC notification issued vide SO 3518(E) dated 23/11/2016, 7(ii) (a) in EIA Notification, 2006 recommends that PP has to carryout EIA study to ascertain the increase in pollution load however and in place of public hearing as per EIA Notification, 2006, a notice may be given in local two news papers inviting suggestions/objections for this expansion project through regional officer, MP Pollution Control Board, Jabalpur and same should be addressed through EMP with EIA report. PP further submitted that they have started collecting the baseline data from March, 2017. It's being a case of Manganese Ore Mine and falls under B-1 category committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA with following additional TORs:-

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 earlier EC conditions from MoEF&CC should be obtained and submitted with EIA report.
8. Year wise details of minerals already excavated till date should be submitted with EIA report.
9. Hydro geological study should be carried out if ground water intersection is proposed.
10. Top soil management plan should be addressed in EIA report.
11. Input data of modeling should be addressed in EIA along with this all back up calculation.
12. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.

13. Being operative mine, videography of mine and surrounding area should be carried out with aerial view by drone camera and submitted with EIA report.
14. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
15. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
16. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.
17. PP would follow environmental extend rules.

PP has submitted the EIA report vide letter dated 24/10/2017, which was forwarded by the SEIAA vide letter no. 1085 dated 30/10/2017.

The case was presented by the PP and their consultant during the initial appraising of the TOR compliance it was observed by the committee that neither the PP has submitted MoEF&CC's compliance report of earlier EC conditions with the EIA nor carrying the same at the time of presentation. Committee deliberated that being this is the case of underground mining where critical issues such as mine water discharge, subsidence, illumination, ventilation etc are involved hence compliance of earlier EC conditions is must to know the status of various mining activities and environmental safeguards taken by the PP till date. Thus committee asked PP to submit the compliance report of earlier EC conditions duly verified by the MoEF&CC for further consideration of the project.

For EC compliance report, PP submitted vide letter dated 17/11/2017 that they have requested MoEF&CC long back and submitted all the desired informations but till dated compliance report is not issued by the central ministry. As per recent circular of MoEF&CC issued vice letter no. J-11013/6/2010-1A II (Part) dated 07/09/2017, PP requested to write a letter to regional office of MoEF&CC for submission of EC compliance report within 30 days form Secretary, SEAC.

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

## **PROJECT PROPOSAL**

The project proposal is to set up manufacturing of Polyester Resin - Polyethylene Terephthalate (PET) Chips- 99000 MTPA and installation of HTM heater (Pet coke as fuel)

13.5 Million KCAL at Village - Ujjaini, P.O. - Digthan, Tehsil & District - Dhar (M.P.) (Cat. – 5 (f) Project).

**Project Location**

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

<u>Particulars</u>	<u>Description</u>
Cost of Project	110 crore – PET chips plant Total estimated cost of complete project is 1580 crore for all three phases.
Total Area	263992.93 sq.m. (65.64 acres)
Water Requirement and source	Total Water Requirement - 1560 KLD Daily water requirement after recycle – 1416 m <sup>3</sup> /day Source: Madhya Pradesh Audyogik Kendra Vikas Nigam (Indore)

Power Requirement	Electric Power per 1000 Kg of chips from CP – 45 KW Electric Power per 1000 Kg of chips from BP – 80 KW DG set: 1650 KVA DG set: 2500 KVA will be available in standby mode
Manpower Requirement	600
Number of Shift	Three Shift Basis ( Round the clock)
No. of Working Days	365 Days

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

1. PP should explore the possibility of reducing water demand and measures should be discussed in the EIA report.
2. Submit the certificate of competent authority verifying the distance of protected area/Eco-sensitive zone.
3. It should be a “Zero Discharge Unit”, thus proposed measures should be discussed in the EIA report.
4. Detailed green belt plan with area, name of species and their number should be provided in EIA report.
5. Any area marked for further expansion in this proposed unit should be detailed out on a layout map and submitted with EIA report.
6. TDS concentration should be studied “stream by stream”, and same should be discussed in the EIA report.
7. Public hearing should be conducted as per the provisions laid down in the EIA Notification, 2006.

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

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

1.	Name of the project & its location:	Proposed Manufacturing of Polyester Resin-Polyethylene Terephthalate (PET) Chips - 99000 MTPA and installation of HTM heater (Pet coke as fuel) 13.5 Million KCAL Plot No. 1, New Industrial Area Ujjaini (MPAKVN), Lebad-Manpur Road, Village Ujjaini, P.O. Digthan, Tehsil, Dhar, District Dhar (MP), Pin Code – 454773
2.	Name of the Company, Address  Tele No. & E-mail :	<b>M/s Vacmet India Limited</b> Plot No. 1, New Industrial Area Ujjaini (MPAKVN), Lebad-Manpur Road, Village Ujjaini, P.O. Digthan, Tehsil, Dhar, District Dhar (MP), Pin Code – 454773 0562-4050404, Mobile -9927557670 <a href="mailto:p.agarwal@vpiplmail.co.in">p.agarwal@vpiplmail.co.in</a> , <a href="mailto:vacmetindore@vpiplmail.co.in">vacmetindore@vpiplmail.co.in</a>
3.	Latitude and Longitude of the project.	Latitude: 22°29'27.68" to 22°40'06.04" N, longitude: 75°20'39.48" to 75°32'15.58" E within industrial area
4.	If a Joint venture, the names & addresses of the JV partners including their share.	No
5.	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	New Project, the proposed project is 263992.93 m <sup>2</sup> (65.64 acres), The site is well connected with Road/Rail. The details are as follows: ✓ Nearest Road: Lebad-Dhar By pass road ~6.0 Km, NNW ✓ Nearest airport- Devi Ahilyabai Holkar (Indore) Airport ~40.43 Km, ENE
6.	Cost of the project.	The project cost is estimated to be Rs. 110 Crore.
7.	Whether the project is in Critically Polluted area.	No
8.	If the project is for EC under EIA Notification, 2006	Yes, As per EIA Notification the project is categorized in 5 (f) for production of Polyethylene Terephthalate (PET) Resin with



		capacity of 99,000 Metric Ton /Annum and installation of HTM heater PET coke based 13.5 Million KCAL.
a)	For the first time appraisal by EAC (i) Date of ToR: (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP	i) 19 <sup>th</sup> January 2017 ii) 30 <sup>th</sup> August 2017, near proposed site (AKVN Building) iii) In EIA report
b)	Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP.	Not applicable
9.	If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	Not applicable. The project area falls under Notified Industrial Zone
10.	If the project falls within 10 km of eco- sensitive area (i) Name of eco- sensitive area and distance from the project site, (ii) status of clearance from National Board for wild life.	Nil, DFO letter will be submitted during presentation
11.	Waste Management	
i.	Water requirement, source, status of clearance	<ul style="list-style-type: none"> <li>• ~ 1008 KLD water will be required for plant activities. Total water after DMF treatment will be 880 KLD. Water received as co product during resin production =30 KLD hence daily fresh water intake will be 1008 – 205 – 30*=773 KLD.</li> <li>• Water will be sourced from Madhya Pradesh Audyogik Kendra Vikas Nigam (Indore) through pipeline network</li> </ul>
ii.	Waste water quantity, treatment capacity, detail	The domestic wastewater generation will be expected to be 32 KLD. The generated domestic wastewater will be treated in STP (capacity 40 KLD) and used for plantation/gardening/toilet flushing.

		<p>Total quantity of wastewater in the form of rejects from various treatment systems will be (278 KLD). These rejects will be collected and treated in RO, 54 KLD will be use in gardening purpose in the premises whereas 205 will be reuse in the process and rest of the 19 KLD having high TDS water will be evaporated in spray drier and cakes will be disposed of at TSDF.</p> <p>205 KLD water will be recycle in the process and 803 (730+54 +19) KLD will loss through evaporation through manufacturing process + plantation and + evaporation via spray drier respectively hence daily water intake will be 1008 – 205 =803KLD. No liquid waste will be discharged to any drains. The company will be following zero discharge norms.</p>
iii.	Recycling / reuse of treated water and disposal	<p>880 KLD treated water is available for various purposes. 120 KLD treated water will be us for various process (CP + Film plant), 60 KLD each and out of this 60 KLD Evaporation losses and whereas 60 KLD wastewater is generated. 40 KLD treated water will be require for the domestic purposes out of this 8 KLD loss by the evaporation and 32 KLD wastewater (sewage) will generate. Similarly 720 KLD water will be require for the cooling purposes out of this 662 KLD water will be loss by evaporation and 58 KLD wastewater will be generate. Total 730 KLD water will be loss by the evaporation through various activities and 278 KLD wastewater will be generate out of this 246 will be wastewater whereas 32 will be sewage. 278 KLD wastewater having TDS of 1500 mg/L will be use for the gardening purpose in the premises. 205 KLD water will be recycle in the process and 803 (730+54 +19) KLD will loss through evaporation through manufacturing process + plantation and + evaporation via spray drier respectively hence daily fresh water intake will</p>

		<p>be <math>1008 - 205 = 803</math> KLD.</p> <p>Water received as co product during resin production = 30 KLD hence daily fresh water intake will be <math>1008 - 205 - 30 = 773</math> KLD.</p>
iv.	Solid Waste Management	<p>1.5 Mt/Year Approx. solid waste and Used oil – 1000 Ltrs /Year will be generated from the plant</p> <p>The waste generated will be collected, segregated for organics and inorganics. The organic waste will be sent for composting and inorganic wastes will be given to the authorized recycler.</p>
v.	Hazardous Waste Management	<p>There will not be hazardous waste generation from the pollution control facilities. The waste oil will be sold to recycler/ reprocessors registered with CPCB whereas the others will be disposed off at common TSDF (M.P. waste management project) Pithampur.</p>
12.	Other details	
i.	Noise Modeling with noise control measures for airports	Noise modeling done for this project
ii.	Details of water bodies, impact on drainage if any	<p>Chambal River ~8.4 Km -E, Dangul Nadi ~3.2 Km -E, Khunikhal Nadi ~7.2 Km -E , Mohani Nadi ~3.2 Km -NNE, Bageri Nadi ~5.9 Km -W from project site</p>
iii.	Details of tree cutting	M/s Vacmet India Ltd. is within the industrial area of Ujjaini and will not involve destruction of any forest land, no tree cutting will involve during the construction phase.
iv.	Energy conservation measures with estimated saving	<p>With the replacement of chilled water load to closed loop cooling towers, installing vapor absorption machines in waste heat and also from Column water vapors from Resin, replacing conventional lights with LEDs and by providing VFDs to various motors, we will be able to save about 720000 of electricity units per year.</p>
v.	Green belt development (20 % of construction projects and 33 % for others)	<p>The total plot area will be 263992.93 sq.m. and green belt will be developed in 79997.85 sq.m.</p> <p>Total 12800 sapling (@ 1600/Ha) will be planted</p>

		within 79997.85 sq.m (8 Ha) area covering 30% of the plant premises.
vi.	Parking requirement with provision made	Sufficient parking space available within plant for ultimate capacity
13.	If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan	Not applicable
14.	If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9 (iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall (v) Any other relevant information :	Not applicable
15.	Other	
i.	Investment/Cost of the project is Rs (in crore).	The project cost is estimated to be Rs. 110 Crore.
ii.	Employment potential	The proposed industry will be providing employment to about 600 people directly and indirectly.
iii.	Benefits of the project	Vacmet has producing polymer and BOPP (Biaxially Oriented Polypropylene) film since 1993. The company exports these films to about 80 countries. Such type of company when enter in the area people will definitely benefited directly or indirectly from their activities.  There is a huge demand of the proposed products in the export market. Our products are widely used and are in demand in the Polymer industry.

		This project being export oriented the capital investments towards building, plant and machinery and other utilities will add to national exchequer and revenue generation in terms of FOREX.
16.	Date of Ground water clearance:	Not applicable, Source of water: Madhya Pradesh Audyogik Kendra Vikas Nigam(Indore) through pipeline network
17.	Date of mine closure approval	Not applicable,
18.	Numbers of plantation proposed & area allocated for plantation with budgetary provisions.	The total plot area will be 263992.93 sq.m. and green belt will be developed in 79997.85 sq.m. Total 12800 sapling (@ 1600/Ha) will be planted within 79997.85 sq.m (8 Ha) area covering 30% of the plant premises. With budgetary provision in EMP will be 1.0 crores towards capital cost and 0.25 crores recurring for plantation.
19.	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	Not applicable,

### Source of Water Supply and Requirement

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

### Domestic waste

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

### Industrial Wastewater

Total quantity of wastewater in the form of rejects from various treatment systems will be (278 KLD). These rejects will be collected and treated in RO, 54 KLD will be use in gardening purpose in the premises whereas 205 will be reuse in the process and rest of the 19 KLD having high TDS water will be evaporated in spray drier and cakes will be disposed

of at TSDF. 205 KLD water will be recycle in the process and 803 (730+54 +19) KLD will loss through evaporation through manufacturing process + plantation and + evaporation via spray drier respectively hence daily water intake will be  $1008 - 205 = 803$  KLD. No liquid waste will be discharged to any drains. The company will be followed zero discharge norms.

### **Solid/Hazardous Waste Management**

The solid waste generated from the plant will be polyester waste during the manufacturing of film. It will be sent to recycling unit and reused again. The waste from the recycling unit will be used widely for making polyester yarn, toys and molding process for making various items, so the polyester waste will be sold to the manufacturing of yarn and toys etc. 1.5 Mt/Year Approx. solid waste and Used oil – 1000 Ltrs /Year will be generated from the plant

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

During presentation it was observed by the committee that the entire surrounding area of the project site is water scare thus PP should take all possible steps to conserve water and zero discharge condition should be maintained. It was further observed by the committee that the monitoring value of PM10 at project site is very high (120.4  $\mu\text{g}/\text{m}^3$ ) during study period for which consultant informed that at the time of monitoring the site preparation work and road construction (which was kachha) was undergoing and same resulted in the higher values of PM10 which can be further confirmed by the results of adjoining monitoring locations where the values were well within the limits. Since very high values of PM10 were recorded on the project site committee recommends that two on-line continuous ambient air quality monitoring stations on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations and data should also be displayed on the main entry gate of the facility. The ambient air quality shall also be monitored in and around the facility area and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB. During discussion it was observed that PP has not mentioned the dimensions of all the units of ETP for which PP submitted that they are having the dimensions and same will be submitted after presentation along with the MSDS and hazardous waste details. It was also discussed during presentation that the total volume of waste water is 148 KLD while the proposed ETP is only for 65 KLD for which PP submitted that the ETP will be established in

phases as they will install the Polyethylene Terephthalate (PET) Resin plant in phases and as and when the proposed ETP capacity is exhausted, another unit will be established for treating additional waste water. Committee asked PP to submit these details in writing for which PP informed that same will be submitted after their presentation as they are having all these details with them in soft form and same will be printed and submitted. During presentation, it was suggested by the committee that ash should not be disposed off through brick manufacturers and same should be disposed off through cement mill and be transported through bulkers/closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently. During presentation PP informed that they are operating same nature of unit in India and thus have sufficient knowhow to operate such unit complying environmental laws. PP further submitted that they are submitting following commitments for environmental safeguard via an affidavit dated 16/11/2017:

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

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

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

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

Digthan, Tehsil, Dhar, District Dhar (MP) with following conditions as recommended by the committee:

**(A) PRE-CONSTRUCTION PHASE**

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. The entire area should be covered with 03 meters MS sheets and due care should be taken for noise and vibration control during construction work.
4. PP will obtain other necessary clearances/NOC from respective authorities.
5. 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.
6. 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**

7. PPE's such as helmet, ear muffs etc should be provide to the workers.
8. Fire extinguishers should be provided on site during construction period.
9. Black carpet/CC road should be provided to reduce dust suppression.
10. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
11. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
12. 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 79,997.85 sq meter area will be developed as green belt and 12,800 saplings will be planted in coming 05 years. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
13. Solar Powered LED should be used in the street lights and parking areas. PP should explore the possibility of providing solar lights for office building also.
14. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.



15. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

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

7. Total water requirement for the project shall not exceed 1008 KLD.
8. The waste water should be treated in ETP of 65 KLD and domestic effluent should be treated in FAB based STP of 40 KLD and treated waste water should be used in green belt and toilet flushing through dual plumbing system.
9. The PP will establish the adequate effluent treatment technology with RO, MEE and spray dryer to achieve the M.P. Pollution Control Board's zero discharge norms. As proposed, no effluent from the industry shall be discharged outside the premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
10. To control the particulate emission from the HTM heater, ESP meeting 50 mg/Nm<sup>3</sup> or norms prescribed by the M.P. Pollution Control Board shall be installed.
11. Adequate dust extraction system (minimum 02 Nos.) should be provided on pet coke handling plant, crusher, bunkers, loading area etc to control fugitive emissions.
12. Fly ash generated shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
13. Hazardous wastes should be disposed off as per the authorization issued by MP Pollution Control Board.
14. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
15. Automatic smoke, heat detection system should be provided in the sheds and chemical storage areas vulnerable to fire. Similarly adequate fire fighting systems should be provided for the storage area.
16. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet or HDPE liners depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
17. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.

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

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

30. A budgetary provision for Environmental Management Plan (including environmental monitoring programme) of Rs. 11.94 crores (capital) is made with a recurring expenditure of 1.541 crore. 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.

31. Under CSR activity, Rs. 23 lacks are proposed for one year the above budget will be enhanced further as per CLB and need based compliance will be followed.
32. 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.
33. 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.
34. Regular monitoring of Air, Noise, Waste Water, Solid Waste/Hazardous Waste, Ground Water and Soil etc. shall be carried out as per the norms prescribed by the M. P. Pollution Control Board.
35. The environmental policy with Environmental Management Cell should be prepared with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
36. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
37. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
38. In case of power failure, stand by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the facility shall be installed so that the facility shall always be operated round the clock even in case of power failure.
39. For avoiding vehicle congestion /traffic jam within facility premises or outside road proper turning and parking space be provided. Also all internal roads shall be made pucca/bituminous top to avoid fugitive emissions.
40. Atleast two on-line continuous ambient air quality monitoring stations on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations and data should also be displayed on the main entry gate of the facility. The ambient air quality shall also be monitored in and around the facility area and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB.
41. The overall noise level in and around the facility area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

42. Pucca flooring / impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
43. Good housekeeping shall be maintained within the facility premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
44. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.
45. 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.
46. 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.

**3 Case No. - 5594/2017 M/s Nirmala Minerals, Pathak Ward, District - Katni, MP - 483501(SIA/MP/MIN/19497/2017) Prior Environment Clearance for Iron Ore Deposit in an area of 8.59 Ha.. (2,00,000 TPA) (Khasra no. 407/1 (old), 668/1 part (New)) at Village-Ghugharikala, Tehsil - Sihora, Dist. Jabalpur (MP) (TOR)**

This is case of Iron Ore Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 407/1 (old), 668/1 part (New)) at Village-Ghugharikala, Tehsil - Sihora, Dist. Jabalpur (MP) 8.59Ha. The project requires prior EC before commencement of any activity at site. PP has submitted ToR application forwarded by the SEIAA vide letter no. 1124 dated 10/11/2017.

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

1	Name of the project & its location	Ghugharikala Iron Ore Deposit Village- Ghugharikala, Tehsil-Sihora, District-Jabalpur, State-Madhya Pradesh
2	Name of the Company, Address Tele No.	<b>M/s Nirmala Minerals</b> Pathak Ward, Distt.- Katni (M.P.) Pin Code - 483501

	& E-mail :	Phone No. - 07622 - 403495 e-mail – amckatni@rediffmail.com	
3	Latitude and Longitude of the project	<b>Latitude</b>	23°22'31.9"to 23°22'40.1" N (West Block)
			23°22'33.9"to 23°22'43.5" N (East Block)
		<b>Longitude</b>	80°10'11.5" to 80°10'23.3" E N (West Block)
			80°10'24.2" to 80°10'34.1" E N (East Block)
4	If a Joint venture, the names & addresses of the JV partners including their share	Not applicable	
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	Nature of proposal	New
		Total area-land use	8.59 Ha Waste Land
		Project components	The lease area is hilly having gentle slope towards north and SE direction. The highest elevation of the west block (Block-B) is 432m AMSL in NW and the lowest elevation is 408 m AMSL in SE. In the eastern block (Block-A), the highest elevation is 430m AMSL in mid of the area while the lowest elevation is 412m AMSL in south.
		Connectivity	The lease area is approachable from district headquarter Katni and Jabalpur on NH-7 via Sihora. Sihora is 38kms from Jabalpur and about 53kms from Katni. Sihora road, railway station situated on Jabalpur-Itarsi section of Central Railway is 2km from Sihora. The lease area is 12 km south-east of Sihora road railway station and 14 km SE of Sihora.
6	Whether the project is in the Critically Polluted Area (CPA):	No	
7	Cost of the project :	Rs 2.2 Crore	
8	Employment generated/to be	57	

	generated	
9	Benefits of the project	The Iron ore of the lease area is suitable for sponge iron, cement & pellatisation plant. The Iron ore is proposed for sale to steel plants in country, cement plants in Madhya Pradesh & pellatisation units in M.P. and Chhattisgarh. It will not only provide employment to local populace but also benefit to the State in the form of Royalty and fund in district mineral foundation for use in CSR activity and development of the project located district. Also, the mine management will conduct medical camps at regular interval in the nearby villages and will help the nearby villages in providing infrastructure like school furniture, water tankers, etc.
10	Whether new or expansion project .If expansion: i from ..... MT to ..... MT ii What is the % of expansion	It is new mining lease area.
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006	Not applicable, It is new mining lease area.
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	Not applicable
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	Not applicable
14	No. and Date of the EC and the	Not applicable

	revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)	Not applicable
16	Type of Mine: (Open cast/Underground /mixed)	Open Cast
17	Capacity of the mine applied for	2,00,000 TPA
18	ML Area i. As per block allotment ii. As per approved mine plan	8.59 Ha 8.59 Ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan was approved vide letter MP/Jabalpur/Iron Ore/MPLN/G-07/16-17/3014, Jabalpur dated 26.12.2016
20	Date of Board's approval	Not applicable
21	Date of Ground water clearance	Not applicable
22	Date of mine closure approval	Mining plan was approved vide letter MP/Jabalpur/Iron Ore/MPLN/G-07/16-17/3014, Jabalpur dated 26.12.2016
23	Any river/Nallha flowing near or adjacent to the	<b>Water Bodies</b> <ul style="list-style-type: none"> <li>• Canal – 150 m in South</li> <li>• Water Tank – 2 km m in West</li> </ul>

	proposed mine. If yes, please give details	<ul style="list-style-type: none"> <li>• Hiran River -9.9 km in NW</li> <li>• Barne Nala – 4 km in West</li> <li>• Bhagela Nala- 5.5 km in NW</li> <li>• Morai Reservoir-4.8 kmin SW</li> <li>• Barne Reservoir – 6.4 Km in SW</li> </ul>
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The case was presented by the PP and their consultant for the TOR. Being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Cumulative impact should be studied as proposed site is surrounded by other mines and sampling locations should be provided in the neighboring villages such as Ghughrikala, Dubyara and Agariya etc.
2. A canal is passing near the lease area thus its safety aspects should be addressed in the EIA report. Further no mine discharge should find its way in this canal.
3. Copy of order issued by the Upper Collector vide letter no. 56 dated 30/09/2015 and 57 dated 30/09/2017 as referred by the conservator forest in the letter no. 1917 dated 13/06/2017 should be submitted with the EIA report.
4. Environmental Cost Benefit analysis should be carried out and submitted with the EIA report.
5. Environmental Policy of the company issued by the director with environmental management cell should be submitted with the EIA report.
6. Issue like storm water management plan, mine water discharge, safety barrier zone with the neighboring mines etc. should be properly addressed in the EIA.
7. Details of afforestation done till date with name and number of species and proposed plantation scheme should be provided in EIA with supporting photographs.
8. Proposed workers facilitates and workers welfare scheme should be discussed in the EIA report with financial allocations.
9. Inventory of operating / proposed mines within 2 Km around the said mine.
10. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
11. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
12. Any alternate route avoiding the nearby habitations.
13. Land use plan should be plotted on the map.
14. 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.



15. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
16. 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.
17. 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.
18. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

**4 Case No. - 5493/2017 M/s Bhopal Incinerators Ltd, 6/5, Sector-H, Industrial Area, Govindpura, Bhopal, (M.P.) (SIA/MP/MIS/16753/2016) Prior Environment Clearance for Bhopal Incinerators Ltd. at 6/5, Sector-H, Industrial Area, Govindpura, Bhopal, (M.P.) Capacity – 1200 KG/day ha. Cat. 7 (da) Cat. 7 (da) Common Hazardous Waste Treatment Storage and disposal facilities (TSDFs) (TOR)**

This is case of Bhopal Incinerators Ltd. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at 6/5, Sector-H, Industrial Area, Govindpura, Bhopal, (M.P.) Capacity – 1200 KG/day ha. Cat. 7 (da) Cat. 7 (da) Common Hazardous Waste Treatment Storage and disposal facilities (TSDFs). The project requires prior EC before commencement of any activity at site.

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

Project	Common Bio Medical Waste Treatment Facility of M/S Bhopal Incinerators Limited (BIL)
Project Proponent	Dr. Anoop Hajela
Designation	Managing Director
Registered Address	6/5, Sector - H, Govindpura, Industrial Area, Bhopal (M.P.)
Pin code	462023
Email	bpl_incinerators@yahoo.com
Total Land area	1394.05 Sq.mt.
Components	
Incinerator	<ul style="list-style-type: none"> <li>• 2 machines with capacities of 100 kg.hr and 50 kg/hr</li> <li>• The other one acts as a backup during maintenance schedule</li> </ul>
Autoclave	<ul style="list-style-type: none"> <li>• 2 autoclaves of capacity 430 litres each</li> </ul>

Shredder	• 3 shredders of capacities 100 kg/hour, 50 kg/hour and 20 kg/hour		
Coordinates	Latitude		Longitude
	23.26 N,		77.45 E
Water consumption			
Domestic Uses	2.10 KLD		
Industrial Uses	32.10 KLD		
Waste Water Generation			
Sewage	2.0 KLD		
For treatment	25.45 KLD		
Nearest Railway Station	Bhopal, 6.0 Km – NW direction		
Nearest Airport	Bhopal, 17.0 Km – NW direction		
ETP			

Earlier case was discussed in 286<sup>th</sup> SEAC Meeting dated 28<sup>th</sup> January 2016 wherein it is recorded that:

*“The case was scheduled for presentation today as per the order passed by the Hon’ble NGT, (CZ Bench) Bhopal on dated 05/01/2017 and issuance of TOR to carryout EIA study as per the provisions of EIA Notification, 2006. On perusal of the case file, committee observed that Hon’ble NGT, (CZ Bench) Bhopal on dated 05/01/2017 has passed an order stating:*

*“that the SEAC consider the issuance of terms of reference and take decision in the matter within 30 days from today. It would be responsibility of the respondent no.1 to convey our above order to SEAC for necessary action in that behalf”.*

*It was also observed by the committee that that PP has applied for EC in compliance of order passed by Hon’ble NGT, (CZ Bench) Bhopal on dated 06/05/2016 stating:*

*“the respondent no.1 has so far not applied for the grant of EC, they will submit the application forthwith and on submission of such an application the, MPPCB/MPSEIAA will depute a team to carry out the inspection of the premises for either grant or refusal of the EC and to consider the same and decide the said application in accordance with law, in case, any short coming are noticed during such inspections they should be pointed and the respondents would rectify the same within one month”.*

*The application filed by PP was forwarded by SEIAA vide their letter no. 4950/SEIAA/2017 dated 06/01/2017. For compliance of Hon’ble NGT, (CZ Bench) Bhopal directions dated 05/01/2017, the case was placed in the subsequent 286<sup>th</sup> meeting of the SEAC scheduled on dated 28/01/2017 wherein PP remained absent.*

*However, during scrutiny of the documents submitted by the PP along with form-1, it was observed by the committee that:*

- 1. It's an existing facility since 2002 while in the form-1 submitted by PP; application is made as "New" Project which is contradictory.*
- 2. In form-1, section III "Environmental Sensitivity" no details are provided by the PP and against each column "NO" is mentioned while as per the "Location map" submitted by PP, site appears to be within 10 kms radius of "Van Vihar national Park", notified PA as Eco-sensitive Zone.*
- 3. PP has also not submitted the DFO certificate regarding distance from protected area/ ECO sensitive zone. If site falls within protected area/ ECO sensitive zone, PP has to apply online for NBWL clearance and a copy of the online application may be submitted to SEIAA/SEAC.*
- 4. Copies of valid Consent and Authorizations are not attached with the application from.*

*Considering above issues, committee after deliberations decided that since 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 today, PP may be called in subsequent meeting of SEAC with clarifications/documentary evidences on above issues".*

The case was presented by the PP and their consultant in 287<sup>th</sup> SEAC meeting dated 25/02/2017 wherein PP submitted that this is an existing Common Biomedical Waste Treatment Facility which is in operation since 2002 as a public limited company by a group of 93 practicing doctors to comply with the Biomedical Rules. The total sanctioned capacity of handling and incinerating biomedical waste is 1200 kg/day. PP further submitted that they are neither proposing any change in the plant and machinery nor expanding the capacity of existing plant. PP informed that they have valid authorization under Biomedical Rules (valid up to 08/12/2018) and consent under Water Act, 1974 and Air Act, 1981 from the M. P. Pollution Control Board (valid up to 14/01/2017). PP also submitted that as their facility is established in 2002 they are not covered under the pervue of EIA notification, 2006.

However, Hon'ble NGT, (CZ Bench) Bhopal on dated 06/05/2016 passed an order stating that:

*"the respondent no.1 has so far not applied for the grant of EC, they will submit the application forthwith and on submission of such an application the, MPPCB/MPSEIAA will depute a team to carry out the inspection of the premises for either grant or refusal of the*

*EC and to consider the same and decide the said application in accordance with law, in case, any short coming are noticed during such inspections they should be pointed and the respondents would rectify the same within one month”.*

Thus committee observed that;

(i) Initially in the EIA Notification, 1994 and EIA Notification, 2006 Bio-medical facilities were not covered. Later on GoI, Ministry of Environment and Forest vide S.O. 1142 (E) dated 17/04/2015 has made it mandatory for all the Bio-medical Waste Treatment Facilities under category no.7 (da) to obtain prior “Environmental Clearance” (EC) and thus none of such facilities which were established prior to April, 2015 have obtained EC including M/s Bhopal Incinerators Ltd, 6/5, Sector-H, Industrial Area, Govindpura, Bhopal.

(ii) So far SEAC have no information from MPPCB/MPSEIAA about the inspection carried out by them as per the Hon’ble NGT, (CZ Bench) Bhopal on dated 06/05/2016.

Thus committee after deliberations decided that MPPCB/MPSEIAA may be asked to provide the copy of inspection reports carryout by them in accordance with the order of Hon’ble NGT, (CZ Bench) Bhopal on dated 06/05/2016 so that if there are any issues w.r.t. environmental sensitivity which are observed/reported by the inspecting team, should be placed before the committee for consideration and taking suitable decision in this case in accordance with the existing laws. The above minutes were conveyed to SEIAA for providing inspection report vide letter no. 186 dated 28/03/2017 and to Regional Officer, MP Pollution Control Board vide letter no. 198 dated 28/03 2017 and reminded vide letter no. 362 dated 01/06/2017. Regional Officer, M.P. Pollution Control Board, Bhopal vide letter No. 3562 dated 16/06/2017 has submitted the copies of various inspection reports carriedout by them in compliance of Hon’ble NGT, (CZ Bench) Bhopal on dated 06/05/2016 and thus the case was placed in agenda.

Regional Officer, Bhopal was instructed to brief the committee about their observations made during the various inspections of this facility. Regional Officer, Bhopal during discussion submitted that along with other inspections carriedout by them, an inspection on dated 16/11/2017 was also carriedout to assess the current situation of M/s Bhopal Incinerators Limited, Bhopal and submitted the report issued vide letter no. 6813 dated 17/11/2017. Following submissions were made by the Regional Officer, Bhopal before the committee:

- The facility is dealing with collection, storage, treatment and disposal of all types BMW. As per the authorization granted to the facility the capacity is 10000 beds and total waste disposal to the tune of about 1200 Kg / day.
- **Collection-** There are 10 vehicles for collection of segregated BMW directly from the generators (Health Care Facilities). The vehicles appear to be sufficient to collect BMW from about 380 HCF every day.

- **Storage** - Dedicated spaces have been provided for storage of treated and un-treated BMW. The storage area is completely covered and secured. A separate storage area has been provided for incinerator ash, here ash is stored in HDPE bags and the same is being disposed off at CTSDf, Pithampur, Dhar.
- **Treatment-** **a) Incinerator-** with capacity of 100 Kg / Hour has been installed for regular disposal and another incinerator of 50 Kg/Hr is placed as standby arrangement for emergency. **b) Autoclave / Shredder** - 02 autoclaves (450 lts each) and 03 Shredders (25 Kg, 50kg & 100 Kg per hour) have been installed and found functioning during visit.
- **Liquid waste-** from all sources including waste from ventury-scrubbers, washing, cleaning, house-keeping and sludge drying beds is being collected in a settling tank. After disinfection the entire liquid waste is being transferred to CETP located opposite to the facility through a dedicated pipeline.
- **Other** - Loading vehicles were being washed on dedicated plat-forms in the premises, the collection containers were also being washed in this area. The staffs engaged in the BMW management have been provided protective masks and hand-gloves.
- Unit has placed about 08 CC- cameras in the premises only for the surveillance.

Regional Officer, Bhopal during discussion submitted to the committee that the facility operator of M/s Bhopal Incinerators Limited, Bhopal should make provisions for alternate power supply for incinerator so that in case of electricity failure incinerator should function smoothly. Regional Officer, Bhopal also submitted that following improvements should be undertaken by the facility operator of M/s Bhopal Incinerators Limited, Bhopal based on the various inspections carriedout by them:

1. The secondary chamber gas residence time shall be at least two seconds as per the revised BMW Rules 2016, the same has to be ensured and reported with supporting data in the EIA report.
2. At any point of time the combustion efficiency (CE) should be 99.0% or more, latest monitoring results from NABL approved laboratory to be furnished with EIA.
3. All equipments and the stand-by equipments including incinerator, shredder and autoclave should be as per the specifications laid in the revised BMW rules 2016, accordingly proposal / implementation report with supporting data to be furnished.
4. The incineration ash has to be stored and disposed as per the norms prescribed in the prevailing Hazardous Waste (Management, Handling and Trans-boundary movement) Rules.

5. The incinerator stack should be provided with scrubber as well as bag-filters so as to maintain the prescribed emission limits.

After discussion with the Regional Officer, Bhopal PP M/s Bhopal Incinerator Limited, Bhopal was invited for TOR presentation wherein following submissions were made by the PP and have also submitted the same vide letter no. BIL/322/2017 dated 17/11/2017:

*“This is with reference to today’s meeting in which we presented in front of the committee why according to us we don’t come under the purview of Environment Clearance. We would like to submit the same. Below are some points on which we state our observation and judgment:*

1. *Bhopal Incinerators Limited was an activity started by Bhopal Nursing Home Association under the guidance of MPPCB to promote awareness and spread knowledge about the hazards of bio medical waste to the common people and help the proper disposal of such waste in 2002, while EIA Notification came on 14/9/2006*
2. *In EIA 2006 notification itself, denotes prior clearance is required for the units to be established unless an existing unit is doing expansion, modernization or change of product mix.*
3. *In EIA Notification 1994 and then in 2006, bio medical facilities were not covered. Later on GOI , MoEF vide S.O. 1142 (E) dated 17/04/2015 has made it mandatory for all the Bio Medical Waste Treatment Facilities under category 7(da) to obtain “Prior Environmental Clearance” (EC)*
4. *Draft for revised guidelines published in July 2016 had a proposal for EC, if existing units were for more than 8 years, but this was withdrawn in revised guidelines for CBWTF published on 21<sup>st</sup> December 2016 and also in the introduction, it says these guidelines are mandatory henceforth, under the Bio Medical Waste Rules 2016*
5. *Clause 5.3 of revised guidelines for CBWTF and disposal facilities published on 21<sup>st</sup> December 2016, states that before any construction work or preparation of land by the project management which includes the following:*
  - a. *All new projects or activities pertaining to the Bio Medical Waste Treatment Facility.*

- b. *Expansion and modernization with additional treatment capacity of existing bio medical waste treatment facility (excluding augmentation of incineration facility for compliance to the residence time as well as dioxins and furans without enhancing the existing treatment facility)*
- c. *Any expansion or modification in the treatment capacity or relocation of the existing CBWTF (requires compliance to the relevant provisions notified under the Environment (Protection) Act, 1986 by the Moef & CC*

*Since, Bhopal Incinerators Limited is not going for any expansion, modernization or change of product mix, we don't require Environment Clearance”.*

With above submission PP refuse to present the case for issuance of TOR before the committee.

Subsequent to discussion with the Regional Officer, Bhopal and PP, committee after deliberations recommend to SEIAA that in accordance with the verdict of the Hon'ble NGT, Principal Bench, New Delhi decided on dated 28/11/2013 in case of *Haat Supreme Wastech Pvt. Ltd. V/s State of Haryana in appeal no. 63/2012* and direction of Hon'ble NGT, Central Zonal Bench, Bhopal dated 06/05/2016 and 05/01/2017 in case of *Balwant Singh Raghuvanshi V/s M/s Bhopal Incinerators Ltd. & Ors in OA No. 05/2016 (CZ)*, Standard TOR as prescribed by the MoEF&CC may be issued to the PP and issues raised by the Regional Officer, Bhopal for improvement in facility may be incorporated in the EIA studies as additional TOR points.

**5 Case No. - 5585/2017 M/s Hindustan Petroleum Corporation Limited, HPCL Jabalpur LPG BP, Plot 1&2, Phase II, Industrial Growth Center at Maneri, Jabalpur (SIA/MP/IND2/18580/2017) Prior Environment Clearance for Storage Capacity Expansion of LPG Bottling Plant at Maneri Industrial Area, Jabalpur (TOR)**

The project proposal is to set up LPG Bottling Plant by M/s Hindustan Petroleum Corporation Limited, HPCL Jabalpur LPG BP, Plot 1&2, Phase II, Industrial Growth Center at Maneri, Jabalpur (SIA/MP/IND2/18580/2017) for Prior Environment Clearance for Storage Capacity Expansion of LPG Bottling Plant at Maneri Industrial Area, Jabalpur (Cat. – 6 (b) Project).

The case was presented by the PP and their consultant for obtaining TOR wherein following details of the project were submitted by them:

1. Name of the project & its location:  
Storage capacity expansion of HPCL LPG Bottling plant. The Project site is located at Industrial Growth Center at Maneri, Jabalpur (MP)-481886.

2. Name of the Company, Address Tele No. & E-mail:  
Hindustan Petroleum Corporation Ltd, LPG Bottling Plant, Village: Maneri, Tehsil : Niwas. Distt.: Mandla – 481886, State: Madhya Pradesh. Tel.: 9530903046, 8461022888.  
  
E-mail: lokendergarbyal@hpcl.in
3. Latitude and Longitude of the project.  
The exact cartographic co-ordinates of Mandla (Plant Location coordinates) are 23<sup>o</sup>6'6.12" N 80<sup>o</sup>11'54.00"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.  
Nature of proposal:- Expansion  
  
The existing LPG Bottling Plant at Maneri has enough space within its plant boundary to accommodate the expansion. Thus no change in Land use is envisaged. Activity in preoccupied area only is having expansion provision. The present setup has a bottling facility spread over area of 38 acres. The nearest villages are Medhi and khairani situated approximately 0.750 KM and 1.60 KM at south and north respectively. Some industry is at surrounding south and east side of the plant The distance between project site & Jabalpur city is 37 KM. The nearest domestic airport is at Jabalpur.
6. Cost of the project. : Cost for the proposed expansion project is estimated to be approx. Rs. 21 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
8. If the project involves diversion of forest land : No



- (i) Extend of the forest land : NA
- (ii) Status of forest clearance.: For NOC application submitted to DFO.

**9.** 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, however Reserved forest is (Dense Mix Jungle- 7.55 Km at ES, Parariya- 7.8 km at ES, Bhaundi-6.7Km at S, Bamhni Purva- 8.33 Km at SW, Dense Mix Jungle-5.31Km at N)
- (ii) Status of clearance from National Board for wild life.: NA

**10.** Waste Management

- (i) Water requirement, source, status of clearance: 40KLD, water Sources from AKVN
- (ii) Waste water quantity, treatment capacity, detail: 2 Nos. of ETP is In place for waste water treatment.
- (iii) Recycling / reuse of treated water and disposal: On Green Belt
- (iv) Solid Waste Management: Solis waste disposed through CPCB approved vendor.
- (v) Hazardous Waste Management: Spent oil and paint sludge disposed through CPCB approved vendor.

**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: Details Will be Provided in EIA Report.
- (v) Green belt development (20 % of construction projects and 33 % for others): Details Will be Provided in EIA Report.
- (vi) Parking requirement with provision made: Is in placed in Plant Area.

**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- Rs. Approx.- 21 crores
- (ii) Employment potential- The proposed expansion project will provide indirect employment to about 20-25 persons during the construction phase and also in transportation during construction phase.
- (iii) Benefits of the project-The expansion project being proposed is important in view of the consistent increase of demand of LPG 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. It helps to reduces the three cutting and decrees co2 emission its helps to improve the environment.

16. Date of Ground water clearance: Not required, water Sources from AKVN

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/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.: Water body is situated at a distance of 300 meter in east of the project site.: Jhamli river is located in east of the project site at a distance of 1.4 km.

The case was presented by the PP and their consultant wherein PP informed that project involves storage capacity expansion of LPG Bottling Plant and is located in the Industrial Growth Centre, Maneri, Distt: Mandla while it was observed by the committee that in Form-1 submitted by the company the location of the project is shown as Jabalpur. PP submitted that it's a typographical error and project is actually located in Maneri, District Mandla not in Jabalpur. Committee after deliberations decided that PP may submit revised Form-1 through SEIAA for further consideration of the project. However, on constant request of PP for urgency of the project and public demand, committee recommends that PP can take-up the EIA studies as per the Standard TOR developed by the Minister of Environment, Forest &

Climate Change, New Delhi. The SEAC will have the right and the responsibility of stipulating additional TOR in specific Projects considering its project features and nature of expansion after receiving the revised Form-1.

**6 Case No. - 5586/2017 M/s Indial Oil Corporation Ltd (MD), Storage Expansion at Bangrod, Ratlam, MP – 457111 (SIA/MP/IND2/19961/2017) Prior Environment Clearance for Storage Capacity Expansion at Ratlam POL Terminal, Bangrod, Ratlam, MP - 457111**

The project proposal is to set up M/s Indial Oil Corporation Ltd (MD), Storage Expansion at Bangrod, Ratlam, MP – 457111 (SIA/MP/IND2/19961/2017) Prior Environment Clearance for Storage Capacity Expansion at Ratlam POL Terminal, Bangrod, Ratlam, MP - 457111 (Cat. – 6 (b) Project).

The case was presented by the PP and their consultant for obtaining TOR 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>0</sup>24'11.48"N and Longitude 75<sup>0</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 having 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 repored 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 wrt 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.
- 7 **Case No. - 5591/2017 M/s Dhruv Construction, Plot No. A, 21, Swastik Green City, District - Shahdol, MP – 484001 (SIA/MP/MIN/70635/2017) Prior Environment Clearance for Stone Mine in an area of 6.0 Ha.. (1,15,000 cum per annum) (Khasra no. 18/1 (P)) at Village- Dholar, Tehsil - Jaisinghnagar, Dist. Shahdol (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 18/1 (P) at Village- Dholar, Tehsil - Jaisinghnagar, Dist. Shahdol (MP) 6.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.- 933, dated: 06/04/17, has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 07.943 ha including this mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it

the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**8 Case No. - 5592/2017 Shri Satish Singh Thakur, Vill. Ambada, Tehsil - Pandurna, Dist. Chhindwara, MP – 480334 (SIA/MP/MIN/65956/2017) Prior Environment Clearance for Sand Mine on Kanhan River in an area of 8.0 Ha.. (75,000 cum per annum) (Khasra no. 01) at Village- Partapur, Tehsil - Sausar, Dist. Chhindwara (MP)**

This is case of Sand Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 01) at Village- Partapur, Tehsil - Sausar, Dist. Chhindwara (MP) 8.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Collector & Mining Officer through Ekal Pramanpatra issued vides letter no. 316 dated: 27/2/16 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

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

<b>EXECUTIVE SUMMARY FOR CASE NO. - 5592/2017</b>		
1.	Name of the project & its location:	<b>Partapur Sand Quarry (at Kanha River)</b>
		<b>Khasra No. - 01</b>
		<b>Tehsil - Sausar</b>
2.	Name of the Company, Address Tele No. & E-mail:	<b>Project Proponent:- Shri Satish Singh Thakur</b>
		<b>Address:- Resi.- Vill- Ambada, Tehsil- Pandurna, District- Chhindwara (MP)</b>
		<b>Tele No.:- 9425818584</b>
		<b>E-mail:- <a href="mailto:satish27singhthakur@gmail.com">satish27singhthakur@gmail.com</a></b>
3.	Latitude and Longitude of the project:	(A) 21°37'44.09"N 78°50'45.41"E
		(B) 21°37'45.05"N 78°50'46.34"E
		(C) 21°38'4.96"N 78°50'35.38"E
		(D) 21°38'6.75"N 78°50'32.64"E
		(E) 21°38'13.28"N 78°50'37.63"E
		(F) 21°38'11.46"N 78°50'39.83"E
		(G) 21°38'20.45"N 78°50'50.51"E
		(H) 21°38'22.03"N 78°50'49.88"E
4.	If a Joint venture, the	NA



	names & addresses of the JV partners including their share:	
5.	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.:	The Sand quarry has been auctioned and sanctioned through The Collector Chhindwara vide latter/687/khanij Sakha/E-Auction/2017 dated 10/04/2017. It is a new Project on Govt. Land for the excavation of <b>75,000 cu.mt.</b> River sand per year for the lease period of 5 years, with total lease area of <b>8.00 hect.</b> The village Partapur nearest population centre is within 0.60 km from mining area, it is connected by roads. The District HQ Chhindwara is 50 km connected by road.
6.	Whether the project is in the Critically Polluted Area (CPA):	No
7.	Cost of the project :	170 Lacs/-
8.	Employment generated/to be generated:	60-70
9.	Benefits of the project:	The basic objective of the project is to effective utilization of Mineral in the country and/or region. In last few years the development, industrialization and infrastructure projects-like highways buildings and township has enhanced the demand of river sand and building material. This project gives not only building material but also employment, economic growth of the state and socioeconomic status of the people of the region/ area.
10.	Whether new or expansion project. If expansion: (i) from ..... MT to..... MT (ii) What is the % of expansion:	New Project
11.	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006:	NA
12.	If expansion, please indicate the number and date of the certified	NA

	Compliance Report of Regional Office of the MoEF:	
13.	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority:	NA
14.	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent):	NA
15.	If the project was considered in EAC, Pl. gives dates of the meeting (s):	NA
16.	Type of Mine: (Open cast/Underground/mixed):	Open Cast
17.	Capacity of the mine applied for:	75,000 cu.mt/Year
18.	ML Area: i. As per block allotment: ii. As per approved mine plan:	This is a Quarry Lease. Total Sanctioned Lease Area:- 8.00 hect.
19.	Date of approval of mine plan, mine closure plan, status & date:	The mining plan has been approved by Regional office of Geology & Mining Jabalpur, Madhya Pradesh vide letter no. 2326 on dtd 04/07/2017
20.	Date of Board's approval:	NA
21.	Date of Ground water clearance:	Only surface water will be used for mining purpose therefore no need of ground water clearance.
22.	Date of mine closure approval	The mining plan has been approved by Regional office of Geology & Mining Jabalpur, Madhya Pradesh vide letter no. 2326 on dtd. 04/07/2017

<p>23. Cost of proposed EMP and CSR with detailed components &amp; proposed activities:</p>		<p><b>PROPOSED ANNUAL EMP COST</b></p> <table border="1"> <thead> <tr> <th colspan="2"><b>Pollution Control (Water sprinkling, protection of bank erosion, land degradation etc.)</b></th> <th></th> </tr> </thead> <tbody> <tr> <td>1) Water @50 rs/ Tanker &amp; @4TRIP/ Day (Capacity 3000 litre).</td> <td></td> <td>Rs. 50,000</td> </tr> <tr> <td>2) Diesel @8 kmpl (for 500 meters)</td> <td></td> <td>Rs. 7,000</td> </tr> <tr> <td>3) Driver</td> <td></td> <td>Rs. 42,000</td> </tr> <tr> <td>4) Road Maintenance (Max. Road length 2500 mtr.)</td> <td></td> <td>Rs. 1,50,000</td> </tr> <tr> <td>5) Monitoring (AAQM &amp; Water twice a year</td> <td></td> <td>Rs. 40,000</td> </tr> <tr> <td>6) Afforestation / plantation @(50% on river bank and 20 % along approach road and 30% in village area , 600 plants/year will be planted.)</td> <td></td> <td>Rs. 3,00,000</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Total</b></td> <td><b>Rs. 5,89,000 /-</b></td> </tr> </tbody> </table>	<b>Pollution Control (Water sprinkling, protection of bank erosion, land degradation etc.)</b>			1) Water @50 rs/ Tanker & @4TRIP/ Day (Capacity 3000 litre).		Rs. 50,000	2) Diesel @8 kmpl (for 500 meters)		Rs. 7,000	3) Driver		Rs. 42,000	4) Road Maintenance (Max. Road length 2500 mtr.)		Rs. 1,50,000	5) Monitoring (AAQM & Water twice a year		Rs. 40,000	6) Afforestation / plantation @(50% on river bank and 20 % along approach road and 30% in village area , 600 plants/year will be planted.)		Rs. 3,00,000	<b>Total</b>		<b>Rs. 5,89,000 /-</b>
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2	Contribution for Sports activity & Extracurricular Activities in school & villages area	50,000																								
3	Contribution for digital India (2 Computer will be set up in Gram Panchayat Office)	60,000																								
4	Contribution for Infrastructure development- Community centres, Roads and water storage tank	80,000																								
5	Contribution for Aaganwadi Kendra	30,000																								
6	Contribution for Swachehh Bharat Abhiyan	30,000																								
<b>TOTAL</b>		<b>3,00,000/-</b>																								
<p>24. Numbers of plantation proposed &amp; area allocated for plantation with budgetary</p>		<p>Plantation is proposed at the river banks in Zig. Zag pattern to prevent the river bank erosion and it is also recommended to lessee for plantation both side of the approach road and village area</p>																								

	provisions:	<b>Sr No</b>	<b>Common Name</b>	<b>No of Plants per year</b>	<b>% Survival</b>	<b>Area for Plantation</b>
		1.	Neem	150	80 %	50% on river bank and 20 % along approach road and 30 % In village area.
		2.	Sheesham	50		
		3.	Jamun	50		
		4.	Karanj	100		
		5.	Amla	100		
		6.	Mango	150		
			<b>Total</b>	<b>600</b>		
25.	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details:	NO.				

During presentation it was observed that a road bridge is in existence between the lease and as per the mine plan 100 meters area is left on the both side of the road bridge as non mining area. It is also mentioned in the mine plan that this distance should be 200 meters from the both side of the bridge. As per Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC “Mining shall not be undertaken in a mining lease located in 200-500 meter of bridge, 200 meter upstream and downstream of water supply / irrigation scheme, 100 meters from the edge of National Highway and railway line, 50 meters from a reservoir, canal or building, 25 meter from the edge of State Highway and 10 meters from the edge of other roads except on special exemption by the Sub-Divisional level Joint Inspection Committee”. Thus after presentation, PP was asked to submit revised operational production plan considering the non mining area minimum 200 meters from the both sides of the bridge with revised area available for mining. PP was also asked to submit revised EMP cost with bifurcation in capital cost & recurring cost and structure of environmental management cell.

PP has submitted the reply of above query vide letter dated 17/11/2017 which was placed before the committee. Committee observed that area blocked due to leaving 200 meters from the both sides of bridge now will be 16,000 sq. meter as per the revised operational production plan. As per the approved mine plan the available mining area was 51,600 SQM. Thus deducting 16,000 SQM areas from the available area, the remaining minable area will be 35,600 SQM. Considering the depth of 1.50 meters as per the approved mine plan, the extraxtable sand from this lease will be only 53,400 Cum/year. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ‘B’:

- Production of Sand as per mine plan with quantity not exceeding 53,400 cum/year.
  - District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
  - Evacuation of sand should not be allowed through the roads passing through the villages.
  - Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
  - If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
  - The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
  - The lease area should be clearly distinguished and earmarked at the site.
  - No diversion of active channel should be allowed for mining.
  - A budgetary provision for Environmental management Plan of Rs. 4.85 lacks (capital) is made with a recurring expenditure of 2.39 Lacks. 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. Under CSR Rs. 03.00 lacks/year is proposed for various activities. 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.
  - All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
- 9 **Case No. - 5593/2017 Shri Devesh Deshmukh, 392, Siratha, Tehsil - Pandurna, District - Chhindwara, MP – 480334 (SIA/MP/MIN/65955/2017) Prior Environment Clearance for Sand Mine on Kanhan River in an area of 9.757 Ha.. (50,000 cum per annum) (Khasra no. 43) at Village- Baradevi Khapa, Tehsil - Sausar, Dist. Chhindwara (MP)**

This is case of Sand Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 43) at Village- Baradevi Khapa, Tehsil - Sausar, Dist. Chhindwara (MP) 9.757 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 Collector and Mining Officer



9.	Benefits of the project:	The basic objective of the project is to effective utilization of Mineral in the country and/or region. In last few years the development, industrialization and infrastructure projects-like highways buildings and township has enhanced the demand of river sand and building material. This project gives not only building material but also employment, economic growth of the state and socioeconomic status of the people of the region area.
10.	Whether new or expansion project. If expansion: (i) from ..... MT to..... MT (ii) What is the % of expansion:	New Project
11.	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006:	NA
12.	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF:	NA
13.	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority:	NA
14.	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent):	NA
15.	If the project was considered in EAC, Pl. gives dates of the meeting (s):	NA
16.	Type of Mine: (Open cast/Underground/mixed):	Open Cast
17.	Capacity of the mine applied for:	50,000 cu.mt/Year
18.	ML Area: i. As per block allotment:	This is a Quarry Lease. Total Sanctioned Lease Area:- 9.757 hect.

	ii. As per approved mine plan:																			
19.	Date of approval of mine plan, mine closure plan, status & date:	The mining plan has been approved by Regional office of Geology & Mining Jabalpur, Madhya Pradesh vide letter no.2327 on dtd. 04/07/2017																		
20.	Date of Board's approval:	NA																		
21.	Date of Ground water clearance:	Only surface water will be used for mining purpose therefore no need of ground water clearance.																		
22.	Date of mine closure approval:	The mining plan has been approved by Regional office of Geology & Mining Jabalpur, Madhya Pradesh vide letter no.2327 on dtd. 04/07/2017																		
23.	Cost of proposed EMP and CSR with detailed components & proposed activities:	<table border="1"> <tr> <td colspan="2"><b>PROPOSED ANNUAL EMP COST</b></td> </tr> <tr> <td colspan="2"><b>Pollution Control (Water sprinkling, protection of bank erosion, land degradation etc.)</b></td> </tr> <tr> <td>1) Water @50 rs/Tanker &amp; @4TRIP/ Day (Capacity 3000 litre).</td> <td>Rs. 50,000</td> </tr> <tr> <td>2) Diesel @8 kmpl (for 1500 meters)</td> <td>Rs. 22,000</td> </tr> <tr> <td>3) Driver</td> <td>Rs. 48,000</td> </tr> <tr> <td>4) Road Maintenance (Max. Road length 2500 mtr.)</td> <td>Rs. 4,00,000</td> </tr> <tr> <td>5) Monitoring (AADM &amp; Water twice a year</td> <td>Rs. 40,000</td> </tr> <tr> <td>6) Afforestation / plantation @(40% on river bank and 50 % along approach road and 10% in village area . 500 plants/year will be planted.)</td> <td>Rs. 2,50,000</td> </tr> <tr> <td><b>Total</b></td> <td><b>Rs. 8,10,000 /-</b></td> </tr> </table> <p><b>PROPOSED ANNUAL COST FOR CSR/ESR</b></p>	<b>PROPOSED ANNUAL EMP COST</b>		<b>Pollution Control (Water sprinkling, protection of bank erosion, land degradation etc.)</b>		1) Water @50 rs/Tanker & @4TRIP/ Day (Capacity 3000 litre).	Rs. 50,000	2) Diesel @8 kmpl (for 1500 meters)	Rs. 22,000	3) Driver	Rs. 48,000	4) Road Maintenance (Max. Road length 2500 mtr.)	Rs. 4,00,000	5) Monitoring (AADM & Water twice a year	Rs. 40,000	6) Afforestation / plantation @(40% on river bank and 50 % along approach road and 10% in village area . 500 plants/year will be planted.)	Rs. 2,50,000	<b>Total</b>	<b>Rs. 8,10,000 /-</b>
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6.	Mango	100																														
	<b>Total</b>	<b>500</b>																														
25.	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details:	It is a River Sand Quarry on River Kanha. A Nallha is flowing from North to South, connected with River.																														

During presentation it was observed that a natural drain flowing from North to South is joining the River. As per Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC “No stream should be diverted for the purpose of sand mining. No natural water course and/ or water resources are obstructed due to mining operations”. In the approved plan submitted by the PP no protective area is left for this natural drain. Thus after presentation, PP was asked to submit revised operational production plan considering the non mining area minimum 100 meters from the both sides of the natural drain with revised area available for mining. PP was also asked to submit revised EMP cost with bifurcation in capital cost & recurring cost and structure of environmental management cell.

PP has submitted the reply of above query vide letter dated 17/11/2017 which was placed before the committee. Committee observed that area blocked due to leaving 100 meters from the both sides of natural drain now will be 18,000 sq. meter as per the revised operational production plan. As per the approved mine plan the available mining area was 48,100 SQM. Thus deducting 18,000 SQM areas from the available area, the remaining minable area will be 30,100 SQM. Considering the depth of 1.20 meters as per the approved mine plan, the extractable sand from this lease will be only 36,120 Cum/year. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

- Production of Sand as per mine plan with quantity not exceeding 36,120 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- The lease area should be clearly distinguished and earmarked at the site.
- No diversion of active channel should be allowed for mining.
- A budgetary provision for Environmental management Plan of Rs. 6.65 lacks (capital) is made with a recurring expenditure of 2.80 Lacks. 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. Under CSR Rs. 02.00 lacks/year is proposed for various activities. 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.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**10 Case No. - 5590/2017 M/s Sainik Foods Pvt. Ltd, HIG-5, Deendayal Nagar, Phase-1, Kanth Road, Muradabad, UP (SIA/MP/MIN/70356/2017) Prior Environment Clearance for Sand Mine on Ken River in an area of 10.20 Ha.. (1,25,000 cum per annum) (Khasra no. 136, 202, 203) at Village- Sayra, Tehsil - Sausar, Dist. Chhindwara (MP)**

This is case of Sand Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 136, 202, 203) at Village- Sayra, Tehsil - Sausar, Dist. Chhindwara (MP) 10.20 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 813 dated: 02/05/2017 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 following details were submitted by the PP:

1. Name of the project & its location:	<p><b>Name of the Project:</b> Sayra Sand Mine on Kanhan river.</p> <p><b>Location:</b> Khasra No: 136, 202 &amp; 203 Village: Sayra Tehsil: Sausar District: Chhindwara State: Madhya Pradesh</p>		
2. Name of the Company, Address Tele No. & E-mail :	<p><b>Sainik Foods Pvt. Ltd.</b> Authorised Signatory: Shri Narayan Prasad Pandey HIG-5 Deendayal Nagar, Phase-1, Kanth Road, Muradabad , Uttar Pradesh- 244001, India</p> <p><b>E-mail Id:</b> sainikfoodsprivatelimited@gmail.com</p>		
3. Latitude and Longitude of the project	Point	Latitude	Longitude
	A	21°38'22.67"N	78°51'09.64"E
	B	21°38'25.34"N	78°51'09.61"E
	C	21°38'28.95"N	78°51'21.14"E
	D	21°38'42.20"N	78°51'18.76"E
	E	21°38'43.68"N	78°51'23.46"E

	F	21°38'28.13"N	78°51'24.82"E			
4. If a Joint venture, the names & addresses of the JV partners including their share	N.A.					
5. Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	<b>New Proposal</b>					
	<b>Mine Lease Area:</b> 10.20 ha					
	<b>Land Use Pattern:</b>					
	<b>*All the areas are given in Hectares</b>	<b>Forest Land</b>	<b>Pvt. Ag. Land</b>	<b>Raiyati Land</b>	<b>Govt. Land</b>	<b>Total (Ha)</b>
	Non Utilized	-	-	-	10.20	10.20
	Total	-	-	-	<b>10.20</b>	<b>10.20</b>
	<b>Connectivity:</b>					
	NH-26B			5.2 km	NW	
	SH-19			5.2 km	NW	
	Bardi Halt Railway Station			4 km	SW	
Raja Bhoj Airport, Bhopal			240 km	NW		
6. Whether the project is in the Critically Polluted Area (CPA):	No the project is not in the Critically Polluted Area.					
7. Cost of the project :	22 lakhs					
8. Employment generated/to be generated	Category			Proposed		
	Supervisory staff			1		
	Part time mining engineer			1		
	Permit Manager			1		
	Mining mate			1		
	Time keeper/Store keeper cum first aider			1		
	Mali/watchman/pump operator			1		
	Skilled			1		
	Semi Skilled			2		
	Un Skilled Labour			20-25		
9. Benefits of the project:	The project is of utmost importance to the area/ region for further prevent widening of the river bed due to the deposition					

	of sediments which if not mined out will result in rising of the river bed causing flooding, damage to the adjoining areas, destruction of life and property. It provide interest of mineral development and shall greatly contribute to improve the socio-economic conditions of the local habitants. The operation of the proposed project will bestow various social and economic benefits to the local communities of the area in addition to providing better employment opportunities helping them earn livelihood. The mining project shall improve social infrastructure of the area, apart from increased financial benefits accruing to state and central agencies by ways of taxes, royalties, cesses etc.
11. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006. 1	N.A.
12. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	N.A.
13. No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	N.A.
14. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	N.A.
15. If the project was considered in EAC, Pl. gives dates of the meeting (s).	N.A.
16. Type of Mine: (Open cast/Underground/mixed):	Open Cast
17. Capacity of the mine	Total Production 1,25,000 m <sup>3</sup> /yr

applied for				
18. ML Area i. As per block allotment ii. As per approved mine plan	10.20 hectare			
19. Date of approval of mine plan, mine closure plan, status & date	23.08.17			
20. Date of Board's approval:				
21. Date of Ground water clearance:	Not Applicable			
22. Date of mine closure approval				
23. Cost of proposed EMP and CSR with detailed components & proposed activities.	<b>CSR Budget:</b>			
	Sl. No.	Activity	Fund Allotted (In Rs.)	
	1.	Provide drinking water facility	30,000.00	
	2.	Health camp and free medicine	40,000.00	
	3.	Educational support to poor student especially girls	40,000.00	
	Total		1,10,000.00	
	<b>EMP Cost:</b>			
	SI. No.	Measures	Description of work	Annual recurring cost(in Rs.) / Proposed
	1.	Pollution Control-Dust Suppression	Water sprinkling will be done on unpaved roads from where trucks carry sand during mining twice a day.	65,000
	2.	Pollution Monitoring	Yearly at 1 location for air,	-
i)	Air pollution	2 locations for water and 1	15,000	
ii)	Water pollution	location for	30,000	

	<b>iii)</b>	Noise pollution	noise during mining.	15,000
	<b>3</b>	Occupational Health	To provide medical facility at the site to the employees	34,000
	<b>4</b>	Green Belt	Trees will be planted along the river bank and along the kuchha road during the lease period in phases.	1,29,800
	<b>Total</b>			2,88,800
24. Numbers of plantation proposed & area allocated for plantation with budgetary provisions.	130 plants per year will be planted. Cost will be Rs. 1,29,800			
25. Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	Kanhan river (onsite).			

The case was presented by the PP and their consultant wherein it was observed by the committee that a road bridge is in existence on the southern side of the lease but the same is approx 900 meters away. During presentation it was instructed to PP that proposed cost of road maintenance should be enhanced because for maintenance 1300 meters long road only Rs. 2,08,000 is proposed for which PP submitted that the provision of Rs. 4,80,000 will be made in the budgetary allocations for road maintenance and same will be submitted immediately. After presentation, committee asked PP to bifurcate budgetary allocations made in the EMP in capital cost & recurring cost and enhance the numbers of plantation to 850. PP submitted the above informations vide letter dated 17/11/2017. The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

- Production of Sand as per mine plan with quantity not exceeding 1,25,000 cum/year.

- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- The lease area should be clearly distinguished and earmarked at the site.
- No diversion of active channel should be allowed for mining.
- A budgetary provision for Environmental management Plan of Rs. 4.80 lacks (capital) is made with a recurring expenditure of 6.65 Lacks. 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. Under CSR Rs. 02.00 lacks/year is proposed for various activities. 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.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

### **DISCUSSIONS BASED ON QUERY REPLY SUBMITTED BY THE PP'S**

11. **Case No. 3259/15 Shri M.G. Choosey, Engineer-in-Chief, Water Resources Department, Jail Sansadhan Bhawan, Tulsi Nagar, Bhopal (MP)-462003 Prior Environment Clearance for proposed Parasdoh Medium Life Irrigation Project with GCA-13467 ha., CCA-12120 ha., Catchment Area- 588.50 sq. Km. at Village-Pachdhar, Tehsil-Multai, District-Betul (MP)**

This is case of Prior Environment Clearance for proposed Parasdoh Medium Life Irrigation Project at Village-Pachdhar, Tehsil-Multai, District-Betul (MP) where TOR is to be issued. During presentation PP informed that they have already collected the pre monsoon data which was accepted by the committee.



Earlier this case was presented by the PP and their consultant in 218 SEAC Meeting dated: 24/08/2015 wherein after deliberations following TORs were issued by the committee in addition to the standard TORs prescribed by the MoEF & CC:

1. *Impact on wild life population should be studied and addressed in EIA.*
2. *Survey of flora & fauna be carried out in entire project area.*
3. *Details of private land to be acquired be submitted.*
4. *Financial implications of R&R and its commitments be submitted along with source of funding.*
5. *It is informed by the PP that 1.02 mcm water has been kept for maintaining minimum flow in the river and exclusive sluice gate will be provided. PP should ensure that the provisions are made in the live storage.*

PP has submitted EIA vide letter dated 07/06/2017 which was forwarded by the SEIAA vide letter no.-1059, dated-23/10/2017.

The case was presented by the PP and their consultant in the 296<sup>th</sup> SEAC meeting dated 07/11/2017 wherein after presentation PP was asked to submit information on following:

- Copy of notification related to BHU ARJAN issued under section 11.
- R & R layout plan w.r.t. number of houses, number of families and project affected people.
- No. of DG installed at construction phase and disposal plan of DG set spent oil.
- Details of plantation schedule with name of species and year-wise distribution and budgetary provisions.
- Skill development plan for People affected Families (PAF,s).
- Details of Environmental Cell/ Project Monitoring Cell at WRD department.
- Details of water quality monitoring locations should be provided as same is not mentioned in the EIA report.
- Layout plan for proposed R&R site.

PP has submitted the reply vide letter dated 17/11/2017 which was placed before the committee for discussions. The executive summery of the project is annexed as Annexure-1.

The query reply was presented by the PP. 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 EC for Parasdoh Medium Life Irrigation Project with GCA-13,467 ha., CCA-9,990 ha., Catchment Area- 588.50 sq. Km. at Village-Pachdhar, Tehsil-Multai, District-Betul (MP) subject to the following special conditions:

**(A) PRE-CONSTRUCTION PHASE**

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

**(B) CONSTRUCTION PHASE**

6. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
7. Fire extinguishers should be provided on site during construction/ plant erection period.
8. 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.
9. Properly tuned construction machinery and good condition vehicles with mufflers (low noise generating and having PUC certificate) should be used and turned off which not in use.
10. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.
11. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
12. 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
13. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.

14. 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.
15. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.

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

16. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
17. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
18. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
19. Use of Solar Energy should be promoted in the project area where ever possible.
20. 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.
21. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
22. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

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

23. A budgetary provision of Rs. 281.50 crores is made for Environmental Management Plan and R&R plan. A budgetary provision of Rs. 26.10 lacks is made for implementing Environmental Monitoring Programme during operation phase. 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.
24. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
25. All commitments pertaining to public hearing shall be mandatory on part of PP.
26. 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.
27. 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.
  28. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
  29. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  30. 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.

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

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

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

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

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

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

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

**Annexure- 'A'**

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

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

**Annexure- 'B'**

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

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. Plantation shall be carried out on the banks for stabilization of the banks.

4. The mining activity shall be done manually.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
6. NOC of gram panchayat should be obtained for the water requirement.
7. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
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.
11. No in-stream mining shall be allowed.
12. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. Established water conveyance channels should not be relocated, straightened, or modified.
14. 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.
15. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
16. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. EC will be valid for mine lease period subject to a ceiling of 5 years.
18. Mining should be done as per the submitted land use plan submitted by PP.

### Annexure- 'C'

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

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

8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
9. No Mining shall be carried out during Monsoon season.
10. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
11. NOC of gram panchayat should be obtained for the water requirement.
12. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
13. The mining shall be carried out strictly as per the approved mining plan.