

The 375th meeting of the State Expert Appraisal Committee (SEAC) was held on 29th June, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

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

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

- 1. Case No. - 5661/2018 M/s Vast Chemie Pharma, 6-3-1216/56 yo 60, Flat No. 402, Pavan Residency, Methodist Colony, Begumpet - Hyderabad (Telangana) – 500016 Prior Environment Clearance for Manufacturing of Life Science Intermediates, Capacity – 545 MT/Annum, Area – 8433 sqm in Plot No. 14, 25 & 26, Industrial Area - Maksi, Distt. - Shajapur, (M.P.) Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & dye Intermediates; Bulk drug).**

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 case was presented by the PP and their consultant in 312th SEAC meeting dated 17/04/2018, wherein committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and conditions mentioned in annexure-D:

1. Details of fire-fighting system proposed with risk-assessment study and proposed on-site emergency plan.
2. Recent MSDS of all the raw materials / solvents to be furnished.
3. Lay-out of the Industrial Estate showing location of other industries, with inventory of the industries in 500 meters around the proposed plot.
4. Copy of Registration letter issued from the Industries Department.
5. Details of LNG connectivity with safety measures proposed in this regard.
6. DG-set details with air / noise pollution control details.

7. Worst case scenario with respect to water, air pollution and hazardous-waste generation to be presented. The mitigation measures to be detailed out, assuming that the entire plant is producing product(s) responsible for worst environmental scenario.
8. List of solvent with product-by-product solvent balance/ water-balance and material-balance to be included. Details of solvent recovery system should be provided in the EIA report.
9. Explore the possibility of putting some device so as to monitor/detect the concentration of toxic fumes in the work-zone on continuous basis.
10. VOC's to be monitored and reported in the baseline AAQ data.
11. Inventory of all the raw material with mass balance of each of the chemicals being used or proposed to be used.
12. Inventory of all types of hazardous wastes expected from the industry with handling and management plan to be presented.
13. Product-wise Water balance along with the overall water balance to be worked out & presented so as to achieve 'Zero liquid discharge' from the unit.
14. Plan for prevention of waste water percolation into the ground water to be submitted along with the plan of handling in case of spillage of any chemicals.
15. List of material proposed to be stored beyond the prescribed threshold limits.
16. Solar lights to be proposed.
17. Fly-ash generation and its disposal plan.
18. Provision of 'Green-belt' all around the periphery of the proposed plot to be made.
19. Since Ground Water abstraction is proposed thus permission from CGWB should be obtained and same shall be annexed with the EIA report along with the proposal for ground water recharge and location of recharge pits on layout map.

PP has submitted the EIA report vide letter dated 28/03/2019 which was forwarded through SEIAA vide letter no. 664 dated 16/05/2019

PP and their consultant presented the EIA before the committee; during discussion following details of this project was submitted by the PP:

- Vast Chemie Pharma is setting up new unit on the BARREN LAND at Plot No: 14, 25 & 26, Maksi Industrial Area, Maksi, Shajapur Dist., Madhya Pradesh to manufacture Life Science Intermediates.
- Producing within India should save valuable foreign exchange and also ensure uninterrupted supply of good quality of Life Science Intermediates to make life saving drugs serving various industries

SALIENT FEATURES OF THE PROJECT

Required details	Proposed
Land acquired	8433 Sq meters
Production Capacity	545 MT/PA
Cost of Project	8Crore
Power Requirement	500 KVA
Alternative Source of Power	DG Set – 200KVA
Water Requirements	60 KLD
Waste water generation	18 KLD
Boiler capacity	2 TPH
Solvent	117 MTPA

PRODUCTS AND PRODUCTION CAPACITY

S. No	Name of Products	Production Capacity (MTPA)
1	Pyridyl Amines	150
2	Alkali Metal amides	150
3	Diketones	150
4	Acetyl Pyridines	20
5	Hydroxy Pyridines	20
6	Amino Methyl Pyridines	10
7	Halo Pyridines	20
8	Methyl Pyridines	10
9	Azaindoles	15
TOTAL CAPACITY		545

RAW MATERIAL

Sr. No.	Key Raw materials Solvents	Quantity : MT
1	Primary Alcohols	20

2	Xylene	15
3	Phenyl Methane	10
4	Alkali Metal amides	100
5	Pyridine	100
6	Methyl Pyridines	75
7	Dimethyl Formamide	100
8	Piperidine	5
9	Nicotinates	5
10	Alkoxides	5
11	Anilines	10
12	Ethyl Orthoformates	10
13	Furans	2
14	Alkali Metals	50
15	Methylene Chloride	5
16	Alkyl Acetate	10
17	Hydrogen Peroxide	1
18	Alkyl Amines	1
19	Flouro Benzene	5
20	Hexanes	10
22	Ethylene Chloride	10
23	Thionyl Chloride	25
24	Hydrochloric Acid	50
25	Chlorine	10
26	Bromine	2
27	Hydrogen	2
28	Ammonia	5
29	Sulphuric Acid	30
30	Acetic Acid	10
31	Caustic Soda	50
32	Sodium Nitrite	15
33	Sodium Sulphate	2

34	Alkali metal Carbonates	1
35	Metal halides	5
36	Aldehydes	10
37	Active Carbon	2

SOLVENTS

S.No.	Name of solvent	Consumption MTPA	Recovery %
1	Methanol	20	98.00
2	Ethanol	2	98.00
3	Isopropanol	5	99.00
4	Toluene	30	98.00
5	Xylene	20	98.00
6	Ethyl Acetate	15	98.00
7	Methylene Chloride	20	99.00
8	Ethylene Chloride	5	99.00

EQUIPMENT LIST

Sr. No.	Equipment	Qty in No.
1.	Stainless steel Reactors with overhead system	10
2.	Mild steel – Glass lined reactors with overhead system	5
3.	Stainless steel centrifuges	2
4.	Stainless steel filter	2
5.	Stainless steel driers	2
6.	Stainless steel Multimill	1

7.	Stainless steel driers Sifter	1
8.	Steam boiler	1
9.	Thermic fluid heater	1
10.	Cooling tower	1
11.	Brine unit	1
12.	Mild steel Storage tanks	10
13.	Pumps	12
14.	Piping material	-
15.	Scrubbers	2
16.	MEE	1
17.	Weighing machines	2
18.	Electrical cables, panels etc	-
19.	Electrical transformer	1

LAND USE BREAKUP

S.No.	Particulars	Total Area (Sq. Mt.)
1	Total Land Area	8433
2	Built up area	3344
3	Production blocks	1020
4	Utility (Cooling tower, Panel board, Boiler, Chilling plant, storage tanks)	552
5	R/M and F/G Stores	120
6	Office Block including QA and QC	162
7	ETP & ZLD	50
8	Garden Area	2800 (33%)
9	Open Area	305
10	Parking Area	80

STORAGE OF RAW MATERIALS

Acidic materials: - Stored in Carboys or drums in isolated & dedicated area

Basic materials: -Stored in Carboys or drums in isolated & dedicated area. Fuming materials will be stored in well ventilated room with exhaust having outlet to scrubber

Solvents: -

Dedicated 6 underground tanks of 20 KL each (high consumption)

Rest in drums or carboys depending on volumes.

Inventory of 1 month will be maintained in ware house.

All other raw material including Key Raw Material: - - Stored in Carboys or drums in dedicated area.

POLLUTION PREVENTION AND CONTROL EQUIPMENT

S. No.	Equipment
1	Separation of High & Low COD values effluent for better management of process effluent.
2	Installation Effluent Treatment plant to recycle water for water conservation and avoid land contamination. And Multi effect evaporator
3	Ground water recharging through rain water harvesting.
4	Technically sound environmental cell.
5	Installation of scrubber.
6	Provision of Adequate Stack height and vents for Boiler and DG sets
7	DG Set with acoustic enclosure mounted on a proper platform to avoid vibration.

8	Hazardous wastes shall be collected and stored with utmost care and shall be disposed to Authorized recycler/TSDf Site at Pithampur.
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WATER BALANCE

Sr. No.	Source	Water Consumption (KLD)	Waste water Generation (KLD)
1.	Manufacturing Process	5	3
2.	Domestic	15	10
3.	Industrial Washing/Cleaning	3	2
4.	Boiler	15	2
5.	Cooling	20	1
	TOTAL	58	18

Wastewater Management

Sr. No.	Description	Waste water generation (in KL/Day)
	Total Waste water	18
Break-up		
1	High COD / High TDS	5
2	Low COD / Low TDS	3
3	Domestic waste water	10

Wastewater characteristics

Sr.No	Parameter	Treated Effluent
1	pH	6.0 – 8.0
2	BOD	<30 mg/L
3	COD	<250 mg/L
4	Suspended solids	<10 mg/L
5	Dissolved solids	< 2100 mg/L
6	Oil and Grease	< 10 mg/L
7	Chloride	< 600 mg/L

Hazardous Waste Generation and Disposal Method

S.No.	Hazardous Waste	Category	Quantity (in MT/yr)
1	Used or spent oil	5.1	60.0
2	Wastes or residues containing oil	5.2	5.0
3	Process Residue and wastes	28.1	5.0
4	Spent carbon	28.3	32.0
5	Off specification products	28.4	2.0
6	Spent solvents	28.6	80.0
7	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	33.1	80.0
8	Chemical sludge from waste water Treatment	35.3	20.0

ENVIRONMENT MANAGEMENT PLAN

S.No	Activities	Proposed Investment (in Lac)	Recurring Cost (in Lac per annum)
	ENVIRONMENT MANAGEMENT PLAN		
1	Wastewater Management Zero Discharge Facility		
1.1	Installation of New Effluent Treatment	20.00	
1.2	Purchase of Multi effect Evaporator including ATFD	50.00	
1.3	Consultancy for Zero liquid discharge plant	0.25	
1.4	Treatment and Staff Wages		1.5
2	Installation of process gaseous pollutants scrubber and Maintenance	25.0	3.00
3	Plantation activities		
3.1	Consultant fees	0.25	
3.2	Charges of approx 500 nos. sapling of middle size	0.50	
3.3	Civil activities for plantation	0.50	
3.4	Bio-manure cost	0.25	
3.5	Labor Charges	0.25	
3.6	Maintenance of planted sapling	-	0.50
4	Environmental Monitoring Cost A NABL MoEF approved charges	3.0	1.5
5	In-house Pollution Monitoring Facility Development		
5.1	Cost of pH meter /TDS meter, DO meter /COD analyzer	3.0	

5.2	LAB Setup	1.0	
5.3	Chemicals & Calibration		4.0
6	Training and Awareness		
6.1	Participation into various environment health and safety related workshop, seminars, and training programmes.		0.50
6.2	Conduction in-house training for supervisors, operators and contractual workers		0.25
6.3	Celebration of World environment day, national safety week etc		0.15
7	Personal Protective Equipment and Medical Checkups (Helmet, Safety Shoes, Nose masks, Aprons, Respiratory and Breathing Masks)	1.0	0.25
	TOTAL	105	11.65

PLANTATION

S. No.	Year	Nos of Sapling	Species
1	2019-2020	100	Local species such as Neem, Peepal, Seesam, Karanj, Arjun
2	2020-2021	100	
3	2021 – 22	75	
4	2022 – 23	75	

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

1. Revised land-use break-up for 8433 Sq. meters.
2. Copy of CGWB application for ground water extraction permission.
3. Revised water balance chart with proposal reusing of treated water.
4. Revised layout with proposal for emergency exit gate.
5. Commitment for solvent recovery up to 98-99%.
6. Revised EMP as suggested by committee.

7. Revised CSR include proposal for rain water recharging as suggested by the committee during presentation as PP will withdraw ground water.
8. Commitment that the generated fly use shall be disposed off in the cement and pipe industry.

PP vide letter dated 29/06/2019 submitted reply of the above query. The query reply was discussed and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for manufacturing of following life science Intermediates with Capacity – 545 MT/Annum at Plot No. 14, 25 & 26, Industrial Area - Maksi, Distt. - Shajapur, (M.P.) Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & dye Intermediates; Bulk drug) subject to the special conditions:

Proposed Products and Production Capacity

S. No	Name of Products	Production Capacity (MTPA)
1	Pyridyl Amines	150
2	Alkali Metal amides	150
3	Diketones	150
4	Acetyl Pyridines	20
5	Hydroxy Pyridines	20
6	Amino Methyl Pyridines	10
7	Halo Pyridines	20
8	Methyl Pyridines	10
9	Azaindoles	15
TOTAL CAPACITY		545

(A) Statutory compliance:

1. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).

2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time & permission of competent authority if ant tree falling is to be carried out.
3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

(B) Air quality monitoring and preservation

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM2.5 in reference to PM emission and S02 and NOx in reference to S02 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each) covering upwind and downwind directions.
4. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
5. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
6. The DG sets (200 KVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

7. DG exhaust will be discharged at height stipulated by CPCB.
8. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
9. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
3. 60 KLD fresh water shall be drawn from ground water only after obtaining permission of Central Ground Water Board for which PP has applied. The waste water generation shall be (18 KLD) be segregated as high COD/high TDS, Low COD, Low TDS and domestic effluents. The HCOD/HTDS shall be neutralized and sent to stripper followed by MEE and ATFD. LCOD/LTDS effluent shall be treated in ETP with domestic effluent followed by RO system. The treated effluent shall be entirely reused and recycled in cooling tower make-up.
4. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
5. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
6. Total fresh water requirement shall not exceed 60 KLD.
7. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
8. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

9. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to 200 KVA DG set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

(E) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 200 KVA. The power will be supplied by Power Generator i.e. Grid power.

(F) Waste management

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. As proposed, 98-99% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
3. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDF, Dhar.
4. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
5. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
6. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
7. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert

material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.

8. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
9. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
10. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
11. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
12. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
13. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
14. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
15. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
16. The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(G) Green Belt

1. Out of 8433 Sq. Mtr area, 2800 sq. meter (33%) area will be covered with the good green belt and 350 trees will be planted. The green belt of 5-10 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.

2. 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(H) Safety, Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(I) Corporate Environment Responsibility

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating

procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
5. The proposed EMP cost is Rs. 108.00 Lakhs and 11.65 Lakhs /year as recurring cost. Under CER activity, Rs.15.0 Lakhs per year are proposed for different activities.
6. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
7. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

J. Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
3. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
4. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
5. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of

Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

2. Case No. 6155/2019 M/s Agrawal Builders & Colonizers Co., E-4/231, Arera Colony, Bhopal, MP – 465001 Prior Environment Clearance for Proposed Residential Project "Sagar Lake View Homes" (Total Plot Area = 32480.0 sqm, Total Built-up Area = 48354.67 sqm), Village - Hathaikheda, Tehsil - Huzur, Dist. Bhopal (MP).

This is case of Proposed Residential Project "Sagar Lake View Homes" (Total Plot Area = 32480.0 sqm, Total Built-up Area = 48354.67 sqm), Village - Hathaikheda, Tehsil - Huzur, Dist. Bhopal (MP). The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in 368th SEAC meeting dated 02/05/2019 wherein neither the Project Proponent (PP) nor his authorized representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by PP and their consultant wherein during discussion and perusals of the documents it was observed by the committee that the It's a case of Violation. The PP stated that the project is 100% completed and so far 80 % possessions have been given to the occupants. During presentation, PP presented following salient features and chronology of violation of the project:

Brief Description of Project:

M/s Agrawal Builders & Colonizers Co. has developed a residential project "Sagar Lake View Homes" located at Village Hathaikheda, Tehsil Huzur, District Bhopal, M.P. Project site belongs to M/s Agrawal Builders & Colonizers Co. Project site well connected with road and railways. There is no eco-sensitive zone within 10 km radius of project site. Vanvihar National park is at distance of 11.0 km in West direction. Permission was obtained for development of the project from T&CP, M.P. in 2011.

After obtaining approval from T&CP, M.P. in 2011, construction was undertaken at the site. Construction was undertaken prior obtaining environmental clearance under EIA Notification, 2006 which has led to violation of the EIA Notification. However construction was carried out due to unawareness of applicability of EIA Notification, 2006. On learning its applicability, application was filed to SEIAA, M.P for obtaining environmental clearance in August, 2013. After applying in SEIAA, M.P, project was taken up in 142nd SEAC, M.P. meeting held in September, 2013 wherein project proponent admitted that construction has been undertaken at the site. SEAC recommended to get the credible action initiated by MPPCB and submit resolution of board as per MoEF&CC OM dated 12.12.2012. The case was recommended by SEAC for grant of EC in 169th SEAC meeting. The project was then taken up in SEIAA, M.P. in 187th meeting held on March 2015 and further meetings. In end SEIAA in March, 2017 delisted the project in its 417th meeting held on 20.07.2017 after issue of MoEF&CC final notification dated 14.03.2017 and recommended M/s Agrawal Builders & Colonizers Co to apply in MoEF&CC for grant of environment clearance.

Project comprises of development of 7 residential tower, Duplexes, 1 LIG tower, Convenient shops and 1 EWS tower along with other allied facilities. Project site is spread over area of 32480 sq m (3.248 ha). Built-up area of project is 48354.67 sq m so the project falls under Category B and activity 8 (a) of EIA Notification, 2006.

Total water requirement for the project is 367 KLD out of which 339 KLD is domestic water requirement. Fresh water requirement is 240 KLD and recycled water requirement is 127 KLD. Source of water during operation phase is Bhopal Municipal Corporation supplemented by private water tanker suppliers. Sewage generation from the site is expected to be 292 KLD which will be treated in STP of capacity 350 KLD which is to be constructed at the site. Treated water from the STP (234 KLD) will be used for flushing(104 KLD) and horticulture purpose (23 KLD). Excess treated water i.e. 107 KLD during non-rainy season and 130 KLD during rainy season, will be disposed off through Municipal Sewerage Line, Bhopal. Permission of discharge of excess treated sewage to sewer is granted by Bhopal Municipal Corporation. STP with SAFF (Submerged Aerated Fixed Film Reactor) Technology will be adopted at the site for treatment of sewage generated from the site. A STP of 275 KLD is already installed at the site. Proper storm water management, collection and recharge system is provided at the site. Total 8 nos of RWH pits are provided at the site. Parking space for 382 nos of vehicles is proposed at the site. Maximum power demand for the project is estimated

to be 1500 kVA respectively. Source of power will be MPSEB. 1 no. of DG set of total capacity 250 kVA (1X250 kVA) will be provided at the site. DG set will only be used during power failure.

Solid waste is generated both during construction as well as operation phase. Solid waste generated during construction phase is majorly excavated materials, cement bags, bricks, concrete, MS rods, tiles, wood, etc. During operation phase, waste comprise of municipal waste. It is estimated that approx. 1316.38 kg per day (0.5 kg per capita per day for the residents, 0.15 kg per capita per day for the visitor. 0.25 kg per capita per day for the staff members, whereas 0.2 kg/acre/day is considered for landscape waste) to be generated from project site. Total green area measures 7697 .36m² i.e. 23.69% of the net plot area is planned to be kept under green cover.

Chronology and Details of Violation

- Construction was undertaken at the site, After obtaining approval from T&CP, M.P. in 2011.
- Construction was undertaken prior obtaining environmental clearance under EIA Notification, 2006 which has led to violation of the EIA Notification. However construction was carried out due to unawareness of applicability of EIA Notification, 2006. On learning its applicability, application was filed to SEIAA, M.P for obtaining environmental clearance in August, 2013.
- After applying in SEIAA, M.P, project was taken up in 142nd SEAC, M.P. meeting held in September, 2013 wherein project proponent admitted that construction has been undertaken at the site. SEAC recommended to get the credible action initiated by MPPCB and submit resolution of board as per MoEF&CC OM dated 12.12.2012.
- Thereafter SEIAA, M.P. was dissolved in November, 2013 and was reconstituted in July, 2014.
- Thereafter the project was again taken up in 153rd and 169th meeting of SEAC held on October, 2014 and January, 2015, respectively.
- The case was recommended for grant of EC in 169th SEAC meeting.

Details of Violation

- The project was then taken up in SEIAA, M.P. in 187th meeting held on March 2015, 204th meeting in May 2015 and 214th in June 2015 SEIAA meetings. In 214th SEIAA

meeting, SEIAA recommended to return the project to SEAC to carry out site visit and submit the report as per NGT directions.

- Project was then again taken up in 274th SEIAA meeting on 23rd December, 2015 and SEIAA directed SEAC to undertake the site visit. SEAC undertook the site visit and in 278th meeting the SEAC decided that the case may be sent to SEIAA with inspection report for necessary action on basis of the visit carried out by SEAC.
- Project was then taken up in 345th SEIAA meeting held on 25.06.2016, where SEIAA on basis of MoEF&CC draft notification dated 10.05.2016 kept the project on abeyance.
- Thereafter project was taken up in 352nd SEIAA meeting held on 8th July, 2016 wherein SEIAA declare to continue the abeyance as there was no decision from MoEF&CC on violation project.
- Thereafter SEIAA in March, 2017 delisted the project in its 417th meeting held on 20.07.2017 after issue of MoEF&CC final notification dated 14.03.2017 and recommended M/s Agrawal Builders & Colonizers Co to apply in MoEF&CC for grant of environment clearance.
- Application for grant of environment clearance was again submitted to MoEF&CC as per MoEF&CC Notification 804 (E) dated 14.03.2017. Thereafter MoEF&CC has issued amendment SO 1030 dated 8th March, 2018 and has directed that Category B projects involving violation will be appraised at State Level and all the category B proposals will be transferred to SEIAA. In view of this MOEF&CC transferred our project to SEIAA, MP on 28th March, 2018.

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

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

1. Project description, its importance and the benefits.

2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PN2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area.
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other

environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

3. Case No. – 6282/2019 M/s Narmada Minerals, Shri Shushil Rai, 33, Swastik Sadar Bazar, Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Crusher Stone Quarry in an area of 4.00 ha. (39,049 cum per annum) (Khasra No. 364), Village - Chandbad Kadeem, Tehsil - Berasia, Dist. Bhopal (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 364), Village - Chandbad Kadeem, Tehsil - Berasia, Dist. Bhopal (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2588 dated: 29/12/15 has reported that there are 05 more mine operating or proposed within 500 meters around the said mine with total area of 18.279 ha., including this mine.

The case was presented by the PP and their consultant wherein PP submitted that they have conducted environmental monitoring (air, surface water & ground water) in the month of March to May 2019. Committee after deliberation decided that being it's a case Stone Quarry with total area of 18.279 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued

for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Approved DSR shall be submitted by PP.
- Lease was sanctioned in 2014; PP shall provide the chronology of events since 2014 till date with reason why there was delay in getting EC.

4. Case No. – 6292/2019 M/s Ramraja Granite, R/o Indira Nagar, Kabrai, Dist. Mahoba, UP – 210424 Prior Environment Clearance for Granite Stone Mine in an area of 4.00 ha. (2018-19 : 1,50,290, 2019-20 : 1,54,165, 2020-21: 1,48,437, 2021-22 : 1,64,228, 2022-23 : 1,41,793 cum per annum Total production -7,58,913 m³) (Khasra No. 1391), Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP).

This is case of Granite Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1391), Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1731 dated: 27/03/19 has reported that there is 04 more mine operating or proposed within 500 meters around the said mine with total area of 12.45 ha., including this mine.

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

- That the lease area is falling on the hillock which is having height of approximately surface level (220 mRL -202 mRL = 18 m) and depth below surface level (202 mRL- 179 mRL = 23 m) is proposed.
- Also to carry out mining of stone is in such a hillock where gradient is slightly high involves safety of labours and machines.

It was further observed by the committee that on the SE side this lease habitations (at a distance of approx. 260 & 630 meters) are in existence and entire hillock (approx. 70% of area) is allotted as mining lease and there are several such cases in Chhatarpur area where it is observed that leases on hillock are being sanctioned with very high volume of stone

extraction. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine to ascertain the sensitive features around the proposed mining area and TOR will be recommended after the site visit report.

5. Case No. – 6362/2019 Shri Rishi Mishra, A-Block, 3/5 Dutt Arcade, Civil Lines, Jabalpur, MP Prior Environment Clearance for Stone Quarry in an area of 8.0 ha. (51,414 cum per annum) (Khasra No. 18 Part), Village - Navegaon, Tehsil - Chhindwara, Dist. Chhindwara (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 18 Part), Village - Navegaon, Tehsil - Chhindwara, Dist. Chhindwara (MP) 8.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 138 dated: 21/05/19 has reported that there is one more mine operating or proposed within 500 meters around the said mine with total area of 16.0 ha., including this mine.

The case was presented by the PP and their consultant, wherein PP submitted that they have conducted environmental monitoring (air, surface water & ground water). Being it's a case of Stone Quarry with total area of 16.0 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- In the lease area existance of some trees was observed through Google image hence, PP shall be submit inventory with girth of the tress along with copy of application to the concerned competent authority if tree failing is proposed with the EIA report.
- A natural drain is in existance at northern side of the lease thus its protection plan shall be discuss in the EIA report.
- Discuss evacuation route with gradient in the EIA report as mine is located on hillock with elevation difference of approx 50 meters from the ground level.

6. **Case No. – 6363/2019 Shri Deval Mishra, A-Block, 3/5 Dutt Arcade, Civil Lines, Jabalpur, MP Prior Environment Clearance for Stone Quarry in an area of 8.00 ha. (35,000 cum per annum) (Khasra No. 18 Part), Village - Navegaon, Tehsil - Chhindwara, Dist. Chhindwara (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 18 Part), Village - Navegaon, Tehsil - Chhindwara, Dist. Chhindwara (MP) 8.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 137 dated: 24/05/19 has reported that there is one more mine operating or proposed within 500 meters around the said mine with total area of 16.0 ha., including this mine.

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

7. **Case No. – 6246/2019 M/s Madhav Infra Projects Ltd, Shri M.G.Hari Kumar, Dist. Alirajpur, MP – 457887 Prior Environment Clearance for Murrum Quarry in an area of 4.00 ha. (1,00,000 cum) (Khasra No. 398), Village - Amla, Tehsil - Sondwa, Dist. Alirajpur (MP).**

This is case of Murrum Quarry sanctioned as TP. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 398), Village - Amla, Tehsil - Sondwa, Dist. Alirajpur (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 294 dated: 02/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	Touching lease in the north side.	North	10 meter setback shall be left out.
pNatural drain	>200	West	-
pNatural drain	>75	South	-

PP further stated that no blasting is proposed and only manual mining shall be carried out. After presentation the committee asked to submit following details:

1. DSR approved letter from the concerned competent authority.
2. Revised EMP as suggested by committee.
3. Reassessment of vehicular load.
4. Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum Quarry 1,00,000 cum/annum.
2. 10 meters setback shall be left as non mining area on the northern side of the lease due to proximity with kachha road.
3. A budgetary provision for Environmental management Plan of Rs. 29.43 Lakh as capital and Rs 19.64 Lakh/year and under CER Rs. 0.60 Lakh/years has proposed.

8. Case No. – 6317/2019 Shri Ramswarup Rai, Barapathar, Tehsil & Dist. Seoni, MP – 480661 Prior Environment Clearance for Crusher Stone (Basalt) Quarry in an area of 3.40 ha. (43,180 cum per annum) (Khasra No. 12 Part), Village - Balarpur, Tehsil - Seoni, Dist. Seoni (MP).

This is case of Crusher Stone (Basalt) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 12 Part), Village - Balarpur, Tehsil - Seoni, Dist. Seoni (MP) 3.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 52 dated: 16/04/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction
Plantation	In the North- West corner of the lease	Commitment that this shall be no mining area.
Canal	>160 meters in the south & >170 meters in the east (NE to SW end of the lease)	Provisions of garland drain and settling tanks

After presentation the committee asked to submit following details:

DSR approved letter from the concerned competent authority.

- DSR approved letter from the concerned competent authority.
- Existence of plantation in the North- West corner of the lease, commitment from the PP that this shall be no mining area and no tree falling will be carried out.
- As crusher is already installed copy of the consent shall be submitted by the PP.
- Revised EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence

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

1. Production shall be as per mine plan with quantity not exceeding for Crusher Stone (Basalt) 43,180 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 23.49 Lakh as capital and Rs. 3.90 Lakh/year and under CSR Rs. 0.80 Lakh/years has proposed.

9. Case No. – 6352/2019 Shri Gopal Krishna Tiwari S/o Shri Krishna Tiwari, Village - Ananapur, Post -Gopiganj, Sant Ravidas Nagar, Dist. Bhdohi, UP – 221303 Prior Environment Clearance for Metal Stone Quarry in an area of 1.50 ha. (16,160 cum per annum) (Khasra No. 317/1/Kha/1, 317/1/Gha, 317/1/Ga, 317/1/Ka), Village - Biradei, Tehsil - Hanumana, Dist. Rewa (MP).

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 317/1/Kha/1, 317/1/Gha, 317/1/Ga, 317/1/Ka), Village - Biradei, Tehsil - Hanumana, Dist. Rewa (MP) 1.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 978 dated: 01/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural drain	>100	North	Provision of garland drain and settling tanks.
03 Trees	Within the lease	-	Commitment that for no tree cutting in mining lease area.
Isolated scattered houses	Just vicinity	South and N-East	Three rows of plantation.

After presentation the committee asked to submit following details:

- Commitment that for no tree cutting in mining lease area.
- Revised EMP with cost of road construction budget.
- Revised plantation species as suggested by the committee.
- Agreement with land owner.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Metal Stone 16,160 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.32 Lakh as capital and Rs.2.91 Lakh/year and under CSR Rs. 0.36 Lakh/years has proposed.

10. Case No. – 6359/2019 Shri Vinod Singh, Shashtri Nagar, GopadBanas, Dist. Sidhi, MP – 486661 Prior Environment Clearance for Crusher Stone Quarry in an area of 1.920 ha. (15,288 cum per annum) (Khasra No. 372/2, 381/2, 382/2, 383/3), Village - Shivpurwa, Tehsil - GopadBanas, Dist. Sidhi (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 372/2, 381/2, 382/2, 383/3), Village - Shivpurwa, Tehsil - GopadBanas, Dist. Sidhi (MP) 1.920 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 962 dated: 05/02/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, the crusher is already installed in the lease area also the lease is non- contiguous and it is in two parts For which PP submitted that one lease was <1.00 ha and thus to make lease > 1.00 ha

another lease was sanctioned and thus the leases are non-contiguous. Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	>35 & >15	NE & NW	Three rows of plantation.
Some Trees	On the lease boundary	-	NO tree cutting shall be done.
Isolated scattered houses	Just vicinity	South and N-East	Three rows of plantation.

After presentation the committee asked to submit following details:

- Revised EMP with include cost of road construction budget.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Crusher Stone 15,288 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 17.32 Lakh as capital and Rs. 2.01 Lakh/year and under CSR Rs. 0.70 Lakh/years has proposed.

11. Case No. – 6277/2019 M/s Vidushi Stone Crusher, R/o 6-22, Shalimar 7Garden, Hoshangabad Road, Dist. Bhopal, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 2.003 ha. (14,300 cum per annum) (Khasra No. 14P), Village - Pipliyagoli, Tehsil - Gauharganj, Dist. Raisen (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 14P), Village - Pipliyagoli, Tehsil - Gauharganj, Dist. Raisen (MP) 2.003 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1307 dated: 07/10/15 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

During presentation, it was observed through DFO certificate dated 18/12/2015 that the lease is within the ESZ of Ratapani Abhayaran. However, PP stated that the lease area is 1.2 KM from the Ratapani Wildlife Sanctuary. In this context committee asked PP, to submit fresh certificate from the DFO regarding exact distance of lease area to the ESZ of the Ratapani Wildlife Sanctuary w.r.t. sanctuary, notified by the MoEF&CC vide S.O. 2605 (E), dated 11th August, 2017. During presentation it was further observed by committee that the lease area is already excavated for which PP submitted that this is pre excavation pit and they have also shown the same in the mine plan as 30,000 cum stone is excavated from this lease previously before allotment to them. Within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pakka road	>205	SW	-
Settlement	>300 & >335	West & south	Three rows of plantation

After presentation the committee asked to submit following details:

- Fresh certificate from the DFO regarding exact distance of lease area to the ESZ of the Ratapani Wildlife Sanctuary w.r.t. MoEF&CC vide S.O. 2605 (E), dated 11th August, 2017.
- Revised CER as suggested by the committee for various school activities.
- DSR approval letter.

12. Case No. – 6287/2019 Shri Inqulab Chaturvedi, R/o Bunglow No. 25, Nowgaon, Dist. Chhatarpur, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 1.00 ha. (11,400 cum per annum) (Khasra No. 109/2/2 Parts), Village - Aamkheda, Tehsil - Chhatarpur, Dist. Chhatarpur (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 109/2/2 Parts), Village - Aamkheda, Tehsil -

Chhatarpur, Dist. Chhatarpur (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1802 dated: 01/04/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	>110	NW	-
Settlement	300 meters	South	Three rows of plantation
Natural drain	>300	NE	Provision of garland drain and settling tanks.
Water body	>130	West	

After presentation the committee asked to submit following details:

- Revised CER with include name of five affected villages.
- Revised plantation as suggested by committee.
- Inventory of trees in lease area and commitment that 04 trees in mineralized zone will be uprooted after the approval of competent authority.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Metal Stone 11,400 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.64 Lakh as capital and Rs. 2.73 Lakh/year and under CSR Rs. 1.65 Lakh/years has proposed.

13. Case No. – 6288/2019 Smt. Shabra Bano, Village - Saleha, Tehsil - Gunnor, Dist. Panna, MP Prior Environment Clearance for Flagstone Quarry in an area of 1.00 ha. (4,032 cum per annum) (Khasra No. 15/2 Parts), Village - Lilwar, Tehsil - Pawai, Dist. Panna (MP).

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 15/2 Parts), Village - Lilwar, Tehsil - Pawai, Dist. Panna (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 738 dated: 09/05/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Settlement	>100	NE	Three rows of plantation

A

Further, the PP stated that there are only manual mining is proposed and no blasting is proposed.

After presentation the committee asked to submit following details:

- Land ownership agreement.
- Top soil management plan as suggested by committee.
- Inventory of trees in lease area and commitment that 01 tree in mineralized zone will be uprooted after the approval of competent authority.
- Revised CER with include budget for school library and science lab with name of five affected villages.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence

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

1. Production shall be as per mine plan with quantity not exceeding for Flagstone 4,032 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 3.77 Lakh as capital and Rs. 1.18 Lakh/year and under CSR Rs. 37,500 /years has proposed.

14. Case No. – 6289/2019 Shri Ajeet Kumar Mishra, House No. F-302, Savaye Complex, Gulmohar Colony, Dist. Bhopal, MP Prior Environment Clearance for Murrum Quarry in an area of 1.00 ha. (5,966 cum per annum) (Khasra No. 757/3 Parts), Village - Kalakhedi, Tehsil - Huzur, Dist. Bhopal (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 757/3 Parts), Village - Kalakhedi, Tehsil - Huzur, Dist. Bhopal (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1387 dated: 22/04/19 has reported that there is 02 more mine operating or proposed within 500 meters around the said mine with total area of 4.00 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Water body	>75	South	-
02 Trees	Within lease	-	Commitment that no tree falling will be done.
Pakka road	>400	South	Three rows of plantation
Natural drain	>120	North- East	-

PP further, PP stated that no blasting is proposed and only manual mining shall be carried out. After presentation the committee asked to submit following details:

- Commitment that no tree falling will be done.
- Top soil management plan.
- Inventory of trees in lease area and commitment that 02 tree in mineralized zone will be uprooted after the approval of competent authority.
- Revised EMP include budget for VT training.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum Quarry 5,966 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 4.60 Lakh as capital and Rs 1.83 Lakh/year and under CER Rs. 0.37 Lakh/years has proposed.

15. Case No. - 6315/2019 Smt. Shyama Devi, Village - Tiwani, Dist. Satna, MP – 486001 Prior Environment Clearance for Stone Quarry in an area of 1.075 ha. (6,500 cum per annum) (Khasra No. 299/1/Ka, 299/1/Kha), Village - Tiwani, Tehsil - Rampur Baghelan, Dist. Satna (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 299/1/Ka, 299/1/Kha), Village - Tiwani, Tehsil - Rampur Baghelan, Dist. Satna (MP) 1.075 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1123 dated: 29/03/19 has reported that there is 02 more mine operating or proposed within 500 meters around the said mine with total area of 4.289 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Canal	>200	South	-
Kachha Road	>200	East	-
Some Trees	Falling in the 7.5 meters barrier zone.	-	Commitment no tree failing is proposed.
Natural drain	>300	NE	-

After presentation the committee asked to submit following details:

- Commitment that no tree failing shall be proposed.
- Revised EMP as suggested by the committee & CER with include name of five affected villages.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 6,500 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.12 Lakh as capital and Rs. 4.62 Lakh/year and under CSR Rs. 0.40 Lakh/years has proposed.

16. Case No. – 6294/2019 Smt. Snehlata Singh, M/s Naina Stone Mine, Village - Sagmaniya, Tehsil - Raghurajnagar, Dist. Satna, M{ - 458114 Prior Environment Clearance for Stone Mine in an area of 2.082 ha. (5,000 cum per annum) (Khasra No. 116/5/1, 121/2, 173/2), Village - Naina, Tehsil - Raghurajnagar, Dist. Satna (MP).

This is case of Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 116/5/1, 121/2, 173/2), Village - Naina, Tehsil - Raghurajnagar, Dist. Satna (MP) 2.082 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 777 dated: 08/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed from the Google image that the lease is already excavated for which PP submitted that they have alerted obtained EC from DEIAA issued vide letter no. 2664 dated 15/11/2016 and since their lease validity has expired and the district mining department is not extending the lease validity and thus they have applied for fresh EC. Committee deliberated and recommends that since this case has valid EC and there is no change in the production quantity thus as per MoEF&CC OM no. J-11011/15/2012-IA II (M) dated 20/03/2015, the EC issued earlier is valid and no fresh EC is required at the time of lease renewal.

17. Case No. – 6305/2019 Shri Rajdeep Singh Sisodiya, Village - Sandla, Tehsil - Badnawar, Dist. Dhar, MP – 454660 Prior Environment Clearance for Stone Quarry in an area of 3.00 ha. (14,831 cum per annum) (Khasra No. 241/1/2), Village - Sandla, Tehsil - Badnawar, Dist. Dhar (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 241/1/2), Village - Sandla, Tehsil - Badnawar, Dist. Dhar (MP) 3.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 225 dated: 11/02/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
01 tree	Within lease	-	Commitment for no tree failing.
Natural Drain	>60	South	-

Dam/ water body	>150	SW	Provision of garland drain and settling tanks.
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After presentation the committee asked to submit following details:

- 01 tree within lease. Commitment that no tree failing shall be done.
- Details of blasting with proposed measures to protect dam due to blasting.
- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 29.06.2019, which was placed before the committee and the same found satisfactory and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 14,831 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.916 Lakh as capital and Rs. 4.39 Lakh/year and under CSR Rs. 0.70 Lakh/years has proposed.

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(Dr. J. P. Shukla)
Member

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

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

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

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

12. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
23. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
24. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

Annexure- 'C'

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

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

5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

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

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.

19. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.

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

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