STATE EXPERT APPRAISAL COMMITTEE MINUTES OF 309th MEETING **23 March 2018**

The 309th meeting of the State Expert Appraisal Committee (SEAC) was held on 23rd March, 2018 under the Vice-Chairmanship of Shri. R. Maheshwari, for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Shri Prasant Srivastava, Member.

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

1. **Case No. - 5645/2018 M/s Krishna Phoschem Limited, 118 B & 119,120, AKVN Industrial Area, Village - Meghnagar, Dist. Jhabua, (M.P.) 457779 Prior Environment Clearance for Manufacturing of Dyes and Dye Intermediates at 118B, 119, 120, AKVN Industrial Area - Meghnagar, Distt.- Jhabua (M.P.) Capacity - Dyes & Dyes Intermediates: 6000 MTPA, Detergent : 36000 MTPA, C.P.C.: 6000 MTPA, Cyanuric : 20,000 MTPA ha.Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & Dye Intermediates) Project.Env. Con. – SMS Enviro Care, Pune (MS).**

The project is covered under the provisions of EIA Notification as item no. 5(f); hence it requires prior EC before commencement of activity at site.

PP and their consultant presented the case for TOR before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

SALIENT FEATURES OF PROJECT

Sr. No.	Particulars	Details
1.	Name of the project & its location:	Manufacturing of Dyes & Dye Intermediates project of Krishna Phoschem Limited Unit- IV, 118B, 119,120 Meghnagar Industrial Area, Meghnagar – 457779 (Madhya Pradesh)
2.	Name of the Company, Address Tele No. & E-mail :	Krishna Phoschem Limited, 7770833111, 07390-284989 krishnaphoschem.unit4@gmail.com, kplunit@gmail.com
3.	Latitude and Longitude of the project.	Latitude: 22°54'29.5"N Longitude: 74°33'18.7"E Elevation: 328 m AMSL
4.	If a Joint venture, the names & addresses of the JV partners including their share.	Not Applicable
5.	Project brief: nature of proposal	New Project.

	(new/expansion) total area- land use, project components, connectivity to the site etc	Category: 5(f) Synthetic Organic chemical Industry Project Plot Area: 22459.0 Sq.m Land Use:For Industrial Purpose Connectivity: • Nearest Railway Station: Meghnagar, 1.5Km in SWS direction. • Nearest Airport: Indore, 130.0 Km in ENE.
6.	Cost of the project.	75.00Crores
7.	Whether the project is in Critically Polluted area.	No
8.	If the project is for EC under EIA Notification, 2006	Category: 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) Category: B project as located within Notified Industrial Area
9.	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. b) Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP. If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	a) For the first time appraisal by SEAC i) TOR presentation: 23rd March, 2018 ii) Not Applicable iii) Not Applicable b) Second appraisal i) Not Applicable ii) Not Applicable
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.	Not Applicable. No any area is present which are important or sensitive for ecological reasons Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.
11.	Waste Management i) Water requirement, source, status of clearance ii) Waste water quantity, treatment capacity, detail iii) Recycling / reuse of treated water and disposal	i) Water Requirement: 350KLD Source: MPAKVN, Meghnagar. ii) Effluent water: 70KLD. Effluent water will be treated in proposed ETP. iii) After ETP treated water will be recycled for flushing & gardening purpose. iv) Solid waste generated during the manufacturing

	iv) Solid Waste Management v) Hazardous Waste Management.	process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Trans-boundary Movement) Rules, 2016 v) Same as sr. no. iv
12.	Other details i) Noise Modeling with noise control measures for airports. ii) Details of water bodies, impact on drainage if any. iii) Details of tree cutting iv) Energy conservation measures with estimated saving. v) Green belt development (20 % of construction projects and 33 % for others) vi) Parking requirement with provision made	i) Not Applicable ii) Water body: Anas River is 6.0 km in South direction. iii) The proposed site is without any vegetation & trees; hence trees cutting will not require. iv) Reduction in energy consumption can be achieved by using LED lights. v) About 7412.0 m^2(33%) area will be left for green development. vi) Not Applicable
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 information (i) Investment/Cost of the project is Rs…(incrore). (ii) EmploymentPotential.....	i) 75.00Crore ii) This project will generate 100 Nos of skilled and

	(iii) Benefits of the project.....	non-skilled employment iii) The proposed project will be provided job opportunity at maximum extent to the surrounding population. The project shell affect the socio-economy, physical infrastructure and biological environment. Residential accommodation for Govt. India & MP for their employees.
16.	Date of Ground water clearance:	Not Applicable.
17.	Cost of proposed EMP and CSR (with detailed components &proposed activities) with capital cost andrecurring cost.	Details of EMP and CSR will be provided in Final EIA Report.
18.	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	The green belt will be developed for the proposed project in an area of 7412.00 sq. m (33 %) of the total plot area.
19.	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	Not Applicable

During presentation it was submitted by PP that the proposed site was previously used as tailing pond of their existing unit and they have cleared the site for this project by removing all the existing structures of tailing pond and accumulated waste materials but unable to provide the details of waste materials i.e. their quantity and disposal method. Committee after deliberations decided to carryout site visit of this unit by a sub-committee of SEAC even before prescribing TOR as there are lots of agitation in Meghnagar IA due to unauthorized/indiscriminate disposal of waste in open area and also as per the policy decision of SEIAA taken in 250th SEIAA meeting dated 14/10/2015 stating that SEAC should also make a site visit before recommending the cases of Chemical Plants to SEIAA. During deliberations it was also informed to the committee that unit has not submitted the interstate boundary certificate issued by the competent authority which is necessary before the appraisal to ascertain the category. Committee was also informed that MoEF&CC has recently forwarded a complaint regarding the distance verification of an industry located in Meghnagar IA from Gujarat State Boundary (as EC was issued by the MoEF&CC considering the interstate distance < 5.00 Kms and Category - A) thus this certificate is must before the appraisal of the project. Considering above issues, committee decided that the TOR will be prescribed based on the outcome of the site visit report and distance certificate verification from the competent authority.

2. **Case No. - 5646/2018 M/s Ambey Chemtech Pvt. Ltd, Plot No. 74-75, Meghnagar Industrial Area, AKVN, Village - Meghnagar, Distt. - Jhabua, (M.P.) 457779 Prior Environment Clearance for Manufacturing of Dyes and Dye Intermediates Project at Plot**

No. - 74-75, AKVN, Industrial Area, Meghnagar, Distt. -Jhabua, (M.P.) Capacity : Dyes & Dye Intermediates - 720 MT/Year. (TOR) Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & Dye Intermediates) Project. Env. Con. – SMS Enviro Care, Pune (MS).

The project is covered under the provisions of EIA Notification as item no. 5(f), hence it requires prior EC before commencement of activity at site.

PP and their consultant presented the case for ToR before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

SALIENT FEATURES OF PROJECT

Sr. No.	Particulars	Details
1.	Name of the project & its location:	Manufacturing of Dyes & Dye Intermediates project of M/s. AmbeyChemtech Pvt. Ltd. 74-75 Meghnagar Industrial Area, Meghnagar – 457779 (Madhya Pradesh)
2.	Name of the Company, Address Tele No. & E-mail :	AmbeyChemtech Pvt. Ltd. Block Office Road, Meghnagar, Meghnagar-457779, Dist. Jhabua. Madhya Pradesh. 9425487696, nayakarvind30@yahoo.co.in
3.	Latitude and Longitude of the project.	Latitude: 22°54'41.60"N Longitude: 74°33'22.60"E Elevation: 328 m AMSL
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	New Project. Plot Area: 4536.00Sq.m Land Use:For Industrial Purpose Connectivity: • Nearest Railway Station: Meghnagar, 1.7Km in SWS direction. • Nearest Airport: Indore, 130.0 Km in ESE.
6.	Cost of the project.	1.30Crores
7.	Whether the project is in Critically Polluted area.	No

8.	If the project is for EC under EIA Notification, 2006	Category: 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) Category: B Project as located within Notified Industrial Area
9.	c) For the first time appraisal by EAC iv) Date of ToR: v) Date of Public Hearing, location vi) Major issues raised during PH and response of PP. d) Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought by the EAC with the response of the PP. If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	c) For the first time appraisal by SEAC iv) TOR presentation: 23rd March, 18 v) Not Applicable vi) Not Applicable d) Second appraisal iii) Not Applicable iv) Not Applicable
10.	If the project falls within 10 km of eco- sensitive area iii) Name of eco- sensitive area and distance from the project site, iv) status of clearance from National Board for wild life.	Not Applicable. No any area is present which are important or sensitive for ecological reasons Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.
11.	Waste Management vi) Water requirement, source, status of clearance vii) Waste water quantity, treatment capacity, detail viii) Recycling / reuse of treated water and disposal ix) Solid Waste Management	vi) Water Requirement: 35KLD Source: MPAKVN, Meghnagar. vii) Effluent water: 22 KLD effluent water will generated and treated in proposed in- house 30 KLD ETP followed Multiple Effective Evaporator. viii) After ETP treated water will be evaporated in MEE and then condensate will be used in process. ix) Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized facility, as per Hazardous and Other Waste (Management & Trans-boundary Movement) Rules, 2016 x) Same as sr. no. iv

	x) Hazardous Waste Management.	
12.	Other details vii) Noise Modeling with noise control measures for airports. viii) Details of water bodies, impact on drainage if any. ix) Details of tree cutting x) Energy conservation measures with estimated saving. xi) Green belt development (20 % of construction projects and 33 % for others) xii) Parking requirement with provision made	vii) Not Applicable viii) Water body: Anas River is 6.0 km in South direction. ix) The proposed site is without any vegetation & trees; hence trees cutting not required. x) Reduction in energy consumption can be achieved by using LED lights. xi) About 1497.00 m^2(33%) area will be left for green development. xii) Not applicable.
13.	If the project involves foreshore facilities vi) Shoreline study vii) Dredging details, disposal of dredge material viii) Reclamation ix) Cargo handling with dust control measures x) Oil Spill Contingent Management Plan	Not Applicable
14.	If the project involves Marine disposal vi) NOC from PCB in case of marine disposal vii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9 viii) Location of intake / outfall. Quantity, ix) Detail of monitoring at outfall x) Any other relevant information:	Not Applicable
15.	Other information (i) Investment/Cost of the project is Rs…(incrore). (ii) EmploymentPotential..... (iii) Benefits of the project	iv) 1.30Crore v) This project will generate 20 Nos of skilled and non-skilled employment.

	.....	vi) The project will create opportunities for employment to the nearby villagers. The project shell affect the socio-economy, physical infrastructure and biological environment.
16.	Date of Ground water clearance:	Not Applicable.
17.	Cost of proposed EMP and CSR (with detailed components &proposed activities) with capital cost andrecurring cost.	Details of EMP and CSR will be provided in Final EIA Report.
18.	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	The green belt will be developed for the proposed project in an area of 1497.00 sq. m (33 %) of the total plot area.
19.	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	Nearest water body which is Anas river located in 6.0 km in South direction from the project site

During presentation it was submitted by PP that for the proposed site CTE from MPPCB was obtained for the production of Dicalcium phosphate & other products for 1825 MT/year vide letter no. 2257 dated 20/12/2013 and have installed some equipments on site but was unable to provide that details of machinery available on site, any production taken till date and disposal of wastes (if any). Committee after deliberations decided to carryout site visit of this unit by a sub-committee of SEAC even before prescribing TOR as there are lots of agitation in Meghnagar IA due to unauthorized/indiscriminate disposal of waste in open area and also as per the policy decision of SEIAA taken in 250th SEIAA meeting dated 14/10/2015 stating that SEAC should also make a site visit before recommending the cases of Chemical Plants to SEIAA. During deliberations it was also informed to the committee that unit has not submitted the interstate boundary certificate issued by the competent authority which is necessary before the appraisal to ascertain the category. Committee was also informed that MoEF&CC has recently forwarded a complaint regarding the distance verification of an industry located in Meghnagar IA from Gujarat State Boundary (as EC was issued by the MoEF&CC considering the interstate distance < 5.00 Kms and Category - A) thus this certificate is must before the appraisal of the project. Considering above issues, committee decided that the TOR will be prescribed based on the outcome of the site visit report and distance certificate verification from the competent authority.

3. **Case No. - 5647/2018 M/s V.S. Industries, Shri Vihar Colony H.No. 2, Infront of Sagartalk Road, Bahodaur, Gwalior, (M.P.) Prior Environment Clearance for Proposed Clinker Grinding Processing Unit at Plot No. – F6 and F11 of Industrial Area, Jaderua, Distt. - Morena, (M.P.) Capacity – Clinker Grinding Processing Unit – 60,000 MT/Annum (Cement Production). Cat. 3(b) Cement Plants Project.**

This is a case of grinding unit for production of cement. The project is covered as item 3(B) in the schedule of EIA notification as standalone grinding unit and hence requires prior EC from SEIAA before commencement of any activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The project is proposed in the at Industiral area – Jaderua, Distt. - Morena, (M.P.).The application pertaining to EC was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. The presentation and the submissions made by the PP reveals following:

SALIENT FEATURES OF PROJECT

S.No.	Particulars	Details
1	**Name of the project**	**Proposed Clinker Grinding Processing Unit**
	Location:	**Plot No. F-6 and F-11 of Industrial Area, Jaderua, Distt. - Morena, (M.P.)**
2	**Name of the Company,**	**M/s V.S. Industries**
	Address	Shri Vihar Colony H. No. 2, Infront of Sagartalk Road, Bahodaur, Gwalior, (M.P.)
	Tele No.	9329478488
	E-mail :	viabhavshrivastava1978@gmail.com
3	**Latitude and Longitude of the project.**	26°25'22.74"N, 78° 1'36.45"E 26°25'23.53"N, 78° 1'36.98"E 26°25'24.78"N, 78° 1'34.88"E 26°25'23.94"N, 78° 1'34.35"E
4	**If a Joint venture, the names & addresses of the JV partners including their share.**	N.A. We have been allocated land by Industrial Infrastructure Development Corporation (Gwalior) M. P. Ltd. in its Industrial Area meant for setting up of Polluting Industries.
5	**Project brief: nature of proposal (new/expansion,)**	New
	Total area - land use	Total plot area: 2039.22 Sq.Mt. (0.2039 Hect.)
	Project components	Covered: 824.7010842 Open: 336.4951365 Green Belt: 878.0274807 Total: 2039.223701 Machine Shed: 278.7093897 Finish Product Shed: 464.5156495

6	**Cost of the project**	Rs. 184 Lakhs
7	**Whether the project is in Critically Polluted area.**	No
8	**If the project is for EC under EIA Notification, 2006**	Yes
	a) For the first time appraisal by EAC **(i) Date of ToR:**	Yes (i) To be considered on 23.03.2018
	(ii) Date of Public Hearing, location	(ii) Not Applicable, As the land falls under Notified Industrial Area, Jaderua, Morena (M.P.)
	(iii) Major issues raised during PH and response of PP	(i) Not Applicable, As the land falls under Notified Industrial Area, Jaderua, Morena (M.P.) (ii)
	b) Second appraisal **(i) Date of first /earlier appraisal** **(ii) Details of the information sought by the EAC with the response of the PP.**	N.A.
9	**If the project involves diversion of forest land** **(i) extend of the forest land** **(ii) status of forest clearance.**	NO Not Applicable. Not Applicable.
10	**If the project falls within 10 km of eco- sensitive area**	No
	(i) Name of eco- sensitive area and distance from the project site,	Project does not fall under eco-sensitive area.
	(ii) status of clearance from National Board for wild life	Not Applicable.
11	**Waste Management** **(i) Water requirement, source, status of clearance**	Zero Discharge from the Plant, solid/liquid wastes.
	(ii) Waste water quantity, treatment capacity, detail	(ii) Dry Process based unit.
	(iii) Recycling / reuse of treated water and disposal	Not Required.

	(iv) Solid Waste Management	Not Required.
	(v) Hazardous Waste Management	No.
12	**Other details** **(i) Noise Modelling with noise control measures for airports**	(i) N.A.

	(ii) Details of water bodies, impact on drainage if any	(ii) No water bodies passing through the project area
	(iii) Details of tree cutting	Not Required.
	(iv) Energy conservation measures with estimated saving	Energy Efficient equipments for auxiliary,/ minor operations will be used. The project planning is under process all standards measures will be taken for the energy conservation.
	(v) Green belt development (20 % of construction projects and 33 % for others)	Green Area - 878.02 Sq.mt. (43% of total area)
	(vi) Parking requirement with provision made	Not Required.
13	**If the project involves foreshore facilities** **(i) Shoreline study** **(ii) Dredging details, disposal of dredge material** **(iii) Reclamation** **(iv) Cargo handling with dust control measures** **(v) Oil Spill Contingent Management Plan**	N.A.
14	**If the project involves Marine disposal** **(i) NOC from PCB in case of marine disposal** **(ii) details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet** **will reach ambient parameters 9** **(iii) location of intake / outfall. Quantity, (iv) detail of monitoring at outfall** **(v) Any other relevant information:**	N.A.
15	**Other information** **(i) Investment/Cost of the project**	Rs.184 Lakhs
	(ii) Employment potential	10 Nos.
	(iii) Benefits of the project	• Project will provide employment opportunities, both direct and indirect, thus improving the economic status of the villagers. • Improved communication & education facilities to local community.
16	**Date of Ground water clearance:**	N.A.
17	**Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost.**	**CSR implementation budget would be 2% of the annual average profit of the project.** **EMP Capital Cost Rs. 12,00,000/- (Dust Extraction System with Bag Filter, Automatic Monitoring facilities etc.) & Recurring Cost Rs. 4,00,000/-**
18	Numbers of plantation with name of species	Details are given below.

	proposed & area allocated for plantation with budgetary provisions.	

Green Area	878.02 Sq.mt.
Additional Green Area (Periphery of the project premises)	=196 X 1 = 196 M.
No. of trees in Green Area = Periphery of Green Area/ Gap in M. X Dual Row= Total No. of trees	=63.56 Sq.mt./ 5 X 2 = 25 Nos.
Trees on Periphery of the project = Periphery of Green Area/ Gap in M. X Dual Row= Total No. of trees	=196 M. / 5 X 2 = 78 Nos.

Species of proposed trees

Gravillea robusta (Silver Oak), *Casuarina equisetifolia* (Casuarina), *Polyalthia longifolia* (Ashok), *Dendrocalmus strictus* (Bamboo), *Azardirachta indica* (Neem), *Dalbergia Sissoo* (Sheesham), *Mangifera indica* (Mango), *Delonix regia* (Gulmohar), *Cassia fistula* (Amaltas), *Phyllanthus emlica* (Amla), *Pongamia pinnata* (Karanj), *Prosopis cineraria* (Khejri), *Terminalia arjuna* (Arjun), *Terminalia bellerica* (Baheda), *Ziziphus mauritiana* (Ber), *Nerium oleander, Thevetia peruviana, Nerium indicum* (Kaner)

Budgetary provision for plantation approximately Rs. 25,000/-

19	Any river/Nallha flowing near or adjacent to the proposed project. If yes, please give details.	No water bodies passing through the project area.

The case was presented by the PP for issuing of TOR to carryout EIA studies with site specific details. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. NOC from Gram Sabah should be obtained and annexed with the EIA report.
2. Ambient Air Quality Monitoring Stations should be located in all the villages which are within 01 kms radius of the project site and incremental GLC should be predicted in all such villages.
3. Concerned Regional Officer, MP Pollution Control Board must be informed about the monitoring locations and monitoring should be carried out under intimation to him.
4. In EIA study the mode of transportation, storage of fly ash, all raw materials and products should be discussed along with their impacts.
5. Hydro geological studies should be carryout and reported in the EIA report.
6. Public Hearing to be carried out as per the MoEF&CC, OM J-11013/36/2014/1 A-I dated 04/04/2016.
7. Protection Plan for surface run off should be discussed in EIA report.

8. 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.
9. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
10. 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.
11. 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.
12. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
13. The EIA document shall be printed on both sides, as far as possible & all documents should be properly indexed, page numbered.
14. Period/date of data collection should be clearly indicated.
15. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
16. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
17. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
18. Grant of TOR does not mean grant of EC.
19. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
20. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
21. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

4. **Case No. - 5648/2018 M/s Omkar Chemicals, Plot No. 19, 20, 21 Industrial Area, Nagjhiri, Dewas Road, Ujjain, MP – 456010 Prior Environment Clearance for Manufacturing of Drug Intermediate in plot no. 19, 20, 21 Industrial Area, Nagjhiri, Dewas Road, Ujjain, (M.P.) (TOR) Cat. 5(f) Synthetic Organic Chemicals Industry (Bulk Drug) Project.**

The project is covered under the provisions of EIA Notification as item no. 5(f); hence it requires prior EC before commencement of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project site.The submissions and the presentation made by the PP and his consultant revealed following:

EXECUTIVE SUMMARY FOR PROJECTS

1. **Name of the project & its location**:
   Manufacturing of Drug Intermediates
   Plot no. 19, 20, 21 Industrial Area, Nagjhiri, Dewas Road, Ujjain, (M.P.)

2. **Name of the Company, Address Tele No. & E-mail :**
   M/s Omkar Chemicals,Plot no. 19, 20, 21 Industrial Area, Nagjhiri, Dewas Road, Ujjain, (M.P.)+91-9989526525omkarchemicals@yahoo.com

3. **Latitude and Longitude of the project**
   a. 23° 8'57.83"N 75°49'13.66"E
   b. 23° 8'59.18"N 75°49'15.91"E
   c. 23° 8'57.59"N 75°49'17.16"E
   d. 23° 8'56.22"N 75°49'14.76"E

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 – New
   Total Land Area - 4700 sq m

   Project Components **–**

S.No	Name of Products	Production Capacity
1	Diketone	120 tons p.a.

2	N-Ethyl-2-Aminomethyl Pyridine	48 tons p.a.
3	2-Amino Pyridine	100 tons p.a.
4	6-Bromo Veratradelhyde	6 tons p.a.
TOTAL MANUFACTURING CAPACITY		**274 tons per annum**

6. Cost of the project – 7.70 Crore

7. Whether the project is in Critically Polluted area –

No, the project is in declared Industrial Area.

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

a) For the first time appraisal by EAC – Not Applicable
(i) Date of ToR:
(ii) Date of Public Hearing, location
(iii) Major issues raised during PH and response of PP

b) Second appraisal – Not applicable
(i) Date of first /earlier appraisal
(ii) Details of the information sought by the EAC with the response of the PP.

9. If the project involves diversion of forest land

(i) extend of the forest land
(ii) status of forest clearance-

No, the project is in declared Industrial Area.

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.

No, the project is in declared Industrial Area. We have also requested DFO to provide the letter regarding the distance from the forest, which is in process.

11. Waste Management

(i) Water requirement, source, status of clearance –

9.0 KLD of water shall be required. The requirement shall be met by SIPRA Shudhjal Seva, Public health engineering

(ii) Waste water quantity, treatment capacity, detail

7.0 KLD wastewater shall be generated. We will install zero liquid discharge system (Effluent Treatment Plant followed by RO & MEE)

(iii) Recycling / reuse of treated water and disposal

Treated water shall be reused in washing/cleaning activities and plantation.

(iv) Solid Waste Management

Non hazardous solid waste like corrugated boxes shall generate, which will sold to recyclers.

(v) Hazardous Waste Management –

All the hazardous waste shall be disposed only through M.P Waste Management Facility. List of hazardous waste is given below-

S.No.	Hazardous Waste	Category	Quantity (in MT/yr)
1	Used or spent oil	5.1	60.000
2	Wastes or residues containing oil	5.2	5.000
3	Process Residue and wastes	28.1	5.000
4	Spent carbon	28.3	32.000
5	Off specification products	28.4	2.000
6	Spent solvents	28.6	80.000
7	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	33.1	80.000
8	Chemical sludge from waste water treatment	35.3	20.000

12. Other details

(i) Noise Modeling with noise control measures for airports

Not applicable

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

No major impact on water bodies.

(iii) Details of tree cutting Not applicable

(iv) Energy conservation measures with estimated saving
We shall use energy efficient lighting system in the office area

(v) Green belt development (20 % of construction projects and 33 % for others)

(vi) Parking requirement with provision made
Not required as workers shall mainly travel through local conveyance.

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 information
(i) Investment/Cost of the project - Rs 7.7 (in crore).
(ii) Employment potential - 140 nos.
(iii) Benefits of the project There is a strong demand for Diketone as it is consumed in production of ATROVASTATIN i.e. for cholesterol reduction.
N-Amino-2-Methyl Pyrolidine goes with Antacid and market is growing

16. Date of Ground water clearance: Not Applicable

17. Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.

S.no.	Activities	Approx Investment (in lac)
1	Plantation activities	3.0
2	Wastewater Management (Zero Discharge)	35.0
3	Environmental Monitoring	5.0
4	Training and Awareness	1.5

18. Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.

S.No.	Plantation
1	Ashok
2	Neem
3	Peeple
4	Morsali
5	Jharul Tree
6	Karanj
7	Kadam
8	Seesam
9	Gudhal
10	Champa

19. Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.--Kshipra River Ujjain – 5.2 km

The case was presented by the PP and their consultant wherein during presentation PP informed that it's an existing unit and was in operation on the basis of consent and they have stopped the production of earlier products. PP further submitted that the proposed new products falls within the perview of EIA Notification, 2006 and thus they have applied for the grant of EC. After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR:

1. PP should provide entire product mix in the EIA report.
2. Worst case scenario w.r.t. waste water and hazardous waste should be submitted.
3. Details of solvents and their recovery plan should be discussed in the EIA report.
4. VOC should be monitored in the AAQ.
5. All MSDS should be provided with the EIA report.

6. Industry has to comply with zero discharge for which necessary details should be provided in the EIA report.
7. Concerned Regional Officer, MP Pollution Control Board must be informed about the monitoring locations and monitoring should be carried out under intimation to him.
8. Land use plans of the plant both existing land use as well as proposed land use and PP should assure that no existing green area shall be altered for which a written commitment be submitted with the EIA report.
9. Details of any waste at present lying within the plant premises and if yes, same should be discussed in the EIA report with its disposal plan.
10. Inventory of existing and proposed machinery and if any existing machinery proposed to be used same shall be presented 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.
16. The EIA document shall be printed on both sides, as far as possible & all documents should be properly indexed, page numbered.
17. Period/date of data collection should be clearly indicated.
18. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
19. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
20. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
21. Grant of TOR does not mean grant of EC.
22. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.

23. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
24. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

5. **Case No. - 5649/2018 M/s Enaltec Labs Pvt. Ltd, Plot No. 825, 826, Pitampur Industrial Area, Sector - III, Taluka - Dhar, Dist. Dhar, MP – 454775 Prior Environment Clearance for API Manufacturing Unit in Plot No. 825, 826, Pitampur Industrial Area, Sector - III, Taluka - Dhar, Dist. Dhar, (M.P.) (TOR) Cat. 5(f) Synthetic Organic Chemicals Industry (Bulk Drug) Project.**

The project is covered under the provisions of EIA Notification as item no. 5(f), hence it requires prior EC before commencement of activity at site.

PP and their consultant presented the case for ToR before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

1. Name of the project & its location:

- M/s Enaltec Labs Pvt Ltd. The proposed project is located at plot no. 825,826 & 827 Pitampur Industrial Area, Sector – III, District - Dhar, Madhya Pradesh, India.

2. Name of the Company, Address Tele No. & E-mail :

- **Name of the Company -** M/s Enaltec Labs Pvt. Ltd.
- **Registered Address** - 1706, 17th Floor, Kesar Solitaire, Plot No. 5, Sector 19, Sanpada, Navi Mumbai – 400 705, India.
- **Telephone No**. - 91-22-6750 7000,
- **Fax** - 91-22-6750 7070
- **E-mail** - dhananjay.phalak@enaltec.com

3. Latitude and Longitude of the project.

- Latitude and longitude of the proposed project plot are given in the table below,

Sr. No.	Latitude	Longitude	Sr. No.	Latitude	Longitude
1	22°37'17.33"N	75°34'23.97"E	5	22°37'14.33"N	75°34'16.74"E
2	22°37'14.76"N	75°34'23.90"E	6	22°37'14.34"N	75°34'20.24"E
3	22°37'11.14"N	75°34'23.69"E	7	22°37'14.72"N	75°34'20.23"E
4	22°37'12.23"N	75°34'16.65"E	8	22°37'17.26"N	75°34'20.25"E

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.

- The proposed project is a new activity wherein a new plot has been purchased by the project proponent along with some existing structures and utilities. The plot has been purchased from Namokar Speciality Chemicals Pvt. Ltd. The registration of the unit has been done at Plot no – 825 & 826, Pitampur Industrial Area Sector – III, District – Dhar, State – Madhya Pradesh has been done with Madhya Pradesh Audyogik Kendra Vikas Nigam Indore Ltd whereas Plot no – 827 has been purchased from MPAKVN.

Area Details	Area in sq. m.
Total plot Area	27015.1
Built up area	5750.54
Green belt	8915

Connectivity to the site –

The Pithampur industrial area has well maintained internal roads which are connected to Mhow – Ghatbollid Road which is further connected to NH3 (Mumbai Agra Highway) in the East direction and NH – 59 to the West direction.

6. Cost of the project.

- The total project cost will be 48.4 Crores.

7. Whether the project is in Critically Polluted area.

- No, the proposed project is not located in Critically Polluted Area.

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

a) **For the first time appraisal by EAC** – Project submitted to EAC : 18.08.2017

- Accepted by Member Secretary: 29.08.2017

(i) **Date of ToR**: Standard ToR granted by MoEF : 29.09.2017

(ii) **Date of Public Hearing, location** – Public hearing is not applicable

(iii) **Major issues raised during PH and response of PP** – Not Applicable, Industry located in Notified Industrial Area.

b) **Second appraisal**

(i) **Date of first /earlier appraisal**: Not Applicable

(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

NA, The proposed project is located in notified industrial area.

(i) Extend of the forest land – Not Applicable.

(ii) Status of forest clearance – Not Applicable.

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

Not Applicable. The proposed projects do not fall within 10 km of eco - sensitive area.

(i) **Name of eco- sensitive area and distance from the project site**.

Not Applicable

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

Not Applicable

11. Waste Management

(i) **Water requirement, source and status of clearance.**

The total requirement of water for the proposed project will be 143 CMD. The water will be sourced from MP AKVN.

(ii) **Waste water quantity, treatment capacity, detail.**

The total amount of waste water generated will be Industrial effluent – 43.7 CMD & Domestic Effluent – 7.2 CMD.

The proposed project will be a ZLD unit. A fully fledged ETP with MEE followed by ATFD and R.O plant will be installed. The treated effluent will be entirely recycled within the plant premises. The domestic effluent will be treated in the aeration tank of the ETP.

(iii) **Recycling / reuse of treated water and disposal.**

Entire effluent will be recycled within the company and reused by means of a fully fledged ETP with MEE followed by ATFD and R.O plant.

(iv) **Solid Waste Management**

All the solid waste generated within the company will be sold to MPCB authorized Scrap vendors.

Sr. No	Particulars	TPM	Method of Disposal
1	Plastic waste, plastic wrappers, scrap	0.1	Sold to approved scrap dealers

(v) **Hazardous Waste Management**

All the Hazardous waste generated within the company will be disposed off through CHWTSDF / Authorized recycler.

Sr. No.	Particulars	Category	Proposed TPM	Method of Disposal
i.	Hyflo and carbon waste	28.3	1.5	To CHWTSDF
ii.	Spent Solvent	28.6	555	To the authorized recycler
iii.	Process/solid waste	28.1	5	To CHWTSDF
iv.	Catalyst waste	28.2	1.5	To authorized recycler
v.	Spent Oil	5.1	0.2	To CHWTSDF

vi.	Distillation residue	36.1	5	To CHWTSDF
vii.	Off specification products	28.5	0.1	To CHWTSDF
viii.	Date expired products	28.5	0.1	To CHWTSDF
ix.	ETP Sludge	35.3	3	To CHWTSDF
x.	MEE Residue	37.3	82	To CHWTSDF
xi.	Discarded containers	33.1	1	To authorized recycler

12. Other details

(i) **Noise Modeling with noise control measures for airports**

Not Applicable

(ii) **Details of water bodies, impact on drainage if any –**

The proposed project will operate as a ZLD unit. All the waste water generated from the industrial activities and domestic effluent will be treated in a fully fledged ETP with MEE followed by ATFD and R.O plant. The treated effluent will be entirely recycled within the plant premises. The domestic effluent will be treated in the aeration tank of the ETP. None of the effluent generated within company premises will be discharged in the drainage or in the water body.

(iii) Details of tree cutting

(iv) The plot is devoid of any vegetation, there are no trees which need to be cut.

(v) Energy conservation measures with estimated saving – There are no alternate sources of energy conservation which have been explored.

(vi) Green belt development (20 % of construction projects and 33 % for others) – Area provided for green belt is 8915 sq. mtr.

(vii) Parking requirement with provision made -

Sufficient area for parking will be provided

13. **If the project involves foreshore facilities**

Not Applicable.

(i) Shoreline study - Not Applicable

(ii) Dredging details, disposal of dredge material – Not Applicable**.**

(iii) Reclamation – Not Applicable.

(iv) Cargo handling with dust control measures – Not Applicable.

(v) Oil Spill Contingent Management Plan – Not Applicable.

14. If the project involves Marine disposal – Not Applicable

(i) **NOC from PCB in case of marine disposal –** Not Applicable

(ii) **Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters –** Not Applicable, it is a ZLD project.

(iii) Location of intake / outfall. Quantity – Not Applicable, it is a ZLD project

(iv) detail of monitoring at outfall - Not Applicable, it is a ZLD project

(v) Any other relevant information : Not Applicable, it is a ZLD project

15. Other information

(i) Investment/Cost of the project is Rs **48.4 Crores**

(ii) **Employment potential** –

Construction Phase - 100-150 workers

Operational Phase – 180 workers per day (60 workers per shift)

(iii) Benefits of the project

Overall benefits of the project are as follows:

1) The plant is located within Notified Industrial Area, therefore no human displacement or clearance of vegetation is envisaged.

2) The proposed project will be a ZLD unit, therefore water consumption of the project will lessen after first cycle of operation.

3) As the company is a new unit, Employment opportunities will be generated for local people.

4) Under CSR activities the company will focus on locale specific aspects such as education & skill development, Health awareness to the people, water and sanitation and various social activities.

5) Industry trust on employee's strength so management of the industry always promotes and maintains the safety conditions in and around the workers.

6) Starting of this project will reduce the present demand and supply gap for the same product, which will directly benefits to the end users of this products in terms of lower purchase cost. Thus a significant benefit to the socio-economic environment is likely to be created due to the project.

16. **Date of Ground water clearance**: Not Applicable, Water will be provided by MP AKVN.

17. **Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.**

As per Standard ToR

18. **Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions. -** Detailed list of native plants with budgetary allocation will be provided along with EIA report.

19. **Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details-**There are no such water bodies near the close vicinity of the project side.

During initial appraisal of the project, it was observed by committee that it's an existing industry purchased from M/s Namokar specialities Chemicals Pvt. Ltd and located on plot no. 825 and 826, Pithampur IA, Sector-III. However, as per the Google image attached with the TOR presentation and the executive summery sent by PP after scheduling of the project for TOR presentation, the location is shown on plot no. 825, 826 and 827, Pithampur IA, Sector-III. It was noticed from the file that previously PP has obtained TOR from the MoEF&CC on plot no. 825 and 826, Pithampur IA, Sector-III and approached them for PH amendment. Thus PP was asked to rectify the above facts and submit the correct location of the proposed unit. If plot no. 827 is added to the project, revised form-1 with all necessary details such as land allotment, PFR, NOC's etc should be submitted by the PP through SEIAA.

During presentation, PP was also asked to provide the details of the existing unit such as existing machineries, previous products, generated wastes, stored wastes (if any), consent details, any direction issued from the MPPCB, compliance status of the previous consent, any construction taken place to access the violation status but no such details were produced by the PP which are essential for the grant of TOR. Considering above issues, committee decided to carryout site visit and the TOR will be prescribed based on the outcome of the site visit report.

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

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

INTRODUCTION:-

AIM(S) OF THE SCHEME WORK :

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

Location of Scheme:

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

SALIENT FEATURES

1.	**Name of the Scheme**		**HARSUD LIFT IRRIGATION SCHEME**
2.	**Type of Scheme** (Irrigation or Multipurpose)	:	Lift Irrigation Scheme

3.	**Location**	:	
	i) Supply Source	:	ISP Reservoir
	ii) Lifting Point ;	:	ISP Reservoir near Village Nandgaon
	iii) Command		Tehsil Harsud, Distt. Khandwa
3.1	**River Basin**		
	a) Name	:	Narmada Basin
	b) Location	:	Madhya Pradesh Distt. Khandwa
3.2	**River / Tributaries**		Narmada Basin
3.3	**State / District or Tehsils in which following are located**		State District Tehsil
	(a) Lifting Point / Rising Main		M.P Khandwa Harsud
	(b) Command Area		
3.4	**Name of Village near head works** (Lifting Point)		Village Nandgaon, Tehsil Harsud
3.5	**Location of Pump house**		
	(i) Lifting Point		ISP Reservoir near Village Nandgaon Tehsil Harsud
	(a) Longitude		76^0 37’ 45”
	(b) Latitude		21^0 52’ 55”
	(c) List in Earthquake Zone No		Zone-III (Moderate Seismic)
	(i) Level at off take point		R. L. 248.00 meter (Near village Nandgaon)

(ii) Level at Delivery point	R.L. 324.00 meter

3.6 Scheme Area reference

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

3.7 Access to the Scheme

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

4 Interstate aspects of the Scheme

(a) Catchment area of the basin (b) State-wise / Country-wise details of Catchment area (c) Submergence due to Scheme	It is a lift scheme and no balancing reservoir , hence No submergence
(d) Water allocation for the state (if any)	The Quantum of water being lifted for this Scheme is included in the water share of M.P. as per NWDT award
(e) Water allocation for other state	Not applicable
(f) committed utilization	
(i) **Upstream Schemes**	
(a) Scheme Completed (b) Scheme under construction (c) Feature Schemes (d) Any other	As stated above it is as per committed utilization of share of Narmada Water

	(ii) **Downstream Schemes**	
	(a) Scheme Completed	
	(b) Scheme under construction	
	(c) Future Schemes	
	(d) Any other	
	(g) Proposed annual utilization by the Scheme	22.98 Mcm
	(i) Irrigation (surface)	5648 Hectare
	- Rabi	100% (5648 Ha.)
	(i) Irrigation	2.20 cumec
	Total	2.20 **cumec**
5	**Estimated life of the Scheme (years)**	50 Year
6	**Irrigation (ha.)**	
	(a) Gross command area (GCA)	6276 Hectare
	(b) culture able command area (CCA)	5648.Hectare
	(c)Area under Irrigation (break up)	
	(i) Kharif	2372 Ha.
	(ii) Rabi	5648 Ha.
	(iii) Horticulture	170 Ha.
	(iv) Gross irrigated area	8190 Ha.
	(vi) Intensity of irrigation	145%
	(d) Cost per hectare of gross area irrigated	1.38 Lacs/Hact.

7	**Scheme Performance**	
	(a) Irrigation	5648 Hectare
8	**Head Regulator(s)**	Pump House Structure shall be constructed
9	**Canal System**	
	9.1 Rising Main	Canal (Piped) – 8.30 Km
	9.1.1 Purpose of Canal	Irrigation and raw water to villages of command area
	9.1.2 Type	
	(a)Flow	Piped system
	(b) Lined/unlined	Piped system
	(c) Discharge capacity of the Channel above which lining is proposed	Not applicable (Piped Canal)
	(d) Type of lining	Not applicable
9.1.3	Design data	
(a)	Length (km)	Distributory No. =60 Km (Piped)
(b)	Full supply level at head/tail (El-m)	Not applicable as the flow will be pressurized flow
(c)	Full supply depth at head/tail (El-m)	
(d)	Bed width at head/tail(El-m)	
e)	Side slope at head/tail (El-m)	
f)	Bed slope (range)	According to hydraulic gradient
g)	Maximum discharge capacity at head (m^3/s)	2.20 cumecs

h)	Total number of canal structures	NIL except outlets for irrigation & water supply at Appropriates location
i)	Total head losses	4 M
j)	Gross command area (ha.)	6276
k)	Culturable command area (ha.) Net C.C.A.	5648
9.1.4	Distribution system (up to 2.5 hectares)	
		Distributaries and minors (piped)
	(a)Numbers (Minors)	Nos
	(b)Total length (km)	Km
9.2	Efficiencies (percentage)	
	(a) Conveyance	95%
	(b) Field application	84%

This case was presented by the PP and their consultant in 292nd SEAC meeting dated: 16/06/2017, wherein during presentation it was submitted by the PP that no forest land is involved in the project. After deliberations committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA study along with following additional TORs:

1. A detail of the source (quantum of water available, other potential users etc.) from where water is envisaged to be lifted shall be furnished.
2. Places where diversions of nallah/natural drains are proposed should be detailed out in the EIA report.
3. Sedimentation study in the pipe lines including the deposition, scaling etc should be furnished with EIA report along with the methodology proposed for its cleaning.

4. Economic viability and cost benefit analysis be conducted and presented in the EIA report and should also take into consideration environmental/ecological factors.
5. How micro-irrigation technology shall be implemented in this project after the completion of the project should be discussed in the EIA report.
6. The study area for the EIA shall include 2.5 Km area on either sides of the pipeline.
7. Management plan for dug-out material generated during laying / construction of the pipe line / structures.
8. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
9. An inventory of flora & fauna based on actual ground survey shall be presented.
10. As forest land is involved in the project status of FC stage to be clarified with supporting documents.
11. PP should also explore the possibility of reducing proposed power requirement and methods proposed for dealing with back pressure in case of electricity failure should be studied in the EIA report.
12. EIA report should cover impact of anticipated change in cropping pattern and associated activities like horticulture, animal husbandry etc.
13. PP should carry out the public hearing of the site as per the procedure laid down in the EIA Notification, 2006.
14. Ratio of gravity flow and pumping should be studied in the EIA report as 03 pumping stations are proposed in the project.
15. Since all the pumping stations are in remote locations, mechanism of providing power supply to them should be discussed in the EIA report. If fresh HT lines are proposed to be laid down issues such as land acquisition should be detailed out in the EIA report. For lying transmission line, if there is involvement of forest land, same should be added in the FC proposal.
16. Any proposal for alternate power supply. If yes, their details should be discussed in the EIA report.
17. Explore the possibility regarding use of a common pump house for Jawar Micro Lift Irrigation Scheme and Harsud Lift Irrigation Scheme.
18. Risk factors with their management plan should be discussed in the EIA report.

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

The EIA was presented by the PP and their consultant in the 307th meeting dated: 23/2/2018 wherein following details were submitted:

S.No.	Description		Response
1.	Name of the Project & its location		HARSUD MICRO LIFT IRRIGATION

			PROJECT Tehsil – Harsud, District – Khandwa, (M.P)
2.	Name of the Company, Address Tele No. & E-mail		Narmada Division No.25, Narmada Valley Development Authority, Narmada Nagar, District Khandwa – 450119, M.P E-mail: eend25@gmail.com
3.	Latitude and Longitude of the Project		North – 22 ^{o} 0' 42. 77" N, 76 ^{o} 41' 18.65" E South - 21 ^{o} 56' 5. 58" N, 76 ^{o} 42' 30.82" E East - 21 ^{o} 57' 55. 78" N, 76 ^{o} 46' 23.09" E West - 21 ^{o} 57' 26 .47" N, 76 ^{o} 38' 41.98" E
4.	If a Joint Venture, the names & address of the JV partners including their share		N.A
5.	Project brief : nature of proposal (new / expansion) total area – land use, project components, connectivity to the site, etc.		New project Execution of Harsud Micro Lift Irrigation Scheme on Turn Key Basis comprising of Lifting of 0.39 LPS / Ha water for Irrigation in 5648 Ha from Indira Sagar Reservoir for providing water with Micro Irrigation upto 2.5 Ha Chak with residual head of 20 mtrs at 2.5 Ha chak. Culturable command area 5648 Ha Land use – Presently agriculture and shall remain agriculture except at places where construction of pump house 2 nos & break pressure tank 2 nos are proposed to be constructed on Govt. land (3.25 Ha). Project Components – Intake well – 1, Pump House – 2 Nos, Break pressure Tanks – 2 Nos, Raising main pipe canal 3.020 Km approx. Gravity means - pipe canal 22.63 Km. The site is well connected with SH – 15 passing through the command area and two Railway stations Chhanera & Charkhera Khurd are within the command area.
6.	Cost of the project		Rs.113.41 Crore
7.	Whether this 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 (ii) Date of Public Hearing, location (iii) Major issues raised during PH and response of PP (b) Second appraisal (i) Date of first / earlier appraisal (ii) Details of the information sought by the EAC with the response of PP		Yes 24.06.2017 06.01.2018, Village Pratap pura, Teshil – Harsud, District – Khandwa. All those present in Public hearing wanted the project to be executed at the earliest and project proponent assured them that project will be immediately started after taking prior environment clearance No. N.A
9.	If, the project involves diversion of forest land (i) Extend of the forest land (ii) Status of forest clearance		 No.
10.	If the project falls within 10Km of eco-sensitive area (i) Name of the eco-sensitive area and distance for the project site, (ii) Status of clearance from National Board for wildlife		No. N.A N.A
11.	Waste Management (i) Water requirement, source, status of clearance (ii) Waste water quantity, treatment capacity, detail (iii) Recycling / reuse of treated water and disposal (iv) Solid Waste Management		 During construction total 150 Nos of workers shall be engaged. 150 x 45 lpcd = 6750 ltrs and water for construction activities (ground water from existing tube wells and Indira Sagar Reservoir). During operation total 25 Nos of workers shall be employed in three shifts 25 Nos x 45lpcd = 1125 lpd (ground water). Water will be required for irrigation purpose which will be sourced from Indira Sagar Reservoir from the share of Madhya Pradesh i.e 18.25 million acre ft. in terms of NWDT award. Construction period – 6075 ltrs.

	(v) Hazardous Waste Management		Operation - 1012.4 ltrs. Will be disposed in septic tank / soak pit. During construction & operation, organic waste shall be treated by vermi composting and inert waste shall be disposed as per established law. During construction 12090cum of muck shall be generated which shall be used in filling of low lying area in consent with the Gram Panchayat. During operation used oils from the pumps & filters shall be generated which will be disposed to authorized agency.
12.	Other details (i) Noise Modeling with noise control measures for air ports (ii) Details of water bodies, impact on drainage if and (iii) Details of tree cutting (iv) Energy conservation measures with estimated saving (v) Green belt development (20% of construction projects and 33% for others) (vi) Parking requirement with provision made		N.A Spillage of excavated earth during construction of intake well leads to turbidity of Indira Sagar Reservoir and nearby streams. During construction of intake well, the ISR course and the point of contact of intake will be provided with sand bags. No nala or stream passing through the command area. The scheme will not alter the drainage of the area. Apparently, it appears that no tree felling is required. However, if any tree will be impinching directly on works efforts shall be made to avoid it unless and until inevitable, trees shall not be felled. If required, permission from the competent authority shall be taken. N.A N.A

13.	If the project involves foreshore facilities (i) Shoreline study (ii) Dredging details, disposal of dredge material (iii) Reclamation (iv) Cargo handling with dust control measures (v) Oil Spill Contingent Management Plan		N.A
14.	If the project involves Marine disposal (i) NOC from PCB in case of marine disposal (ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9 (iii) Location of intake / outfall quantity (iv) Detail of monitoring at outfall (v) Any other relevant information		N.A
15.	Other information (i) Investment / cost of the project is Rs…. …. (in crore) (ii) Employment potential…… (iii) Benefits of the project		Rs.113.41 Crore (Rupees One hundred thirteen crores & fortyone lakhs only) During construction 150 nos approx. During operation 25 nos approx. • Due to the implementation of the scheme 5648 Ha shall be brought under irrigation. • The project improves total farm output and hence raises farm income. • Direct employment opportunities for 150 persons during construction phase and 25 persons during operation phase of the project. Further, indirectly labour opportunities will be substantially improved since larger area will be brought under irrigation.

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- Overall population of 39938 belongs to 7970 families in the 19 villages of command area will be benefitted directly under the Scheme.

</td></tr>
<tr><td>16.</td><td>Date of Ground water clearance:</td><td></td><td>N.A</td></tr>
<tr><td>17.</td><td>Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost</td><td></td><td>Rs.200 lacs.
<table>
<tr><th>Sl.No.</th><th>Particulars</th><th>Cost (Rs.in Lakhs)</th></tr>
<tr><td>1.</td><td>Air Pollution Control during construction Phase (dust suppression, control of point source and vehicular emission and chimney for DG Set).</td><td>50.00</td></tr>
<tr><td>2.</td><td>Water Pollution Control (Drinking water, sanitation, septic tank & soakpit)</td><td>20.00</td></tr>
<tr><td>3.</td><td>Noise Pollution Control (site baricating, regular maintenance of machineries and equipments, etc.)</td><td>14.00</td></tr>
<tr><td>4.</td><td>Solid Waste Management Plan (Domestic waste collection bins, disposal, treatment & muck disposal)</td><td>55.00</td></tr>
<tr><td>5.</td><td>Occupational Health Management Plan (Personal Protective Equipments)</td><td>45.00</td></tr>
<tr><td>6.</td><td>Compensatory Plantation</td><td>10.00</td></tr>
<tr><td>7.</td><td>Environment monitoring during construction and operation phase.</td><td>6.00</td></tr>
</table></td></tr>
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18.	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.		Budgetary provision for plantation is Rs.10.00 lakhs
19.	Any river / nallah flowing near or adjacent to the proposed mine. If yes, please give details.		No nallah / stream, is present within the command area, Indira Sagar Reservoir is located along the western boundary of the command area. Agni, Tawa, Ghodapachar rivers are the main surface water bodies located near the command area. Tawa river is flowing near the western boundary, Agni river is flowing near southern boundary and Ghodapachar river is flowing near the northern boundary of the command area.

EIA was presented by the PP and their consultant in the 307th meeting dated: 23/2/2018, wherein PP informed that the pipeline will not pass through any residential and forest area. It was suggested by committee that proper earthling should be provided for all the electrical appliances and digging should be minimum 15 meters away from any permanent structure. PP further submitted that all the pumps proposed for this project are HT pumps. After presentation and discussion committee has asked PP to submit response on following:

1. During presentation PP and consultant referred an OM regarding land acquisition the copy of the same should be submitted with its relevancy with the project.
2. Details temporary land acquisition of proposed villages and area (survey report) from where the pipeline will pass and other facilities will be developed.
3. Power input details of main pumps.
4. Occupational health plan for permanent workers shall be submitted.
5. Revised muck management plan with special reference to top soil management.
6. Details of permanent staff for the entire project.
7. An affidavit from the PP that all the electric installments will be earthed properly and digging would be 15 mts away from any permanent structure.
8. Revised EMP as suggested by the committee with bifurcation in capital and recurring cost.

PP vide letter no. 298A/W-327/2017-18 dtd 23.02.2018 submitted reply of the above queries. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC for Harsud Micro Lift Irrigation Scheme for Lifting of 0.39LPS/Ha water, Lifting Point Indria Sagar Reservoir at RL 248m with Culturable Command

Area – 5648, Gross Command Area- 6276 ha,. at Village - Nandgaon, Tehsil - Harsud, Distt. - Khandwa, (M.P.) 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. All the electrical appliances and digging should be minimum 15 meters away from any permanent structure.
10. 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.
11. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.
12. 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.

13. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
14. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
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.
16. 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

17. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
18. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.
19. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
20. Use of Solar Energy should be promoted in the project area where ever possible.
21. 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.
22. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
23. 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

24. A budgetary provision of Rs. 345Lakh is made for Environmental Management Plan . A budgetary provision of Rs. 3.80 is made for implementing Environmental Monitoring Programme during construction Phase and Rs. 2.52 Lakh is for 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.

25. 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.
26. All commitments pertaining to public hearing shall be mandatory on part of PP.
27. 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.
28. 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.
29. 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.
30. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
31. 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.

7. <u>Case No. - 5451/2016 M/s Hindustan Petroleum Corpn. Ltd, Mangalia Pol Depot (Indore), Sanver Road, Mangalia Village, Indore, (M.P.)–453771 Augmentation of existing HPCL POL depot including Additional Product Storage Tankage at Village. - Mangalia, Tehsil. Sanwer, Distt.- Indore, (M.P.) EIA CONSULTANT: M/s EQMS India Pvt. Ltd. Delhi.</u>

The project proposal is for Augmentation of existing HPCL POL depot including Additional Product Storage Tankage at Vill. - Mangalia, The. Sanwer, Distt.- Indore, (M.P.) (Cat. – 6 (b) Project).

Brief Description Project Area & LAND

- The proposed project falls under the industrial area and there is no processing involve in this project. The transportation of material for storage purpose thru railway siding and also depend on existing pipeline form BPCL terminal.
- Mangliya industrial area is situated beside A.B. Road near Mangliya village 13 km away from Indore.
- In this area mainly medium major scale industries are established like dairy plant, solvent extraction, vegetable oil refinery, Vanaspati plant and Storage of petroleum product.
- Total No. of industries registered in the board are 13 out of which red category units are 11 and green are 02.
- The latitude and longitude of proposed site is 22° 48”56.70’N and 75 °55”7.51E.

Existing Facilities at Indore IRD Installation:

- Existing Capacity of Plant-18,450 KL Product & 2000 KL Water
- 12 Nos of above ground Storage Tanks
- 4 Nos U/G Tanks for MS, ethanol & SKO , 4 Nos A/G Horizontal tanks (LDO, FO).
- 1x8 Bays + 1x2 bays T/T Gantry
- Pump Houses, Admin building and other allied facilities.

Proposed Facilities:

- Proposed Capacity 42600 KL Product & 8000 KL Water.
- Dismantling of all tanks, Gantry, Pipeline, Pump house.
- New facilities proposed:. Tanks-20 no. of varying capacity, TT Gantry (two rows of 8 bay), pump house, and Fire fighting lines/facilities other support facilities and infrastructure facilities like approach roads, Pump Houses, Admin building, and vehicles parking area, ETP etc.

Existing Tanks with Quantity

Sl.No.	Class	Material	No of Tank	Quantity (KL)
1	C	FO/LDO	5	780.00

2	A	Hexane/MS ULP	8	4,500.00
3	B	HSD/SKO/ATF	8	13,170.00
TOTAL			**21**	**18,450.00**
4	NA	Water (Fire Fighting)	2	2,000.00
		Total	**23**	**20,450**

Proposed Tanks with Quantity

Sl.No	Class	Material	No of Tank	Quantity (KL)
1	C	Bio Diesel	2	3,100.00
2	A	Hexane/MS Ethanol	7	11,680.00
3	B	HSD/SKO/ATF	9	27,820.00
TOTAL			**18**	**42,600.00**
5	NA	Water (Fire Fighting)	2	8,000.00
		Total	**20**	**50,600.00**

The case was presented by the PP and their consultant wherein during presentation it was observed from the Google image that that the existing site is surrounded by number of industries existing in the nearby area, village on the east and southern side and two other depot of IOCL and BPCL on the western side and primarily site seems to be unsuitable for the proposed augmentation.

The case was earlier discussed in the 285th SEAC meeting dated 26/1/2016 wherein it is recorded that committee after deliberations asked PP to first submit site feasibility study report for further expansion through modeling or other techniques as site is surrounded by other industrial units, bulk storage depots of IOCL & BPCL and village area with respect to following for consideration of TOR:-

1. During presentation it was submitted by PP that some existing facilities will be dismantled thus it should precisely be submitted that which facilities will be dismantled and facilities that will remain intact.
2. Proposed protection plan for the HPCL Plant and additional measures proposed for the protection of neighboring plants and village area.
3. Alternate sites should also be examined and discussed in the site feasibility study report.

PP vide letter dated 31/01/2017 has submitted the query reply which was forwarded by the SEIAA vide letter no. 5265/SEIAA/17 dated 13/02/2017.

The case was presented by the PP and their consultant in the 287th SEAC meeting dated 25/02/17 wherein PP submitted that all the existing storage tanks will be dismantled. PP further submitted that new terminal will be provided with state of the art automation and safety system fully confirming to OISD standard 244. PP also informed that due to existing infrastructural facilities such as railway siding which is shared by all the three existing terminals, this site is suitable for expansion and they have also carried out comprehensive quantitative risk assessment (QRA) and based on the report adequate measures are proposed for protection of HOCL terminal, neighboring terminals and village area. PP requested that they have started collecting the data from October, 2016 and may be allowed to use them in the EIA which was agreed by the committee. Committee after deliberations decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's:-

1. EIA studies should be carried out considering the proposed master plan of the Indore city.
2. Any natural drainage nearby the facility should be protected and the detailed protection plan from any spillage should be discussed in the EIA report.
3. PP should provide the details of existing trees and plan for proposed green belt with area, name of species and their number in EIA report.
4. No parking will be allowed outside of the terminal premises. PP should submit detailed parking plan and traffic management plan considering the peak load in the EIA report.
5. Details of the plans to meet out crises such as fire accident to be furnished & presented in the EIA report.
6. Additional measures proposed for the protection of neighboring plants and village should be discussed in detail in the EIA report.
7. Details of existing on-site / Off-site emergency plan and the proposed modification in view of expansion to be submitted.

8. Details of existing Safe Guards (Environmental as well as safety) and the proposed augmentations to be presented in the report.
9. Study of the ground-water regime with specific reference to oil & grease shall be incorporated in the EIA study.
10. During presentation it was submitted by PP that some existing facilities will be dismantled thus it should precisely be submitted in EIA report that which facilities will be dismantled and facilities that will remain intact on layout map.
11. Proposed protection plan for the HPCL Plant and additional measures proposed for the protection of neighboring plants and village area.
12. Details of various alternate sites considered for the project be included in the EIA report.
13. Pre-dominant wind direction to be ascertained and accordingly the Safety & Environment Management Plans prepared and reported.
14. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.
15. Compliance report of consent conditions from Regional Officer, M. P. Pollution Control Board, Indore should be submitted with EIA report.

PP vide letter dated 29/03/2017 has submitted a request which was also forwarded by the SEIAA vide letter no. 212/SEIAA/2017 received on 17/04/2017 for seeking exemption from public hearing which was placed before the committee for discussion in 289th SEAC meeting dated 28/04/2017. Committee on perusal of the request observed that PP has stated that the proposed project is coming in existing Manglia Industrial Area and as per OM No. J-11013/36/2014-IA-1 dated 10/10/2014 & amendment dated 04/04/2016 public hearing is exempted to all projects located within the industrial estates which were notified prior to 14th September, 2006 i.e. However, PP has not attached any documentary evidence in support of their claim that Manglia Industrial Area was notified 14th September, 2006 except copy of land allotment letter for Hindustan Bulk Petroleum Depot. Thus committee after deliberations decided that PP should either provide documentary evidence in support of seeking exemption or carryout public hearing of the site as per the procedure laid down in the EIA Notification, 2006.

PP has submitted the EIA report vide letter dated 12.11.2017, which was forwarded by SEIAA vide letter no. 1242 dated 01.02.2017. PP again submitted the EIA report vide letter dated 06.12.2017 and the same was forwarded by SEIAA vide letter no. 1337 dated 11.12.2017.

The case was presented by the PP and their consultant in 301st SEAC meeting dated 21/12/2017. During presentation committee asked PP and consultant regarding twice

submission of EIA report and difference thereof for which PP submitted that both the EIA's are identical and this happened because one EIA was submitted by PP and other copy was submitted by consultant. After presentation, PP was asked to submit response on following:

1. Detailed Land Use plan should be submitted compared with existing & proposed plant & machineries and green belt area.
2. Nearby nallah protection plan with its budgetary allocation.
3. Fire protection plan from electrical fire.
4. Water demand will be meet trough bore well for which permission from CGWB should be obtained. PP should provide the status of application made for its permission.
5. Detailed tabulated chart of the inter distance of the facilities proposed and how they confirm to relevant standards.
6. Dismantling is proposed in phased manner. Thus phase wise dismantling plan should be submitted.
7. C&D Waste Management Plan as lots of dismantling activates are proposed in this project.
8. 12 KLD water is proposed for this expansion which seems to be too high. PP should submit backup calculations of 12 KLD water requirements.
9. Status of current ground water table and its seasonal variations.
10. Justify why only 4.04KM area is considered for monitoring as no monitoring locations are selected beyond this distance.
11. VOC in ambient air and Oil & Grease values in ground water should be submitted as during public hearing issue of Oil & Grease was raised.
12. Detailed green belt development plan with species and their numbers specifically addressing plantation near nallah and boundary wall.
13. Wind Rose comparison with primary and secondary data.
14. In public hearing concluding remarks, authorites have not recommended the site for the proposed expansion considering its proximity to the habitations. Thus PP should justify the site suitability wrt issued raised in Public Hearing.
15. Details of RWH plan with justification of recharge potential and drawl of GW.
16. Details of EMP & CSR Cell in the chart form should be submitted by PP.
17. Details of first aid facilities which will be made available on site and nearby areas.
18. Detailed rescue plan in case of accident/emergency as site is surrounded by habitations.
19. Bifurcation of budget for CSR & EMP in capital & recurring cost.

PP vide letter dated 20/02/2018 has submitted the reply of above queries. The query reply was presented by the PP and during presentation & discussion PP submitted that the duration for demolition activity will be over period of 32 months and 1.3 MT /day of C&D waste will be generated & disposed off as per the approved protocol. However, PP and their consultant could not explain the some of the quarries in detail thus committee asked PP to submit response on following:

(a) In the existing and proposed layout, the drain area & other area are tabulated together and thus the area occupied by the drain is not clear. Thus PP was asked to submit both the area separately.
(b) Proposed budgetary allocations for nearby nallah protection.
(c) Commitment of PP for Zero Waste Discharge.
(d) Commitment of PP for disposal of excess C&D waste through Municipal Corporation.
(e) Ground water table details for pre monsoon and post monsoon seasonal flu actions.
(f) Location of RWH pit properly marked on Layout Plan.
(g) List of first aid trained and fire safety persons with their corresponding certificates.
(h) Commitment of PP for carrying out annual environmental audit.

PP vide letter dated 23/02/2018 has submitted the reply of above queries and committee after reviewing the submission made by PP found satisfactory and acceptable hence the case was recommended for grant of prior EC for M/s Hindustan Petroleum Corpn. Ltd, Mangalia Pol Depot (Indore), for , Augmentation of existing HPCL POL depot including Additional Product Storage Tankage at Village. - Mangalia, Tehsil. Sanwer, Distt.- Indore, (M.P.) subject to the following special conditions:

(A) PRE-CONSTRUCTION PHASE

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. During demolition of pre-existing structures dust suppression, regular sprinkling of water should be undertaken.
3. Signboard of the proper size should be displayed at the appropriate places related to Do's and Don'ts at the time of civil or mechanical hazards/gas or liquid leakage.
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. Land use breakup details as proposed by PP for this facility are as follows:

DESCRIPTION	UNIT	AREA
ROAD AREA	Sq.m	15,779.62
BUILDING AREA	Sq.m	2,169.44
TANK AREA	Sq.m	13,075.59
PARKING AREA	Sq.m	16,656.77
DRAIN AREA	Sq.m	1080.00
OTHER AREA	Sq.m	3810.19
GREEN BELT AREA	Sq.m	26,667.5
TOTAL AREA OF HPCL	Sq.m	78,159.11

8. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
9. Zero liquid discharge should be maintained by the plant.
10. Fire extinguishers should be provided on- site during construction/ plant erection period.
11. 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.
12. 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.
13. DG sets shall be provided with acoustic enclosures to maintain the noise level within the prescribed limits.

14. 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.
15. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
16. MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
17. 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.
18. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.
19. In such highly Units where highly flammable material is dealt where workers might be exposed to uncontrolled electrical, mechanical, hydraulic, or other sources of hazardous energy if equipment is not designed, installed, and maintained properly. So, such operating procedures must be developed and implemented to ensure safe operations.
20. The overall systems for tank filling control should be of high integrity, with sufficient independence to ensure timely and safe shutdown to prevent tank overflow.

(C) POST CONSTRUCTION/OPERATIONAL PHASE

21. Fire/smoke detection devices should be fitted all around the depot.
22. Plantation shall be carried out by the PP as per submitted plan in the command area or on available degraded land.
23. The total water requirement will be 10 KLD.
24. Use of Solar Energy should be promoted in the project area where ever possible.
25. 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.
26. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
27. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
28. Workers in such industry are generally susceptible to various health and chemical hazards (toxic, corrosive, carcinogens, asphyxiates, irritant and sensitizing substances);

physical hazards (noise, vibration, radiations, extreme temperature); biological hazards (virus, parasites, bacteria); ergonomic hazards (manual handling activities, repetitive motions, awkward postures); and psychosocial hazards (overwork, odd working hours, isolated sites, violence) so regular occupational health check should be done on regular basis .

(D) ENTIRE LIFE OF THE PROJECT

29. A budgetary provision of Rs. 0.94 Lakh is made for Nallah maintenance with the provision of stone pitching, drain bund repairing, and cleaning of nallah twice in a year. For Environmental Management Plan a budgetary provision of Rs. 58.5 lakh as capital cost and provision of Rs. 15.5 lakh as recurring cost. 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.
30. Total area available for Greenbelt is 2.63 ha on which 2630 nos. Trees are to be planted and for which Total Budget for 5 year = 48.86 Lacks was estimated by the company.
31. Approximately 4.00 crore liter per annum, rain water will be harvested in the plant premises.
32. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
33. All commitments pertaining to public hearing shall be mandatory on part of PP.
34. All safety provision should be followed as prescribed in the Petroleum & Explosives Safety Organization.
35. 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.
36. 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.
37. 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.
38. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

39. On- site & Off - site management plan should be properly prepared as per Schedule in the MSHIC Rule 1989.
40. Being it is a MAH unit hence mock drill will be conducted twice in the year as per norms made in the MSIHC Rule 1989.
41. Awareness campaign should be promoted in within premises/and surrounding area and
42. Also Safety day, World Environmental day, World Disaster day should also be observed by the Unit.
43. 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.

8. Case No. - 5651/2018 M/s D.G.Minerals Pvt. Ltd, 158, Third Floor, Zone-II, M.P.Nagar, Bhopal – 462011 Prior Environment Clearance for Granite Deposit in an area of 6.00 Ha Production Capacity- 3874 TPA (Khasra no. 231 Part, 250) at Village- Pratappura , Tehsil - Lavkushnagar, Dist. Chhatarpur (MP).Env. Consultant – Creative Enviro Services, Bhopal

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. 231 Part, 250 at Village- Pratappura, Tehsil - Lavkushnagar, Dist. Chhatarpur (M.P.) 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 Inspector vide letter dated: 06/5/2017, has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presentated by the PP and his consultant. After presentation and the submissions made by the PP reveals following:

1. The mine is being proposed with open cast OTFM method with use of wire saw and Gali Toda method
2. During the PPT, it was reported that the mine is on small hillock having 11mt elevation diffirence.
3. Mine is surrounded by the agricultural land, habitation (600m) and seasonal nalla (150m)
4. Resrve detail has been discussed and found sataisfactory, which is as per the approved mining plan. Geo technical details were also discussed and found satisfactory

5. As reported that water table is around 65 mt Bgl and ultimate depth of working is proposed 26 mt bgl, hence water table will not be intersacted.
6. PP has proposed to construct retaining wall with garland land all around the down slope of hillock to prevent the silt flow

Environment Setting

Particulars	**Details**
Locations	
Village	Pratappura, Tehsil- Lovekush Nagar, Dist Chhatarpur (MP)
General ground level	166m
Nearest State Highway	Lovekush Nagar – Mahoba SH - E - 3.30 km
Nearest Railway Station	Chitahri RS - 12.0km
Nearest Airport	Khajuraho - 38 km
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None
Reserved / Protected within 10km radius (Boundary to boundary distance)	Lauri PF - E - 3.00km Jaraha PF - N - 2.00km Bairagarh PF - NE - 9.00km
Nearest major city with 100000 population within 10km radius	Nil
Nearest Town / City within 10km radius	Lovekush Nagar - ESE - 3.75km
Nearest Village	Bajaura - SSW - 0.60km
Nearest River	Umral River - S – 7.25km Dondar N - NW - 1.00km Kali N - N - 2.25km Jamhur N - E - 1.25km
Nearest Nalla	Man Sagar – SE - 5.05km Canal - S - 4.75km Local Nalla - SE - 0.150km Local Nalla - SE - 0.750km
Other quarries within 1km radius	01
Industry	None within 10km radius

Co-ordinate of lease area

COORDINATE	**PILLAR NO. 1**	**PILLAR NO. 2**	**PILLAR NO. 3**	**PILLAR NO. 4**
Latitude	25° 09’ 25.1”	25° 09’ 28.2”	25° 09’ 29.2”	25° 09’ 33.8”
Longitude	79° 58’ 04.6”	79° 58’ 05.1”	79° 58’ 03.7”	79° 58’ 05.6”

COORDINATE	**PILLAR NO. 5**	**PILLAR NO. 6**	**PILLAR NO. 7**	**PILLAR NO. 8**
Latitude	25° 09’ 35.3”	25° 09’ 32.1”	25° 09’ 31.6”	25° 09’ 26.6”
Longitude	79° 58’ 00.2”	79° 57’ 56.2”	79° 57’ 53.7”	79° 57’ 53.1”
COORDINATE	**PILLAR NO. 9**			
Latitude	25° 09’ 29.2”			
Longitude	79° 57’ 56.2”			

It was repoted by the PP that

- The lease area of 6.0hectares is granted in favour of M/s D. G. Minerals Pvt. Ltd for 30 year.
- No other lease area are located within 500m radius
- The lease area is defined as govt waste land
- The scheme of mining with progressive mine closure plan has been approved by DGM, Bhopal

Sailent Feature Of The Lease Area

Particulars	**Details**
Type of Mine	Open Cast
Mining Lease Area	6.0ha
Mineable Area	5.0490 ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Infrastructure and road	Nil
Mineral Storage	Nil
Plantation	Nil
Total Minable Reserve	229744 m3
Proposed Capacity	1462.00m3 per year/3874.00 TPA
Method of mining	Mechanised
Ultimate Depth of Mining	26m bgl (150m MSL)
Expected Life of Mines	191 years
mode to transportation	Road
Area to be covered under dumps in proposal period	Nil
Area covered under pit in conceptual period	5.0490 ha

Area to be reclaimed by conceptual period	3.0 ha
Area to be rehabilitated by afforestation in CP	3.356 ha
Area to be covered under water reservoir	1.7380 ha
Ground water table	65m bgl (111 m MSL) to 70m bgl (106m MSL)
Assumed per day production	5 m3
Per day dumper requirement with capacity	1 dumper per day, capacity 0f dumper 7 m3

GEOLOGY OF THE MINE

MINING DETAILS
Geology and deposit appraisal
The applied area has Granite exposure on surface and depth wise the Granite occurrence is noted in the bore holes. The bore holes have been explored for Granite block mining and Granite continuity has been reported from 189m to 150m i.e. average 30m thick deposit over the sanctioned area. From recovery point of view, average recovery of blocks in Granite formation is 20% of Granite Zone. Keeping the present information and geological consideration, the whole area is considered mineralized up to ARL 150 m

Summarised of geological reserves and mineable reserves	
Particulate	Details
Total probable reserve – 332	1800000.00 m^3
Total probable reserves (332) – 20% granite	360000.00 m^3
Mineral block under ore blocked in barrier zone area - 1268x 7.5x 28x 20%	53256.00 m^3
Mineral block under ore blocked in slope –350m2 x 1100 m x 20%	77000.00 m^3
Total blocked minerals - 222	130256.00 m^3

Balance probable reserve – 121 = 360000 – 130256	229744.00 m^3
Proposed production capacity	1462.00 m3 per year/3874.00 TPA
First five year production	6017.00 m3
Balance reserves = 229744– 6017	223727 m3
Hence mine life – balance Reserve /Production = 223727/1462=5+153	158 years

Mining Method

- Proposed mining method is Block Mining by adopting the Gali Toda method by using help of wire saw, LD-4, Jack Hammer, Hydraulic Jack, Compressor, Tata Hitachi Shovel excavator and Crane.
- The individual bench faces will be kept nearly vertical (80° - 85°) while the pit slope will be less than 45°.
- The south eastern part of the applied area will be developed from ARL 185 m to 169 m and by the end of five years, there will be three benches of each avg. 5 m in height. Width of benches will be as per DGMS requirements and not less than the height where as Granite bench length will be as per production requirements.

PRINCIPLE OF BLOCK MINING

- Selection of suitable block which has physical quality color, grain size, polish behavior with the diamond tools and concern block should be without cracks and fractures.
- The principle of block mining is to get three free faces known as the Gali (along the strike) and Toda (across the strike). The basic purpose to prepare the Gali and Toda is to get proper space for block cutting in L shape (combination of Gali and Toda) therefore first Gali and then Toda is developed which is localized for proper functioning of wire saw machine approximately 3 - 6 m space.
- After getting the L shape vertical and horizontal hole, required depth or height of the bench then making the thread alignment in the rectangular shape the holes are drilled with LD-4 portable DTH drill machine. After getting the bore hole drilled then diamond wire saw machine to cut the bottom with diamond pearls followed by both vertical cuts making rock free from all the sides and now this block is pushed with help of pneumatic bags or water bags with hydraulic jack ‘Power jack’ and cut down blocks are lifted to the

surface by crane or pock land machine and waste material is kept at required places with the help of dumpers/ tractors.

- During this proposal period, the applied area will be developed with one single quarry i.e. 0.3986 ha and at the end of conceptual period about 5.0490 ha will be developed with ultimate depth upto 150m MSL.

Period	**Pit/ quarry no.**	**Average surface area**	**Average bottom area**	**Average depth - m**	**Surface MSL**	**Pit bottom MSL**
At the end of SOM period	Pit/ quarry no. 1	3986 m^2	-	10-12 m (on a sloping topography)	189-176 m	169 m
At the end of CP period	Pit/ quarry no. 1	50490 m^2	27694m2	28-30 m (on a sloping topography)	189-176 m	150 m

Existing and proposed land use plan

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	Nil	5.0490
2.	Dumps	Nil	Nil
3	Infrastructure & Roads	Nil	Nil
4	Mineral storage	Nil	Nil
5	Plantation Area	Nil	0.045
6	Un worked area	6.0	0.906
	Total	6.00	6.00
1	Reclamation	Nil	3.00

2	Plantation	Nil	3.356 (6712 no.)
2.1	Backfilled area	Nil	3.0 (6000 no.)
2.2	Bench Afforestation	Nil	0.311(622 no.)
2.3	Barrier zone	Nil	0.045(90 no.)
3	Water body	Nil	1.7380

WATER MANAGEMENT

Spraying of water over haul road for Dust suppression Length of road –1000m , (6mt width) 100m X 6.0m = 6000Sqm No. of tankers required – 01 Tanker capacity – 10.0KL	OB per day – 19.5 M3, dumper capacity – 4M3, working hr/day – 9 hrs, dumper required per day – 5 no, movement per hr –5/9= 0.55 no. per hr Water Requirement @ 1.0lit per Sqm Hence 6000sqm @1.0 lite = 6000.0 liter per trip One trip per hours of water tanker and 5 trip of water tankers per day =6KL/trip X 5 = 30KLPD
Spraying of water over Transport road for dust suppression Length of road –2100 m, (6 mt width) 2100m X 6m = 12600 SQM No. of tankers required – 01 Tanker capacity – 15.0KL	Production per day –5 m3, dumper capacity – 7 M3, working hr/day – 9 hrs, dumper required per day – 1 no, movement per hr – 1/9 = 0.11 no. per hrs Water Requirement @ 1.0lit per Sqm Hence 12600 Sqm @1.0 lite = 12600.0 liter per trip (It is proposed that after every day. there will be movement of one dumper on road) One trip per day of water tanker Total water required per day = 12.6 KL/trip X 1 = 12.6 KLPD
Water requirement for green belt development	Plantation area 33560 sqm (@1.0lit/sqm) avg 10000sqm per day = 10.0KL/day

Domestic water requirement @45lit/person	Total worker – 15@45lit = 0.675 KL/day @ 0.700 KL /day
Wire saw cutting	10.0kl
Recycling from wire saw	7.0kl
Total water required per day	Dust suppression – 42.6.KL Domestic use – 0.700kl Green belt development – 10.0kl Wire saw – 3.0kl Drilling – 3.0kl Total – 59.3KL
Water requirement per year	59.3@300 = 17790.00KL

Availability of water for different uses

S. no.	Settling tank no.	Size	Capacity in KL
1	PST-1	60mL x 20mW x 5mD	5000.00
2	PST-2	80mL x 20mW x 6mD	9600.00
3	PST-3	80mL x 20mW x 6mD	9600.00
4	PST-4	65mL x 20mW x 5mD	5600.00
5	PST-5	80mL x 20mW x 6mD	9600.00
	Total		39400 KL

SOLID WASTE MANAGEMENT

- Topographically of applied area is a part of hilly terrain, the north western part of the area is steep where as south east part is moderately undulating.
- The production from ore zone is only 20%, hence mine waste is taken as 80% in the form of weathered granite.
- During the proposal period about 24063 cubic meter mine waste will be generated and same will be dumped in Southern part of lease area, which will be cover about 0.25 ha area with height of 10m.
- At the end of conceptual period total 936064 cum mine waste (24064 + 912000cum) will be generated and same will be used for backfilling of 3.0 ha area with depth of avg 31m.
- The land use pattern of lease area will be changed at conceptual period whereas change in land use pattern of buffer zone is not envisaged.
- During the proposal period, the generated mine waste i.e. unsized blocks will be used as minor mineral in future. In due course of time the applicant will apply for use of such siliceous waste material (Unsized Blocks) under minor mineral use mentioned in MPMMR 1996 and after getting the permission this siliceous waste material (Unsized Blocks) will put under crusher for desired size and sold to the end users. In the event of no such permission, it will be dumped in the applied area in eastern direction

BIOLOGICAL PLAN

- Proper handling of mineral and overburden will reduce fugitive emissions and hence minimal impact is expected on surrounding flora and fauna inclusive of agricultural species due to deposition of dust
- Proper implementation of green belt development programme as given in the report
- Aerial light and horning activities should not be allowed in the night to create disturbance even for the domestic and non scheduled faunal elements.
- Plants of large sized tree species will be planted at a spacing of 10m and between any two plants of large size tree, three (03) plants of small sized tree/shrub species, will be planted. The selection of species will depend on the availability of quality planting material. Following species will be planted both side of road:
  Large tree species: Mango, Neem, Jamun, Imli, Mahua, Gulmohar etc

  Small tree species: Karanj, Aonla, Amaltas, Bael, Sissoo, Kachnar etc

Year	**Area (in sq mt)**	**Number of Plants**
1st	450 + 2100m (Transport road side)	90+ 820 = 910
5th to CP	33110	6622
Total	33560 + 2100 m	**6712 +820= 7532**

Proposed Plantation Detail		
Description	**Qty**	**Location**
Forest Trees		
Neem	950	Along the lease Boundary in mine premises and along the road
Mahua	700	
Bans	500	
Ornamental Trees		
Amaltash	700	Along the transportation road/ in premises
Gulmohar	500	Along the transportation road/ in premises
Satparni	500	Along the lease Boundary in mine premises

Ashoka Tree	500	Along the lease Boundary in mine premises
Fruit Trees & Ornamental		
Awala	100	At the down side of hillock and along the dump
Mango	500	At the down side of hillock, Along the dump
Jamun	500	At the down side of hillock and along the dump
Emli	325	At the down side of hillock,
Commercial value Trees		
Sisam	1000	Along the lease Boundary in mine premises
Sissoo	750	Along the lease Boundary in mine premises and road
TOTAL	**7532**	

Budget Allocation for Plantation

S. No.	**Head**	**Qty**	**Rate (Rs.)**	**Amount (Rs.)**
	Within lease area			
1st	Saplings, with soil work and pesticides	90	350/-	31,500/-
5th to CP	Saplings, with soil work and pesticides	6622	350/-	23,17,700/-
	Total	**6712**		**30,18,750/-**
	Along the transport and haul road and along the dump			
1st year	Saplings, with soil work and pesticides and tree guard	820	500/-	41,00,00/-
	Total	**820**		**41,00,00/-**

	Grand total			**34,28,750/- (34.28lakh)**

ENVIRONMENT IMPACT & MANAGEMENT: Ecology: Stage Wise Cumulative Plantation										
REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	**Unworked area green belt**		**Backfilled area**		**Bench**		**Inside dump**		**Total**	
	Area (Ha)	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**Trees**
Present	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
1st	0.045	90	-	-	-	-	-	-	0.045	90
5th to conceptual period	-	-	3.0	6000	0.311	622	-	-	3.311	6622
Total	**0.045**	**90**	**3.0**	**6000**	**0.311**	**622**	**-**	**-**	**3.356**	**6712**

SOCIO ECONOMIC MEASURES

Proposed CRS Activities					
SN	**Plan**	**Activity**	**Place of activity**	**Capital (Rs in lakh)**	**Recurring (Rs in lakh)**
1.	Promotion of quality education	(A) Computer education: providing at least 02 computers in nearby middle school at Pratappura Village and providing facilities of teacher for computer education and basic education. (B) Providing financial support to the village school.	Nearby Village School (04no.) Computer @ Rs. 25,000 Teacher @ Rs. 10000/month. (weekly per school) Need based support for building repairing,	1.00 1.00	1.20 1.00 0.10 (for light and maintenance for computers)

		(C) Computer Room with light arrangement (D) Scholarship of 5 students for higher education	toilets, fresh water supply etc through Gram Panchayat / Gram Sabha		2.00
2	Vocational training	Skill development center established at Pratappura Village for youth, woman's i.e. motor winding training, stitching training for woman and girls	Yearly	5.00	1.50
3	Play ground	To developed play ground after provide ding land by	Yearly		0.50
4	Need base activities under CSR	To provide fund through Collector/gram panchayat as per demand	Yearly		6.00
	Total			7.00	13.30

S. No.	Environmental Attributes	Locations	Parameters	Period and Frequency
1	Ambient Air quality	1. Pratappura Village 2. Near forest area 3. Bajaura 4. Haul road 5. Dump 6. Mine office 7. Junction point of road 8. Near working area	PM_{10}, $PM_{2.5}$, SO_2, NO_2, CO and as directed by MPPCB	24 hr. average samples every month
2	Ground water	1. Hand pump of Pratappura, 2. Hand pump of Bajaura 3. Hand Pump at Mine site	Drinking Water parameters as per IS 10500	Pre Monsoon and Post Monsoon
3	Surface water	1. Mine pit 2. Settling tank	pH, conductivity, Alkalinity, TS, TDS, TSS, Total hardness, Cl, SO_4, Ca, Mg, K, Na, Fe, F, P, NO3,	Pre Monsoon and Post Monsoon
4	Ambient Noise	mine site (near the working pit	dB (A) levels	Hourly day and

		during excavation, drilling, and around the lease periphery)		night time Leq levels every quarter
5	Mines discharge into drains	Settling pit & garland drain of lease area	pH, conductivity, Alkalinity, TS, TDS, TSS, Total hardness, Cl, SO_4, Ca, Mg, K, Na, Fe, F, P, NO3, Silica	Pre and Post Monsoon
6	Soil Quality	In and around the site (specially agricultural land)	pH, Organic matter, NPK, conductivity, WHC, Moisture, heavy metal	Annual

Time Bound action Plan for Implementation of measures of EMP

Activity	**Action Plan**
Water spraying over on the haulage roads & services road	During development and operation of mine
develop green belt around periphery and along the road	Immediate (may be started from coming monsoon)
Cleaning and maintenance of Garland drain	Before and during monsoon
Maintenance and Construction of retaining wall along the dumps	During development and operation of mine
Provision and compulsory use of Dust mask, ear plugs, safety shoes and other PPE to all workers	During development and operation of mine
Regular health monitoring (ones in a year) of workers	During development and operation of mine
Provision of rest shelters for mine workers with amenities like drinking water, fans, toilets etc.	During development and operation of mine
Socio economic measures	During development and operation of mine
Air pollution control measures	Immediate and progressive
Water pollution control measures	Immediate continual
Noise control measures	Immediate continual
Ecological preservation and upgradation	Immediate & Progressive

The EIA/EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Granite mining lease in an area of 6.00 ha. for 3874 TPA at Khasra No. 231 and 250 at Village – Pratappura Teh-lovekush nagar, Distt-Chhatarpur- (M.P), subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

8. Blasting shall be carried out as per the approved mine plan to fracture the granite block only as submissions made by the PP during presentation.
9. Retaining wall along with drain shall be provided all around the down side of the hillock
10. Settling tanks and pits shall be provided for proper settling time. The accumulated silt (containing silica also) shall be used for back filling and till than store in RCC lined tank.
11. Over Burden shall be used for the beneficial uses and shall not be stacked within or ouside of the lease.
12. Approach road to the mine site shall be made pucca and be maintained properly by the PP to control fugitive emissions.
13. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 6712 no’s of trees will be planted along and within the ML. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

14. Transportation of material shall be done in covered vehicles.
15. Transportation of minerals shall not be carried out through forest area.
16. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the DGM/IBM.
17. Garland drains 324mt L X 1.0mt D X 1.0m W, 302mt L X 1.0mt D x 1.0m W , 176mt L X 1.0m D x 1.0m W , 261mt L X 1.0m D x 1.0m W, 223mt L X 1.0m D x 1.0m W, 223mt L X 1.0m D x 1.0m W, 544mt L X 1.0m D x 1.0m W, 189mt L X 1.0m D x 1.0m W, 85mt L X 1.0m D x 1.0m W, 296mt L X 1.0m D x 1.0m W with 20settling pits should be provided to avoid silt discharge. Five settling tanks (60mL x 20mW x 5mD, 80mL x 20mW x 6mD, 80mL x 20mW x 6mD, 65mL x 20mW x 5mD & 80mL x 20mW x 6mD) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
18. Water sprinkling through tankers should be provided on 1000meter long and 6 meter wide haul road. However, regular water spraying should also be practiced on 2000 meters long and width 7.50 meters wide transport road for dust suppression.
19. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
20. The existing and proposed land use plan of the mine is as follows:

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	Nil	5.0490
2.	Dumps	Nil	Nil
3	Infrastructure & Roads	Nil	Nil
4	Mineral storage	Nil	Nil
5	Plantation Area	Nil	0.045
6	Un worked area	6.0	0.906
	Total	6.00	6.00
1	Reclamation	Nil	3.00
2	Plantation	Nil	3.356 (6712 no.)
2.1	Backfilled area	Nil	3.0 (6000 no.)

2.2	Bench Afforestation	Nil	0.311(622 no.)
2.3	Barrier zone	Nil	0.045(90 no.)
3	Water body	Nil	1.7380

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

(C) ENTIRE LIFE OF THE PROJECT

26. The proposed EMP cost is Rs. 88.55 lacks and Rs. 33.59 lacks /year are proposed as recurring expenses out of which Rs. 34.39 lacks is proposed for green belt development inclusive of green belt along transport road and Rs. 1.37 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
27. Under CSR activity, Rs. 7.00 lacks and Rs. 13.30 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
28. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
29. A separate 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.
30. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
31. 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.

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

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 593 Part,) at Village- Lavkushnagar, Tehsil - Lavkushnagar, Dist. Chhatarpur (MP) 6.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Assistant Mining Officer vide letter no. 1467 dated: 02/6/2017, has reported that there are 02 more mine operating or proposed within 500 meters around the said mine with total area of 11.750 ha including this mine.

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.

10. Case No. - 5631/2017 Shri Umakant Patel, Village - Kakaiya, Dist. Mandla, MP – 492009 Prior Environment Clearance for Dolomite Mine in an area of 5.11 Ha.. (66479 ton per annum) (Khasra no.1448, 1449, 1450, 1452, 1454) at Village- Kakaiya, Tehsil - Bichhiya, Dist.) Mandla (MP)

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no.1448, 1449, 1450, 1452, 1454) at Village- Kakaiya, Tehsil - Bichhiya, Dist.) Mandla (MP) 5.11ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 1039 Dated: 24/09/2015 has reported that

there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 09.74 ha including this mine.

Earlier this case was scheduled in 308th SEAC meeting dated 24/2/18 wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

1. During the PPT, it was reported that the mine is having 5mt elevation diffirence.
2. Mine is surrounded by the agricultural land, habitation (400m), canal (250m) and seasonal nalla (400m).
3. Resrve detail has been discussed and found sataisfactory, which is as per the approved mining plan. Geo technical details were also discussed and found satisfactory.
4. As reported that water table is around 30-40 mt Bgl and ultimate depth of working is proposed 22 mt bgl, hence water table will not be intersacted.
5. PP has proposed to construct retaining wall with garland land along the lease bouandry to prevent the silt flow.

The presentation and the submissions made by the PP reveals following

Environment setting

Particulars	**Details**
Locations	
Village	Kakaiya Tehsil- Bichhiya, Dist - Mandla (MP)
Height above mean sea level	457-452m MSL
Nearest State Highway	Bahmni- Anjaniya PWD road – 0.60km - N
Nearest Railway Station	Bahmni Banjar -8.0 km
Nearest Airport	Jabalpur- 87.50km
Ecological Sensitive Areas (Wild Life Sanctuaries) within 5km radius.	No national parks and sanctuary in 5 km radius
Reserved / Protected forest within 10km radius (Boundary to boundary distance)	Nandlal patera RF -0.50 km - E Sonhari RF -3.50 km - SE

Nearest major city with 100000 population within 10km radius	None
Nearest Town / City within 10km radius	Bhamni Banjar – 7.25km
Nearest Village	Kakaiya – 0.40km - ENE
Nearest River	Banjar River - 5.0km - W Surpan N - 2.00km - N
Nearest Nalla	Seasonal Nalla -0.40 km - W Village Pond - 0.30km- N Village Pond - 0.40km – NEN Village Pond - 1.0okm - W Canal - 0.25km - E
Other mines within 10km radius	No. of mines

It was repoted by the PP that

- The lease area of 5.11hectares is granted in favour of Umakant Patel for 20 year in 20.09.1997 to 19.09.2007and further renewed for 30 year upto 2047
- Two other lease area are located within 500m radius
- The lease area is defined as Pvt. Land
- Mining was closed since 2006 and no production were taken by the PP
- The scheme of mining with progressive mine closure plan has been approved by DGM, Bhopal.

Sailent feature of the Mining project

Particulars	**Details**
Type of Mine	Open Cast
Mining Lease Area	5.11 ha
Mineable Area	3.1632 ha
Existing Pits & Quarries	0.6444 ha
Existing Dumps	0.3651 ha
Infrastructure and road	0.039 ha
Mineral Storage	Nil
Plantation	0.20 ha
Total Minable Reserve	1075118 T
Proposed Capacity	66479 TPA
Method of mining	OTFM

Ultimate Depth of Mining	22m bgl (430m AMSL)
Expected Life of Mines	16 years
Lease Period	50 years upto 2047
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	3.1632 ha
Area to be reclaimed by Backfilling in conceptual period	0.451 ha
Area to be rehabilitated by afforestation in CP	2.7158 ha
Area to be covered under water reservoir	1.214 ha
Ground water table	30-40m bgl (422m- 412m MSL)
Assumed per day production	222 T
Per day dumper requirement with capacity	9 dumper per day, capacity 0f dumper 24T

Geology Of The Mine

MINING DETAILS
Geology and deposit appraisal
Local geology follows the trend of regional geology; the lease area has been geologically proved by detailed exploration namely by existing working pit and a tow drilled bore hole. The area is capped by lateritic soil for an average 1.0-1.5m thickness, and then dolomite is continued up to pit bottom of 449m. The dolomite of the belongs to the Mahakaushal group and is continued up to bore hole depth i.e. 430m MSL; with present knowledge of the area and structural set up with steep dip, the dolomite bed should bed should be mineralized depth wise. Succession of local geology – Lateritic soil Dolomite Base not known Strike is ENE –WSW to E-W and dipping is 60-70 degree towards the S

Summarised of geological reserves and mineable reserves	
Particulate	Details
Measured mineral resources 331 – 38232m2 x 24 m	917568.00 m3
Depleted volume of pit m3	14625 .00m3
Balance measured mineral resources 331	902943.00 m3
Infrared Minerals Resources 333 – 12868m2 x 24m	30832.00 m3
Total geological reserves m3	933775.00m^3
Measured mineral resources 331 – 902943 * 2.65 * 90%	2153519.00 T
Indicated mineral resources (333) = 308832 * 90% * 2.65	736564.00T
Mineral block under barrier zone area – 880 * 7.50 * 90% * 2.65	377784.ooT
Mineral block under maintaining slope –680 *432*90%*2.65	700617.ooT
Total blocked minerals – 221	1078401.ooT
Balance probable mineral reserve – (121 = 331-221) = 2153519-1075118	1075118.00 T
Proposed production capacity per year	66479.00 T
First two year production	125264.00 T
Hence mine life – balance Reserve /Production = 1075118-125264 = 949854/66479 +2	14.28+2 = 16.28 or 16 years

Mining Method

- Mining was being carried out by opencast manual method of mining using hand tools such as spades, chisel, hammer etc. and opencast OTFM method is proposed.
- All operation of mining will be done by development of heavy earth moving machineries for excavation, loading and transport.
- Working has been carried out at one place in quarry. There is one bench of OB while 1 to 3 benches with height of 4.0m in ore. The width of the bench is not less than the height and varies from 6.0m to 10.0m.
- Presently 0.6444ha area has already been excavated upto 449m AMSL.
- During this proposal period, the applied area will be developed with 2 production benches of 6 m height i.e. 1.5542 ha and at the end of conceptual period about 3.1632 ha will be developed with ultimate depth up to 430 m MSL with 4 production benches of 6 m height.

- During the SOM and conceptual period, about 0.02ha and 0.451ha area will be backfilled using OB upto avg. 16m height respectively.
- Occassional drilling and blasting will be carried out.
- Drilling and blasting will be done as per parameters given below.
- For Jack Hammer -Spacing – 1.2m , Burden – 1.0m , Depth of hole – 1.5m , Dia of hole – 33m, Powder factor – 8t/kg.
- For Wagon Drill -Spacing – 2m, Burden – 3.0m , Depth of hole – 5m , Dia of hole – 85m, Powder factor – 8t/kg.

Existing and proposed land use plan

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	0.6444	3.1632
2.	Dumps	0.3651	Nil
3	Infrastructure & Roads	0.039	Nil
4	Mineral storage	Nil	Nil
	Settling tank	Nil	0.42
5	Plantation Area	0.20	1.0508
6	Un worked area	3.8615	0.4760
	Total	5.11	5.11
1	Backfilled area	Nil	0.451
2	Plantation area	0.20	2.7158 (5230 no.)
2.1	Backfilled area	Nil	0.451 (900 no.)
2.2	Barrier zone	0.20 (200no.)	1.0508 (1900 no.)
2.3	Bench	Nil	1.214 (2430no.)
3	Water body	0.64	1.4982

Water Management

Spraying of water over haul road for	OB per day – 93M3, dumper capacity – 10M3, working hr/day – 10 hrs, dumper required per day

Dust suppression Length of road –500m , (6mt width) 500m X 6.0m = 3000Sqm No. of tankers required – 01 Tanker capacity – 3.0KL	– 10no, movement per hr –10/10= 1.0no. per hr Water Requirement @ 1.0lit per Sqm Hence 3000sqm @1.0 lit = 3000.0 liter per trip One trip per hours of water tanker and 10 trip of water tankers per day =3KL/trip X 10 = 30.0KLPD
Spraying of water over Transport road for dust suppression Length of road –350m, (6.0 mt width) 350m X 6m = 2100SQM No. of tankers required – 01 Tanker capacity – 10.0KL	Production per day – 222T, dumper capacity – 24T, working hr/day – 10 hrs, dumper required per day – 9no, movement per hr –9/10= 1.0no. per hr Water Requirement @ 1.0lit per Sqm Hence 2100Sqm @1.0 lit = 2100.0 liter per trip (It is proposed 2dumper per hrs movement of dumper on road) Four trip per day of water tanker Total water required per day = 2.1KL/trip X 4 = 8.4 or 8.0KLPD
Water requirement for green belt development	Plantation area 10000sqm (@1.0lit/sqm) avg. 10000sqm per day = 10.0KL/day
Domestic water requirement @30lit/person	Total worker – 30@45lit = 1-35 KL/day @ 1.5 KL /day
Drilling	5.0kl
Total water required per day	Dust suppression –38.0KL Domestic use – 1.5kl Green belt development – 10.0kl Drilling – 5.0kl Total – 54.50KL@300 = 16350KL

Proposed Plantation Detail

Description	Qty	Location
Trees		
Neem	500	Along the lease Boundary in mine premises and along the road
Mahua	500	
Bans	500	
Ornamental Trees		
Amaltash	500	Along the transportation road/ in premises
Gulmohar	500	Along the transportation road/ in premises
Satparni	500	Along the lease Boundary in mine premises
Fruit Trees & Ornamental		
Awala	500	Along the lease boundary and bench
Mango	200	Along the lease boundary and bench
Jamun	500	Along the lease boundary and backfilled area
Emli	210	Along the lease boundary
Commercial value Trees		
Sisam	500	Along the lease Boundary in mine premises
Sissoo	400	Along the lease Boundary in mine premises and road
TOTAL	5310	

Budget Allocation for Plantation				
S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)
	Within lease area			
SOM period	Saplings, with soil work and pesticides	1030	250/-	2,57,500/-
CP	Saplings, with soil work and pesticides	4000	250/-	10,00,000/-
	Total	5030		12,57,500/-
	Along the transport and haul road and along the dump			
1st year	Saplings, with soil work and pesticides and tree guard	280	350/-	98,000/-
	Total	280		98,000/-
	Grand total			13,55,500/-

Environment Impact & Management: Ecology: Stage Wise Cumulative Plantation										
Requirements Of Plants For Afforestation/Reclamation										
Year	Barrier zone green belt		Backfilled area		Bench		Inside dump		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	0.20	200	Nil	Nil	Nil	Nil	Nil	Nil	0.20	200
SOM period	0.8508	1700	-	-	-	-	-	-	0.8508	1700
SOM to conceptual period	-	-	0.451	900	1.214	2430	-	-	1.6650	3330
Total	1.0508	1900	0.451	900	1.214	2430	-	-	2.7158	5230

Socio Economic Measures

Proposed CRS Activities					
SN	**Plan**	**Activity**	**Frequency**	**Lakh**	
				Capital	Recurring
1.	Promotion of girls education	Scholarship of 5 girls students for higher education		-	2.00
2	Need based support for school	Building repairing, toilets, fresh water supply etc through Gram	12 months	-	1.00

		Panchayat / Gram Sabha			
3	Free medical camp	Medical Checkup facility, first aid and welfare activities for nearby villagers	Quarterly	-	1.00
4	Sanitation	Toilet facility provide with water tank and its maintenance at nearby villages Kakaiya, Bhanwartal, Manga, Amadongri, Kharahitola, Barratola, Bijagaon, Khakhritola, (Two toilet each for man and women)	Yearly	5.00	2.00
5	Need based support for gram Panchayat	Through Gram Panchayat / Gram Sabha	Yearly	5.00	2.00
			Total	**10.00**	**8.00**

Total Cost (EMP + CSR+ plantation + Monitoring)		
Particular	**Capital**	**Recurring per annum**
Dust Suppression through tanker over 0.350 km road * 6.0m (15Rs/km) Approx running per day km@300 day (over transportation road)	-	1.26@1.30
Dust Suppression through tanker over 0.50 km road * 6.0m (20Rs/km) Approx running per day 30km@300 day (over haul road)	-	1.80
Sub total		**3.10**
Roads repair and Maintenance (0.350km@2.0lakh per Km)	-	0.70
Construction of transportation road –0.350km@9.0lakh	3.15	-
Sub total	**3.15**	**0.70**

Occupational health and safety exp. @30 worker (half yearly Medical check-up for worker)	2.00	1.00
Sub-total	**2.00**	**1.00**
Environmental Monitoring cost	31.50	9.34
Sub-total	**31.50**	**9.34**
Plantation Along the village Road @ 280no.	0.98	0.13
Plantation within lease area @ 5030 no.	12.58	2.26
Sub-total	**13.56**	**2.39**
Fencing around the lease periphery (1340m @300 running meter)	4.02	1.00
Sub-total	**4.02**	**1.00**
Total EMP cost	**54.23**	**16.53**
CSR cost	10.00	8.00
Sub total	**10.00**	**8.00**
Grand Total	**64.23**	**24.53**

Time Bound action Plan for Implementation of measures of EMP

Activity	**Action Plan**
Water spraying over on the haulage roads & services road	During development and operation of mine
develop green belt around periphery and along the road	Immediate (may be started from coming monsoon)
Cleaning and maintenance of Garland drain	Before and during monsoon
Maintenance and Construction of retaining wall along the dumps	During development and operation of mine
Provision and compulsory use of Dust mask, ear plugs, safety shoes and other PPE to all workers	During development and operation of mine
Regular health monitoring (ones in a year) of workers	During development and operation of mine
Provision of rest shelters for mine workers with amenities like drinking	During development and operation of mine

water, fans, toilets etc.	
Socio economic measures	During development and operation of mine
Air pollution control measures	Immediate and progressive
Water pollution control measures	Immediate continual
Noise control measures	Immediate continual
Ecological preservation and upgradation	Immediate & Progressive

The EIA/EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for dolomite mining lease in an area of 5.11 ha. (66479 TPA) at **, Khasra No. 1448, 1449, 1450, 1452 and 1454** at Village –**Kakaiya Tehsil – Bichhiya, Dist. Mandla** (M.P), subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

8. Blasting shall be carried out as per the approved mine plan and in accordance with the DGMS norm/rules
9. The settled silt shall be collected in RCC pit and shall be utilised for back filling.
10. Health surveillance of workers especially for silicosis shall be carried out and report shall be submitted to SEIAA.

11. Drain shall be provided all along the lease boundary with settling pits at interval and shall join to settling tank
12. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
13. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 5230 no's of trees will be planted along and within the ML. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
14. Transportation of material shall be done in covered vehicles.
15. Transportation of minerals shall not be carried out through forest area.
16. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the DGM/IBM.
17. Garland drains 321mt L X 1.0mt D X 1.0m W, 180mt L X 1.0mt D x 1.0m W , 262mt L X 1.0m D x 1.0m W , 218mt L X 1.0m D x 1.0m W, 278mt L X 1.0m D x 1.0m W with 19settling pits should be provided to avoid silt discharge. Three settling tanks (0.20ha x 5mD, 0.22ha x 5mD, 0.21ha x 5mD,) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
18. Water sprinkling through tankers should be provided on 500meter long and 6 meter wide haul road. However, regular water spraying should also be practiced on 350 meters long and width 6 meters wide transport road for dust suppression.
19. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
20. The existing and proposed land use plan of the mine is as follows:

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	0.6444	3.1632
2.	Dumps	0.3651	Nil

3	Infrastructure & Roads	0.039	Nil
4	Mineral storage	Nil	Nil
	Settling tank	Nil	0.42
5	Plantation Area	0.20	1.0508
6	Un worked area	3.8615	0.4760
	Total	5.11	5.11
1	Backfilled area	Nil	0.451
2	Plantation area	0.20	2.7158 (5230 no.)
2.1	Backfilled area	Nil	0.451 (900 no.)
2.2	Barrier zone	0.20 (200no.)	1.0508 (1900 no.)
2.3	Bench	Nil	1.214 (2430no.)
3	Water body	0.64	1.4982

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

(C) ENTIRE LIFE OF THE PROJECT

25. The proposed EMP cost is Rs. 54.23 lacks and Rs. 16.53 lacks /year are proposed as recurring expenses out of which Rs. 13.56 lacks is proposed for green belt development inclusive of green belt along transport road and Rs. 2.39 lacks /year for recurring expenses for plantation in the proposed EMP of this project.

26. Under CSR activity, Rs. 10.00 lacks and Rs. 8.0 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
27. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
28. A separate 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.
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.

11. Case No. - 885/2012 - Shri Nivedan Bhardwaj, M.D., M/s Fortune Stones Ltd. 11, Bungalow No. – 2, Lokanathpurm, Sagar Road, Distt. -Chhatarpur (M.P.) – 471001 Expansion of Katahara Granite Quarry at Khasra No. – 901, Village – Katahara, Tehsil – Lovekush Nagar, Distt. – Chhatarpur (M.P.) Lease Area – 6.00 ha. Capacity: 20,000 Cubic meter per year (Existing Capa. – 7000 Cubic meter per year).

AND

Case No. 886/2012 - Shri Nivedan Bhardwaj, M.D., M/s Fortune Stones Ltd. 11, Bungalow No. – 2, Lokanathpurm, Sagar Road, Distt. -Chhatarpur (M.P.) – 471001 For - EIA Presentation. - Expansion of Katahara Granite Quarry at Khasra No. – 901, Village – Katahara, Tehsil – Lovekush Nagar, Distt. – Chhatarpur (M.P.) Lease Area – 21.736 ha. Capacity – 40,000 Cu. Meter per Year (Existing Capa. – 10,000 Cubic meter per year).

The case was discussed in the 149th SEAC meeting dated 05/09/2014. After deliberations committee has asked the PP for submission of response to the following queries:

- Point-wise compliance of the FC to be furnished.
- The hydro-geological study conducted earlier has to be reviewed and commented w.r.t. the water quality & water- table in the region.

- Mine is located on a hillock at about 70-80 meters from the ground level and the habitation is reported in foot of the hillock; in view of the same dust management plan to be furnished.
- Two mines of the same proponent are located adjacent to each other hence cumulative impact in terms of GLC of PM to be submitted.
- It was informed by the PP that Regional Office MoEF Bhopal has inspected the site; the visit report of MoEF has to be placed before the committee.

PP has submitted the satisfactory response to above queries. Based on the submissions and the presentation made by the PP committee decided to recommend the case for grant of prior EC subject to the following conditions:

1. The retaining wall towards village shall be constructed immediately.
2. All commitments made in the CSR have to be taken up on priority.
3. The use of PPE at site was observed to be weak the same has to be strictly implemented by the PP.
4. Land-use study and the mandatory measures towards compensation and damage to agriculture / other property including the environmental damages have to be taken up on priority.
5. Biological stability of the OBs' in terms of plantation has to be taken up at a faster pace before further adding OB to the existing dumps.
6. Peizometric wells should be installed and the ground water to be monitored and reported periodically.
7. Appropriate treatment system has to be installed for treatment of waste water being generated from the work-shop at site.
8. Consent from MPPCB should be obtained for the work-shop also.
9. Hydro-geological studies shall be taken up prior to reaching the ground water level.

This case was discussed in the 469th SEIAA meeting dtd. 16.02.2018 and it has been recoreded that "In view of avbove, PP has requested for revalidation of environmental clearance for amalgamating the two lease areas of case No. 885/2012 and 886/2012 measuring 21.736 ha. and 6.0 ha. respectively located at Village – Kathara, Tehsil – Lovekush Nagar, District Chhatarpur. As per above letter sent to MoEF & CC for giving appropriate directions in this case till now we have not received any guidance/opinion regareding this case. PP has attached a copy of 6th EAC meeting dated: 23-24 May 2016 wherein similar type case has been considered, where tow leases of same leassees have been permitted for lease amalgamation & both of lease have separate environmental clearance

under EIA notification 2006. It has been decided to send technical for to SEAC along with the application and take considered view and comments on it."

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

12. Case No.-5653/2018 Shri Jeewan Singh Rajput, Chiklli, Tehsil - Udaipura, DIst. Raisen, MP Prior Environment Clearance for Basalt Stone Quarry in an area of 7.340 Ha.. (56,800 cum per annum) (Khasra no. 94/1) at Village- Chhind , Tehsil - Udaipura, Dist. Raisen (MP)

This is case of Basalt Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 94/1) at Village- Chhind, Tehsil - Udaipura, Dist. Raisen (MP) 7.340 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. 468 dated: 08/6/2015, has reported that there are 03 more mine operating or proposed within 500 meters around the said mine with total area of 17.15 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.

13. Case No.4550/15 M/s. S.R. Traders, Sub Lessee, M.P. State Mining Corp. Ltd., Shri Atul Gondal, E-5, Shop NO. 12 Metro Plaza, Bittan Market, Bhopal (M.P.) – 462 004. Prior Environment Clearance for approval of Sand Quarry in an area of 7.0 ha. (70,000 cum/Year) at Khasra No. 896/1 at Vill. Shahganj, Tehsil – Budhni, Distt. Sehore (M.P.)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 896/1 at Vill. Shahganj, Tehsil – Budhni, Distt. Sehore (M.P.) 7.00 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 1000 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.-1784 dated: -10/7/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vides their letter no. 307/SEIAA/16 dated 02/04/2016 have forwarded the replenishment plan of the above lease.

Earlier this case was presented by PP and their consultant 17th SEAC-II meeting dated: 06/04/2016. During presentation, it was observed that as per the certificate issued by the DFO, Ratapani Abhayaran is at a distance of 8.0 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/324/2015 and date of submission is 09/11/2015. It was also observed during presentation as per the Google image of January, 2016 based on the co-ordinates provided by the PP that some parts of the lease area is submerged in the water and thus committee decided that 30 meters area of lease from the river side be left as no mining area as it is submerged in water. The other submissions made by PP were found satisfactory and acceptable and thus the 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 70,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

This case was scheduled in today's agenda (306th SEAC Meeting dated 27/01/2018) as SEIAA has forwarded this case vide letter No. 1458 dated 04/01/2018 stating that: **The case was discussed 461th SEIAA Meeting 26.12.2017 it was recorded that "***PP has submitted a request letter dtd. 22.11.2017 mentioning that in the ESZ Notification of Ratapani & Singhori Wildlife Sanctuary published by MoEF & CC, GoI on dtd. 11.08.2017. The Eco Sensitive Zone in case of Ratapani & Singhori Wildlife Sanctuary has been fixed with an extend of 2 km. from the boundary of the Ratapani & Singhori Wildlife Sanctuary and it was requested that the ML area lies at distance of about 8.0 km from the Ratapani Wildlife Sanctuary & the specific conditions (no 13 & 14) as mentioned in Prior EC vide letter no. 1181 dt. 03.05.16 for Wild Life Clearance from NBWL may be withdrawn by SEIAA.*

This case was discussed in the 319th SEIAA meeting dtd. 20.04.2016 and granted Prior EC subject to following specific conditions pertaining to the necessary wild life clearance from NBWL was imposed as under.

1. *SEAC has put a condition for obtaining Wild Life Clearance from NBWL and PP has submitted application also. No mining activity shall commence till the Wild Life Clearance is given by the National Board for Wild Life. The OM dated 02.12.2009 shall be applicable in this particular case. Mining Officer, Sehore shall be responsible for compliance.*
2. *Grant of environmental clearance does not necessarily implies that wildlife clearance shall be granted to the project and that their proposals for wildlife clearance will be considered by the respective authorities on their merits and decision taken."*

Based on above submission case was placed before in 306th SEAC Meeting dated 27/01/2018 for discussion wherein it was observed that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled for presentation in 308th SEAC meeting dated 24/02/2018 wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 306th SEAC Meeting dated 27/01/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was again scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make

any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 308th SEAC meeting dated 24/02/2018 & 306th SEAC Meeting dated 27/01/2018. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

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

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 1) at Village- Kelaras, Tehsil - Shadora, Dist. Ashoknagar (MP) 6.355 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 1000 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. Nil dated: Nil has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled in 304th SEAC meeting dated: 15/01/2018 wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled for presentation in the 308th SEAC meeting dated 24/02/2018 wherein it was recorded that Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 304th SEAC meeting dated: 15/01/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was again scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make

any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 308th SEAC meeting dated 24/02/2018 & 304th SEAC meeting dated 15.01.2018. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

15. Case No. - 5638/2018 M/s D S Construction, D-523, Suresh Nagar, Thatipura, Dist. Gwalior, MP – 464001 Prior Environment Clearance for Sand Quarry Deposit in an area of 23.0 Ha.. Proposed Capacity-67,500 cum per annum and Old Capacity-57,500 cum per annum (Khasra no. 173, 174) at Village- Badoni Kala, Tehsil - Datia, Dist. Datia (MP).

This is case of Sand Quarry Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 173, 174) at Village- Badoni Kala, Tehsil - Datia, Dist. Datia (MP) 23.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. 513 dated: 14/06/2016 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 46.00 ha including this mine.

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

Today, this case was scheduled for presentation wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 308th SEAC meeting dated 24/02/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case 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.

16. <u>Complaint received from MoEF&CC, Regional Office, Bhopal vide letter no.10-2/2018 (ENV)/Vol.I/1568 dated 08/03/2018.</u>

MOEF & CC vide above referred letter has sent the copy of a complaint related to EC obtained by M/s. Anjaniya Industries, Plot no. 37/A, AKVNL Industrial Estate Meghnagar, Distt. Jhabua, M.P. The Ministry has direct to verify the distance of the said units from the interstate boundary and submit factual report at the earliest. On perusal of the complaint it was observed that the said industry has received EC from Impact Assessment Division, MoEF, New Delhi as considered Category "A" project on the basis of applicability of general conditions (located within 5 KM distance of the interstate boundary of Gujarat). The committee after deliberations recommends that the competent authority to verify the distance is district administration. Since this case is related to Meghnagar Industrial Area as unit established in IA, MPAKVN, Jhabua shall be asked to submit verified distance of said unit from the interstate boundary and submit factual report at the earliest so that same can be forwarded to the MoEF&CC. Committee further recommends that till this report is submitted by the MPAKVN, Jhabua all the cases of EC lies within the Meghnagar IA shall be kept pending.

(Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Prashant Shrivastava)
Member

(R. Maheshwari)
Co-chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

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

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

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

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu sand Mine Quarries*

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