

The 481<sup>st</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 16<sup>th</sup> February, 2021 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

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.
6. Dr. Rubina Chaudhary, Member.
7. Shri A.A. Mishra, Secretary.

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

**1. Case No 7287/2020 M/s J.K. Cement Works, Ujjain (A Unit of J.K. Cement Limited), through GM Legal and Corporate Affairs Kamla Tower, Kanpur (UP)-208001 Prior Environment Clearance for approval of Clinker grinding Unit with Cement Production at 17, 24, 25, 36, 37, 38, 39 and 41 at Village- Madhavgarh, Tehsil- Ghatiya, District- Ujjain (MP) Land area - 10.75 ha. Proposed Capacity 1.50 MTPA and D.G. sets (1250 KVA & 125 KVA)**

This is a case of Clinker grinding Unit with Cement Production (Proposed Capacity 1.50 MTPA and D.G. sets (1250 KVA & 125 KVA). The project is covered under item 3(b) in the schedule of EIA notification hence requires prior EC from SEIAA before commencement of any activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

Earlier this case was scheduled for presentation and discussion in 446<sup>th</sup> SEAC meeting dated 06/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 12.01.2021 which was forwarded through SEIAA vide letter no. 5860 dated 27.01.2021, which was placed before the committee.

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

- M/s. J.K. Cement Works, Ujjain (A Unit of J.K. Cement Limited) is proposing a Clinker Grinding Unit with Cement Production Capacity of 1.50 Million TPA and D.G. Sets of 1250 and 125 kVA at Village at Madhavgarh, Tehsil: Ghatiya, District: Ujjain (Madhya Pradesh).

Project Proposal	Product	Proposed Capacity
	Cement (Million TPA)	1.50
	D.G. Sets (kVA)	1250 & 125
Screening Category	As per EIA Notification dated 14 <sup>th</sup> Sept., 2006, as amended from time to time; the project falls under Category “B”, Project or Activity ‘3(b)’ Cement Plants.	

- Four products are envisaged. The total production will be 1.50 MTPA Cement:
- Ordinary Portland Cement (OPC)
- Portland Pozzolana Cement (PPC)
- Portland Slag Cement (PSC)
- Composite Cement
- There is no generation of fly ash from the Grinding Unit. However, fly ash will be utilized as a raw material in manufacturing of PPC. It will be transported by road from TPP at Khandwa, NTPC, Khargaon Madhya Pradesh. Transportation of Fly ash will be done by closed bulkers and loading & unloading will be done through pneumatic system. Out of the total proposed project area of 10.75 ha, 33% (i.e. 3.55 ha) will be developed under greenbelt development / plantation.
- Rain water harvesting system will be installed to conserve water and to replenish ground water resources of the area for long term sustenance of the industry. J.K. Cement Works has proposed to rejuvenate two number of large recharge pond outside plant premises in Azampur and Sodang villages within the same watershed. Total Artificial Rainwater harvesting inside the Grinding Unit works out to be 31849 cum/year and Artificial Rainwater harvesting Outside the Grinding Unit work out to 99960 cum/year thus total rainwater harvesting potential by the proposed grinding unit is 131809 cum/year.
- Company has explored the possibility for using surface water from Shipra river for which permission for withdrawal of 164 KLD of surface water from Shipra River for industrial purpose has been obtained from MPWRD vide letter no. V.P.N.M./31/Tech/Ra.Str - 939/ 2020/604 dated 25th Nov., 2020.

- Also, NOC for withdrawal of 20 KLD of ground water for drinking purpose has also been obtained from CGWB NOC no., CGWA/NOC/IND/ORIG/2020/8961 dated 19th Nov., 2020.
- STP of 10 KLD facility has been proposed for treatment of domestic waste water generated from Plant and Canteen/Pantry.

After presentation it was informed to the PP that at certain places in EIA data/information needs correction. Therefore, after presentation committee asked PP to submit corrected copy of EIA Report after making necessary corrections as pointed out/suggested during presentation. After presentation, PP was asked to submit following information:

1. Corrected EIA Report incorporating all the suggestions given Committee members including Mass Balance, Ash Content in coal below 35 %, Annual Sampling of one soil sample for heavy metal and pesticides is enclosed herewith along with executive summary and Form- II.
2. Revised plantation scheme as suggested during presentation.
3. Revised EMP.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide letter dated 16.02.2021 submitted reply of the above query. The query reply was placed before the committee, 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 approval of Clinker grinding Unit with Cement Production at 17, 24, 25, 36, 37, 38, 39 and 41 at Village- Madhavgarh, Tehsil- Ghatiya, District- Ujjain (MP) Land area - 10.75 ha. Proposed Capacity 1.50 MTPA (Million TPA) and D.G. sets (1250 KVA & 125 KVA), subject to the following special conditions:

**I. Statutory compliance:**

- I. 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 concerned State pollution Control Board/ Committee.
- II. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.

III. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

**II. Air quality monitoring and preservation**

- I. The project proponent shall install 24x7 continuous emission monitoring system for PM level at Cement Mill Stack to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 31<sup>st</sup> May, 2016 (Cement) and connected to SPCB 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.
- II. 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.
- III. The project proponent shall install Manual 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 SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) at plant Boundary (at least at three locations area at an angle of 120° each).
- IV. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report.
- V. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources so as to comply prescribed stack emission and fugitive emission standards.
- VI. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- VII. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- VIII. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- IX. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
- X. Provide wind shelter fence and chemical spraying on the raw material stock piles; and
- XI. Have separate truck parking area and monitor vehicular emissions at regular interval.

- XII. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.
- XIII. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants

### **III. Water quality monitoring and preservation**

- I. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- II. Adhere to 'Zero Liquid Discharge.
- III. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- IV. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- V. The project proponent shall practice rainwater harvesting to maximum possible extent.
- VI. Water meters shall be provided at the inlet to all unit processes in the cement plant.
- VII. The project proponent shall make efforts to minimize water consumption in the Cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.

### **IV. Noise monitoring and prevention**

- I. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- II. 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.

### **V. Energy Conservation measures**

- I. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- II. Provide the project proponent for LED lights in their offices and residential areas.
- III. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.

**VI. Waste management**

- I. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- II. Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plants.
- III. Soil analysis with heavy metals shall be done once in a year.
- IV. Fly ash shall be used 100% inhouse.
- V. Coal shall be used minimum (< 35%) ash content.

**VI. Green Belt**

- I. Green belt shall be developed in an area equal to 33% (7000 nos.in 3.55ha.) of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- II. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

**VIII. Public hearing and Human health issues**

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. 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.
- IV. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

**IX. EMP**

- I. In the proposed EMP, capital cost is Rs. 22.74 Crore Lakh is proposed and Rs.1.23 Crore Lakh /year as recurring expenses.
- II. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

S.No.	Activity
A.	Employment
1.	Total manpower requirement for the proposed project will be around 250 persons during operation phase. During construction phase, around 475 contractual workers and 25 permanent employees will be employed. Preference will be given to local people on the basis of their eligibility.
B.	CSR Related
1.	Construction of Community centre at villages Madhavgarh, Khalana and Sodang, Size - 18 x 20 feet = 360 square feet. Renovation like White wash and minor repairing of school in villages Madhavgarh, Khalana, Chakrada, Sodang, Gunaya.
2.	Renovation like White wash and minor repairing of health centre in villagesKhalana, Chakrada, Sodang, Gunaya.
3.	Strengthening and widening road network of approx. 1.4 km from Project site at villages Madhavgarh, connecting with SH-17. RCC Road width from 3 to 7 meter.
4.	Widening of the road Connecting road from SH - 17 to Madhavgarh, width - 3.5 meter, Length - 300 meter.
C.	Drinking Water
1.	Tanker cost for transportation of 15 KLD will be born by company in village Madhavgarh. Required amount will be paid to the Panchayat by the company against transportation only.
2.	One water tank of 5 KL will be provided to Madhavgarh village.
3.	If, required by the Panchayat, one bore well will be constructed for Madhavgarh and cost will be paid by the company.
D.	Plantation
1.	Plantation development in nearby areas in 3 years. Total saplings will be 4000.
2.	Along the Road from SH - 17 to Village Khalana via plant, 2.5 KM, Plantation - 1660 nos.
3.	Govt. School Gunaya-50 nos. saplings along school boundary
4.	Govt. School Sodang-50 nos. saplings along school boundary
5.	Link road to Madhavgarh-50 nos. saplings Hill area of Madhavgarh, 2190 nos. in 1.5 ha

- III. The project proponent shall comply with the provisions as applicable, regarding Corporate Environment Responsibility.
- IV. The company shall have a well laid down environmental policy duly approve 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.
- V. 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.
- VI. 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.
- VII. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- VIII. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

**X. Miscellaneous**

- I. The project proponent shall monitor the criteria pollutants level namely; stack emissions) and display the same at a convenient location for disclosure to the public and put on the website of the company.
- II. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- III. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- IV. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities,



commencing the land development work and start of production operation by the project.

- V. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- VI. 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.
- VII. 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).
- VIII. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- IX. The Company in a time bound manner shall implement these conditions.
- X. 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. - 7819/2000 M/s Asterisk Chemicals Pvt. Ltd, 68-B, Industrial Area, Maksi, Dist. Shajapur, MP - 465106, Prior Environment Clearance for Manufacturing of Flavor, Fragrances, Antioxidants and Aromatic Compounds (Synthetic Organic Chemicals and Chemical \*Intermediates, Capacity – 7710 MTPA. at Plot No. 68-B, Industrial Area, Maksi, Dist. Shajapur (MP) Cat. - 5(f) Synthetic Organic Chemicals Industry Project. FoR- B2 Category Case. Env. Con. – Creative Enviro Services, Bhopal (M.P.)**

This is case of Prior Environment Clearance for Manufacturing of Flavor, Fragrances, Antioxidants and Aromatic Compounds (Synthetic Organic Chemicals and Chemical Intermediates) at Plot No. 68-B, Industrial Area, Maksi, Dist. Shajapur (MP).

Earlier this case was scheduled for presentation and discussion in 446<sup>th</sup> SEAC meeting dated 06/07/2020 wherein ToR was recommended.

Earlier this case was scheduled for presentation and discussion in 469<sup>th</sup> SEAC meeting dated 17/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/01/2021 which was forwarded through SEIAA vide letter no. 6085 dated 09/02/2021, which was placed before the committee.

The case was presented by the PP and their consultant wherein stated that this is case of Environment Clearance for Manufacturing of Flavor, Fragrances, Antioxidants and Aromatic compounds at Plot No.68-B, Industrial Area, Maksi, Distt. Shajapur, Madhya Pradesh-465001 Capacity – 7710 MT/Annum. The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site.

During presentation PP has submitted following project details:

- Asterisk Chemicals Private Limited is having its manufacturing plant and was operational under water and air consent given by Pollution Control Board.
- The company has dropped its existing products and now planning to manufacture Flavor, Fragrances, Antioxidants and Aromatic compounds (Synthetic Organic Chemicals and Chemical Intermediates) with Production Capacity of 7710 MT/PA.
- The production facility is at Plot No.68-B, Industrial Area, Maksi, Distt. Shajapur, Madhya Pradesh with total land area of 10564.62 Sq. MT.
- The existing complete infrastructure will be utilized with some expansion. The process which will be adopted is a catalyst based technology which reduces water consumption and effluent generation.
- India is an upcoming center for global production of aroma and flavor ingredients. Our production facility will reduce our dependency on countries like China and Malaysia.

### **Project Details:**

<b>Required details</b>	<b>Project Details</b>
Site Address	Plot No.68-B, Industrial Area, Maxi, Distt. Shajapur, M.P.
Land available (No new land will be purchased)	10564.62 Sq.mt. or 1.05 Hectare
Proposed Production Capacity	7710 MT/Yr.
Cost of Project (Including Expansion)	7.5 Cr

Manpower Requirement	20 Nos.
Power requirement	500 KVA
Water Requirement & Source	40 KLD Borewell/Outside Tanker
Boiler capacity	4 TPH, Biocoal, Coal based
DG set	1 no. (500 KVA)
Scrubber	1 no.
Plantation (Green belt development)	3486.42 Sq.mt.
EMP Cost (Capital)	31 Lacs
EMP cost ( recurring)	8.36 lacs

**Raw Materials:**

S.No.	Name of Raw Material	Quantity (MT/PA)
1	Ketone	300
2	Hydroxyl Hydrocarbon	810
3	Hydrogen/Oxygen	220
4	Aromatic compound	620
5	Alkyl Halide	310
6	Solvent	590
7	Catalyst	210
8	Arene	200
9	Base/Alkali	390
10	Aryl Halide	330
11	Formyl	300
12	Halogen	190

13	Carboxylic acid	700
14	Alkylation media	280
15	Alcohol	210
16	Anhydride	440
17	Amine	170
18	Acid	260
19	Dehydrating agent	350
20	Unsaturated Alkene	390
21	Organic salt	70
22	Ether	100
23	Hypochlorite	55
24	Oxides	135
25	Ammonia	20
26	Aldehyde	30
27	Salt	30

**Proposed Equipment list**

<b>Sr. No.</b>	<b>Equipment</b>	<b>Nos.</b>	<b>Capacity</b>
1	Boiler	1	4TPH
2	Oil Heater	1	5Lkcal/hr
3	Cooling tower	3	650TR
4	Chiller	1	40TR
5	Vacuum system	5	1torr
6	Pilot setup	2	100 litre

7	Reactor	30	98KL
8	Vessels	15	49KL
9	Tank	20	200KL
10	Drier	8	15TPD
11	Centrifuge	10	48 inches
12	Genset	1	500KVA
13	Crystalliser	3	15TPD
14	Mixer/Blender	3	2TPD
15	Solvent Storage system	2	60KL
16	Solvent recovery system	1	3KL
17	Effluent Treatment Plant	1	15KL/day
18	Evaporator	1	20 KL/day

After presentation, PP was asked to submit of following details:

1. Verify Boiler Ash Calculation.
2. Commitment for installation of ATFD.
3. Bifurcation of the existing and proposed equipment/machineries.

PP vide letter dated 17/02/2021 submitted reply of the above query. The query reply was placed before the committee, 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 Flavor, Fragrances, Antioxidants and Aromatic compounds at Plot No.68-B, Industrial Area, Maksi, Distt. Shajapur, Madhya Pradesh-465001 Capacity – 7710 MT/Annum., Category- Synthetic Organic Chemicals Industry Project, subject to the following special conditions:

**List of Proposed EC Product:**

S.No.	Product list	Proposed Quantity(MT/Year)
1	Ether	2100
2	Ester/Ketone	1800
3	Alkylated Derivatives	800
4	Halogenated Compound	150
5	Aldehyde	500
6	Lactone	400
7	Acid	600
8	Hydrogenated Compound	600

**Product Profile for Non-EC Products**

S.No.	Product list	Proposed Quantity(MT/Year)
1	Aromatic Formulation	500
2	Formulation	110
3	Salt/Salt solution	150

**(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 carriedout.
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 monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act,1986.
2. Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
3. 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.
4. 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. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
2. The net fresh water requirement shall be 40 KLD. The rejected water will be reused for gardening/green belt.
3. The industrial water requirement for the existing and proposed project is 40 KLD per day sourced from surface water supply. Total Water Requirement is 40 KLD in which 22 KLD water will be generated by the systems within the process and remaining 18 KLD water is the Total Fresh Water Consumption and treated in ETP of 15KLD followed by RO and Evaporator with ATFD.
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 18KLD.
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.

**(C) Noise monitoring and prevention**

1. 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.
2. 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 nighttime.

**(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 500 KVA. The power will be supplied by Power Generator i.e. Grid power.

**(F) Waste management**

1. PP will be using Biocoal, coal as a fuel in boiler.
2. 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.
3. As proposed, 95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
4. Hazardous wastes such as Used oil, distillation residue, ETP sludge, Spent Carbon, discarded containers and bags, Waste or residues containing oil will be sent to TSDF/ authorized recyclers
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 firefighting 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 firefighting arrangements in consultation with the fire department should be provided against fire incident.
12. 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.
13. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
14. 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.

**(G) Green Belt**

1. 3486.42 sq. meter area will be covered with the good green belt. 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.
3. PP shall also develop green belt along the road with 100 numbers of trees. Further PP shall develop green belt over community places in consultation with DIC formic.

**(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) EMP**

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. 31 Lakh as capital and 8.36 Lakh /year as recurring cost. In Environmental Management Plan following activities has been proposed by PP:
6. PP has proposed physical targets based on public hearing under Corporate Environment Responsibility (CER) as .
  - As library (Table 50nos. Chair 50 nos.), Games equipment, sanitation facilities (toilets), drinking water facility, fans in classroom (5 nos.) etc.in below mentioned schools. (Anganwadikendrya, Indra Colony,ward no. 5,Maksi , Government Madhyamikvidhyala, Railway station, Maksi and more nearby schools).
7. 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.

8. 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, 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.

3. **Case No. – 6722/2019 M/s. Mahaluxmi Mines and Stone Crusher, Village - Bilawal, Post - Atela Khurd, Tehsil & Dist. Charkhi Dadri, Haryana. Prior Environment Clearance for Stone Quarry in an area of 6.1340 ha. (1,39,497 cum per annum) (Khasra No. 127, 128, 129, 130, 131, 135, 136, 140/1, 140/2, 141, 142, 143, 144/1, 144/2, 145, 148/1/2, 148/1/3), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 127, 128, 128, 130, 131, 135, 136, 140/1, 140/2, 141, 142, 143, 144/1, 144/2, 145, 148/1/2, 148/1/3), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP).6.1340Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, District Survey 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's office vide letter no. 6128 dated

22/11/2019 has reported that there is 02 more mine operating or proposed within 500 meters around the said mine with total area of 8.734 ha including this mine.

Earlier this case was scheduled for presentation and discussion in 417<sup>th</sup> SEAC meeting dated 22/01/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 21/01/2021 which was forwarded through SEIAA vide letter no. 5862 dated 27/01/2021, which was placed before the committee.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining, wherein PP has submitted that Dam is located at a distance of 150 meters in the north side of the lease and a stream is also inlet in the eastern side at a distance of 250 meter pucca road is existed at 55 meter in the south side.

After presentation and deliberation, PP was asked to submit following information:

1. Disaster management plan w.r.t. to Dam is located at a distance of 150 meters in the north side of the lease and a stream is also inlet in the eastern side at a distance of 250 meter.
2. Revised EMP with addition to 04 m wind braking wall of MS sheets.
3. Revised plantation scheme and species as suggested by committee.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 16.02.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Stone Quarry in an area of 6.1340 ha. (1,39,497 cum per annum) (Khasra No. 127, 128, 129, 130, 131, 135, 136, 140/1, 140/2, 141, 142, 143, 144/1, 144/2, 145, 148/1/2, 148/1/3), Village - Harrai Gujran, Tehsil - Mauganj, Dist. Rewa (MP), subject to the following special conditions:

#### **(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.

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

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Cone Crusher shall be erected 100 m away from the road.
20. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
21. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 9200 trees shall be planted on barrier zone, backfilled area and along the transportation route.
22. Transportation of material shall be done in covered vehicles.

23. Transportation of minerals shall not be carried out through forest area.
24. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
25. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1230M X 1M X 1M. The settling tank will be 04 in number of size 5mx 2m x 2m.
26. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

33. In the proposed EMP, capital cost is Rs. 46,76,828Lakh is proposed and Rs.25,16,570 Lakh /year as recurring expenses.
34. PP has proposed physical targets based on public hearing under Corporate Environment Responsibility (CER).

Sl. No.	Considerations	Unit	Physical Target
1	Maintenance and beautification of school building at Haraigujran will include improving toilets, repair and whitewash of building, repair of boundary wall, etc.	Schools	01
2	Maintenance of Aganwadi Centre and provision of basis services such as drinking water, toilet, etc.	Aganwadi Centres	03
3	Distribution of masks and sanitizers to villagers and conducting an awareness program through Panchayat for the	Villages	03

	Protection from the spread of Corona virus (COVID 19 Pandemic).		
4	Development of grassland using prosobis seeds on government waste land	Grasslands	05
5	Maintenance of Village Roads	Roads	02

35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
36. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**4. Case No 8039/2020 Shri Prabhanshu Pandey S/o Shri Deendayal Pandey, 122, Station Road, Ward No. 29, Shajapur, Dist. Shajapur, MP Prior Environment Clearance for Stone Quarry in an area of 4.011 ha. (15000 cum per annum) (Khasra No. 711/1, 711/2, 711/3, 711/4, 711/5, 711/6), Village - Bathiya, Tehsil - Maihar, Dist. Satna, (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 711/1, 711/2, 711/3, 711/4, 711/5, 711/6), Village - Bathiya, Tehsil - Maihar, Dist. Satna, (MP) 4.011 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. 1603 dated: 19/08/2020 has reported that there are 06 more mines operating or proposed within 500 meters around the said mine total area of 19.403 ha., including this mine.

The case was scheduled in 474<sup>th</sup> meeting dated 08/01/2021 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.

The case was scheduled again for 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. PP was also absent in the SEAC 476<sup>th</sup> meeting dated 29/01/2021 & SEAC 474<sup>th</sup> meeting dated 08/01/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The 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.

5. **Case No 8153/2021 M/s Mantra Infrastructure, E-5/16, 1st Floor, Commercial Complex, Area Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Proposed Residential Project "Orchard Majesty" (Total Area = 40490.0 sqm, Total Built-up Area = 35878.25 sqm) at Village - Gondermau, Tehsil - Huzur, Dist. Bhopal (MP)**

This is case of Prior Environment Clearance for Proposed Residential Project "Orchard Majesty" (Total Area = 40490.0 sqm, Total Built-up Area = 35878.25 sqm) at Village - Gondermau, Tehsil - Huzur, Dist. Bhopal (MP).

The case was presented by the PP and their consultant wherein PP submitted the salient features of the project:



<b>Name of the Project</b>	<b>: Orchard Majesty of M/S Mantra Infrastructure</b>
<b>Coordinates of Site</b>	<b>: 23°18'0.35"N, 77°20'58.78"</b>
<b>Total Plot Area</b>	<b>: 40490 Sq.Mt.</b>
<b>Proposed Built-Up Area</b>	<b>: 35878.25 Sq.mt</b>
<b>Total No. of units</b>	<b>: 222 Nos. Plots, 14 Nos. LIG, 21 Nos. EWS, 20 Nos. Convenient Shops, 1 No. Club House.</b>
<b>Expected Population</b>	<b>: 1335</b>
<b>Water requirement</b>	<b>: 210 KLD</b>
<b>Source of Water</b>	<b>: Municipal Corporation Bhopal</b>
<b>Power requirement</b>	<b>: 857 KVA</b>
<b>Source of Power</b>	<b>: MPSEB</b>
<b>DG Set</b>	<b>: 1 Nos. (62.5 KVA)</b>

<b>Solid Waste Generation</b>	<b>: 0.547 TPD</b>
<b>Waste Water Generation</b>	<b>: 155 KLD</b>
<b>Treated Waste Water Generation</b>	<b>: 139.3 KLD (After maximum reuse, 43 KLD treated water will be disposed into nearby municipal line/nallah.</b>
<b>Capacity of STP</b>	<b>: 155 KLD on 100% Load &amp; 160 KLD proposed.</b>
<b>Parking</b>	<b>: 277 ECS</b>
<b>Height of Building</b>	<b>: 14.40 M + Basement</b>
<b>Railway Station</b>	<b>: Bhopal Railway Station 7.34 Km (SE) away from site</b>
<b>Air Port</b>	<b>: Bhopal Airport– 1.59 Km (SW) away from site</b>
<b>Topography</b>	<b>: Almost Flat</b>
<b>Annual Average Rainfall</b>	<b>: 1146 mm</b>

### **Statutory Approvals Obtained**

1	T & CP APPROVAL- BHOPAL	BPLLP7007/L.P 205/29/NGRANI/GKA 2020 BHOPAL DATED 08/01/2021
2	COPY OF COLONIZER REGISTRATION	REG. NO./60/2011 DATED 11/07/2011
3	COPY OF WATER SUPPLY CONSENT FROM BMC	271/S.YANTRI/JALKARYA/ZONE 01/NA.NI.BHO DATED 27/01/2021

4	COPY OF MSW DISPOSAL CONSENT FROM BMC	439/SWA.SHA.ZONE KRA01/2021 DATED 27/01/2021
5	COPY OF DISPOSAL OF EXTRA TREATED WATER CONSENT FROM BMC	SEWAGE PRAKOSHTHA/2020 DATED 27/01/2021
6	COPY OF NOC FROM AIRPORT AUTHORITY OF INDIA	BHAVIPRA/N.P.N.O.C./2020/NOV/05 DATED 06/11/2020

During presentation it was observed by the committee that a seasonal drain is originating from site for which PP submitted that they have planned to channelize this drain which will meets the existing natural drain on the eastern side. Committee after presentation and deliberation PP was asked to submit following information for further consideration of the project.

- Complete drainage plan with contour levels.
- Revised conceptual plan showing row houses.
- Revised water demand requirement for different activities including fresh water.
- Commitment that 02 entry and exit gate shall be provided.

PP vide letter dated 16.02.2021 has submitted the revised plantation species details which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Proposed Residential Project "Orchard Majesty" (Total Area = 40490.0 sqm, Total Built-up Area = 35878.25 sqm) at Village - Gondermau, Tehsil - Huzur, Dist. Bhopal (MP). Cat. 8(a) subject to the following special conditions:

### **Statutory Compliance**

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. 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 concerned State Pollution Control Board/Committee.

- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- ix. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

## **II. Air Quality Monitoring and preservation**

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 01 Diesel power generating sets of 62.5 KVA is proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and

other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.

- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG sets 62.5 KVA \*01 no. shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

### **III. Water quality monitoring and preservation**

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. The Main source of water supply will be Municipal water supply. It will cater the domestic requirement whereas additional water requirement will be fulfilled by treated water from STP. In construction phase we will take water supply from the private tanker suppliers. The total water requirement for the proposed project is given below

S. No.	Item Description	Residential
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1	Domestic Water Requirement	170 KLD
2	Flushing Water Requirement	85 KLD
3	Landscaping & other uses	76 KLD
4	Total Water Demand	331 KLD
5	STP Capacity	On 100% Load 229 KLD Proposed 250 KLD
6	Available Treated Water through STP	206 KLD
7	Used Treated Water	161 KLD
8	Net Fresh Water	45 KLD

- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fire water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xviii. Sewage shall be treated in the MBBR based STP (Capacity – 160 KLD. The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xix. The waste water generated from the project shall be treated in STP of 160 KLD capacity (based on MBBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xx. No sewage or untreated effluent water would be discharged through storm water drains.
- xxi. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

**IV. Noise monitoring and prevention**

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

**V. Energy Conservation measures.**

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level /local building bye-laws requirement, which is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

## **VI. Waste Management**

- i. **Quantification of Solid Waste is as given below** (these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.)

<b>Facilities Provided</b>	<b>Waste Generation Norms</b>		<b>Basis of Assumption</b>	<b>Unit</b>		<b>Total Waste Generated (TPD)</b>
Residential	0.4	Kg/capita/day	CPCB	1335	Persons	0.534
Garden & Open Space	0.003	Kg/Sq m/day	Discussion with Horticulturist	4539.86	Sq.mt.	0.01361958
STP Sludge	0.33	Kg/MLD of wastewater treated	Manual for Sewerage and sewage treatment by CPHEEO	0.155	MLD	0.00005115
Waste Oil	100	Liters/MW/year	Assuming one maintenance per year	0.736	MW	73.6
<b>Total Waste Generated (TPD)</b>						<b>0.54767073</b>
<b>Total Biodegradable 55 % of total (TPD)</b>						<b>0.3012189</b>
<b>Total Non-Biodegradable 45 % of total (TPD)</b>						<b>0.24645183</b>

- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.



- v. All non-biodegradable waste shall be handed over to the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i. PP has provided 4539.86 sq.mt. of open park Area i.e. 11.54% of Plot area. In our project we have proposed total 393 trees of native species. Periphery 955.4 m.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

## **VIII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points
  - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 277 ECS .
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

## **IX. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.

- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. EMP**

- i. 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.
- ii. 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 balance 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 reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.
- v. For Environment Management Plan PP has proposed Rs. 72.70 Lakhs as capital and Rs. 08 Lakhs as recurring cost for this project.
- vi. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

Employment opportunities for construction laborers	Beneficial impact	Skilled, semi-skilled and unskilled labour will get employment which will improvement in their social conditions
Operation Phase		
Employment opportunities, Boost to local market	Beneficial impact	Project will provide employment opportunities. For local vendors, hawkers, domestic/

		<p>maintenance labours which will improvement their social conditions.</p> <p>Project will also boost the local market for increased demand in goods of daily need.</p>
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## XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
  - ii. 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 State Expert Appraisal Committee (SEAC)
  - iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  - iv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  - v. 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.
6. **Case No 8149/2021 Shri Om Prakash Mahato S/o Shri Ramlakhan Mahato, R/o, Sampuran Building, C-1/9, Indian Ramon Housing Society-2, Birawal Gir, Dist. Somnath, Guj. - 362530 Prior Environment Clearance for Stone Quarry in an area of 1.497 ha. (40000 cum per annum) (Khasra No. 827), Village - Badaura Kalan, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 827), Village - Badaura Kalan, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.497 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. 1485 dated: 14/08/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 15.297 ha., including this mine.

The case was presented by the PP and their consultant, PP submitted that no blasting proposed only rock breakers is proposed for carried out mining activity. Being it's a case Stone Quarry with total area of 15.297 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:-

- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Protection plan w.r.t. settlement which is >100 meters in the NE side.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.

7. **Case No 8150/2021 M/s Venus Mining and Minerals, Partner, Shri Ravi Kumar Goyal, Hotel P.S. Residency Compound, Bypass Road, Dist. Shivpuri, MP - 473551 Prior Environment Clearance for Sand Quarry in an area of 5.10 ha. (35000 cum per annum) (Khasra No. 181), Village - Chhitipur, Tehsil - Karera, Dist. Shivpuri (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 181), Village - Chhitipur, Tehsil - Karera, Dist. Shivpuri (MP) 5.10 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 (Ekal Praman-Patr) letter no. 7345 dated: 28/01/2021 has reported that there are no more mines 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, it was observed that in the south side of the lease road bridge is located PP submitted that they will follow Enforcement and Monitoring Guidelines For Sand Mining- 2020 by MoEF&CC prescribed for road bridge. Being it's a case sand quarry with total area of 6.5 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 south side of the lease Road Bridge is located follows Enforcement and Monitoring Guidelines for Sand Mining- 2020 by MoEF&CC prescribed for Road Bridge and left appropriate distance.
- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining

Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report(if any).

- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

8. **Case No 8161/2021 M/s Thagat Stone Crushers, Shri Pankaj Singh, Partner, Village - Sumeda, Post - Birha, Tehsil - Huzur, Dist. Rewa, MP - 486450 Prior Environment Clearance for Stone Quarry in an area of 1.629 ha. (18083 cum per annum) (Khasra No. 40/1/1, 40/1/2, 40/1/3, 40/3), Village - Baijnath, Tehsil - Huzur, Dist. Rewa (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 40/1/1, 40/1/2, 40/1/3, 40/3), Village - Baijnath, Tehsil - Huzur, Dist. Rewa (MP) 1.629 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. 611 dated: 27/01/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.629 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. In the the DFO, dated 04.11.2019 forest area is at a distance of approx. 150 meters from the lease boundary, for which PP has obtained approval from Divisional Commissioner Level Forest Committee, meeting held on 17.10.2019. After presentation the committee asked to submit following details:

- Land agreement document.

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, 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 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 of Stone as per mine plan with quantity not exceeding 18,083 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 4.02 Lakh as capital and Rs 1.82 Lakh/year is proposed by PP.

9. **Case No 8162/2021 M/s Harda Pathways Pvt. Ltd, Shri Nipum Agrawal, Director, 76, Mall Road, Mhow, Dist. Indore, MP – 453441 Prior Environment Clearance for Stone Quarry in an area of 3.985 ha. (138561 cum per annum) (Khasra No. 61, 63/1, 63/2, 63/3, 67/2), Village - Kharad, Tehsil - Khirkiya, Dist. Harda (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 61, 63/1, 63/2, 63/3, 67/2), Village - Kharad, Tehsil - Khirkiya, Dist. Harda (MP) 3.985 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. 2521 dated: 05/02/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 9.219 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 9.219 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:-



- Soil testing analysis report particularly w.r.t. Nitrogen (N), Phosphorous (P) and Potassium (K) values from their field from any Government approved Soil Testing Laboratory
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

10. **Case No 8140/2021 Shri Vaibhav Kumar Jain S/o Shri Vijay Kumar Jain, 197/2, Ward No. 06, Kundam, Dist. Jabalpur, MP Prior Environment Clearance for Stone Quarry in an area of 1.82 ha. (20000 cum per annum) (Khasra No. 276, 278, 279, 282/1, 282/2), Village - Bhoka Deori, Tehsil - Kundam, Dist. Jabalpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 276, 278, 279, 282/1, 282/2), Village - Bhoka Deori, Tehsil - Kundam, Dist. Jabalpur (MP) 1.82 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. 2452 dated: 11/12/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.97 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. After presentation the committee asked to submit following details:

- Revised EMP including budget for air quality monitoring and for wind breaking wall

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, 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 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 of Stone as per mine plan with quantity not exceeding 20,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 15.67 Lakh as capital and Rs 3.14 Lakh/year is proposed by PP.

11. **Case No 8142/2021 M/s Darbar & Darbar, Prop., Shri Hirendra Singh, R/o, 163, Ward No. 09, Ramnagar Road, Manasa, Dist. Neemuch, MP Prior Environment Clearance for Stone Quarry in an area of 1.42 ha. (10000 cum per annum) (Khasra No. 636, 637, 638/1), Village - Mahagarh, Tehsil - Manasa, Dist. Neemuch (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 636, 637, 638/1), Village - Mahagarh, Tehsil - Manasa, Dist. Neemuch (MP) 1.42 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.279 dated: 22/12/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. After presentation the committee asked to submit following details:

- Commitment of PP that no crusher is proposed within the lease.
- Revised EMP.

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, 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 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 of Stone as per mine plan with quantity not exceeding 10,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 12.31 Lakh as capital and Rs 2.72 Lakh/year is proposed by PP.

**12. Case No 8122/2021 Shri Manoj Patidar, Kukshi, Dist. Dhar Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (10000 cum per annum) (Khasra No. 44, 47/2, 48/2), Village - Sustipura, Tehsil - Kukshi, 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. 44, 47/2, 48/2), Village - Sustipura, Tehsil - Kukshi, Dist. Dhar (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 2299 dated: 22/12/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 3.0 ha., include 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.

The case was scheduled in 478<sup>th</sup> meeting dated 01/02/2021 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.

The case was scheduled again for 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. PP was also

absent in the SEAC 478<sup>th</sup> meeting dated 01/02/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. After presentation the committee asked to submit following details:

- 01 tree felling is proposed hence, PP's commitment that additionally 10 trees shall be planted as compensatory plantation.
- Commitment of PP that no crusher is proposed within the lease.

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, 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 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 of Stone as per mine plan with quantity not exceeding 10,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 9.91 Lakh as capital and Rs 2.67 Lakh/year is proposed by PP.

13. **Case No 8111/2021 M/s Shree Baba Stone Crusher, Partner, Shri Manish Shrivastava & Shri Ambar Garg, Village & Tehsil - Sardarpur, Dist. Dhar, MP Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (Stone - 16781 cum per annum, Murrum & Overburden - 5797 cum per annum) (Khasra No. 424), Village - Pasawada, Tehsil - Sardarpur, 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. 424), Village - Pasawada, Tehsil - Sardarpur, Dist. Dhar (MP) 2.0 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. 2413 dated: 31/12/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.0 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.

The case was scheduled in 478<sup>th</sup> meeting dated 01/02/2021 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.

The case was scheduled again for 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. PP was also absent in the SEAC 478<sup>th</sup> meeting dated 01/02/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. After presentation the committee asked to submit following details:

- Revised EMP.

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, 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 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 of Stone - 16781 cum per annum, Murrum & Overburden - 5797 cum per annum) as per mine plan with quantity not exceeding 10,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 16.98 Lakh as capital and Rs 3.86 Lakh/year is proposed by PP.

**14. Case No. – 6717/2019 Smt. Santo Choursiya, Near Village Biloua, Tehsil - Dabra, Dist. Gwalior, MP. Prior Environment Clearance for Stone Quarry in an area of 1.214 ha. (55,000 cum per annum) (Khasra No. 3624/1), Village - Biloua, Tehsil - Pichhore, Dist. Gwalior (MP).**

This is case of Stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3624/1), Village - Biloua, Tehsil - Pichhore, Dist. Gwalior (MP). 1.214 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 Tehsildar's Office letter dated 07.04.2016 has reported that there are (not mentioned) more mines operating or proposed within 500 meters around the said mine total area of 10.264 ha., including this mine.

The case was scheduled for presentation in 428<sup>th</sup> SEAC meeting dated 29/02/2020, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 424<sup>th</sup> SEAC meeting dated 12/02/2020 and in 417<sup>th</sup> SEAC meeting dated 22/01/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

SEIAA has relisted this case in its 631<sup>st</sup> meeting dated 31/08/2020 and sent this case file to SEAC.

Based on above this case was scheduled for presentation and discussion. Committee after deliberation decided that since it's a case Stone with total area of 10.264 ha., including this mine and according to the according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Year wise details of minerals already excavated till date should be submitted with EIA report.
2. Level of mechanization should be discussed in the EIA report.

3. Hydro geological study should be carried out if ground water intersection is proposed.
4. Status of all court cases (with summery of all the directions and compliances made) issued by honorable Courts.
5. A list of all the mines located in the Billaua, Rafadpur and Chirpura cluster along with their lease area, lease period, existing production, proposed production as per approved mine plan, production for which the EC is desired ( Form 1), available minable reserve, proposed ultimate depth, post mining land use, details of crusher if located within the lease area, if crushing is done outside the lease area its location and details, details of any habitation, water body, road, school, or hospital or any other public place within 500 m of the cluster.
6. A satellite Image of the area showing all the mines and crusher located in the cluster, mineral evacuation route, all important features like water body, habitation, roads, industry and other mines etc located within 5 km radius of the cluster.
7. A surface plan of the entire cluster area (contour interval not more than 3.0 m) with maximum and minimum RL of each mine of cluster.
8. Air pollution control measures adopted by each mine and crusher in the cluster.
9. An evacuation plan for entire cluster with evacuation route shown on a map, location of school, hospital, habitation etc falling on the route should also be shown on the map. The plan should also include the type and condition of the road and a justification that road network is adequate to evacuate the proposed production from the cluster.
10. Ambient Air Quality Monitoring on following locations be conducted for one season:-
  - (a) Three monitoring station one each at three nearby villages i.e. Billaua, Rafatpur & Chirpura.
  - (b) Two monitoring station one each at main evacuation road and Billaua village road.
  - (c) Three monitoring station i.e. one at windward direction and two at leeward direction.
  - (d) Three monitoring station within the cluster area near installed crushers.
  - (e) One monitoring station close to water body
11. Furnish the name and production of the each mine within 01 kms radius that were in operation during the base line data collection.
12. Photography and Videography should also be done during collection of baseline data.
13. Noise Monitoring on following locations be conducted for one season :-
  - (a) Three monitoring station one each at three nearby villages i.e. Billaua, Rafatpur & Chirpura.

- (b) Two monitoring station one each at Naktapata square and nearby water body.
  - (c) Three monitoring station within the cluster area near installed crushers.
14. Discuss in EIA report the present scenario of OB management with locations of OB dump marked on map, measures taken for stabilization of dump, photographs of OB dump and proposed OB management plan for entire cluster.
  15. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
  16. A blast induced ground vibration and air over pressure study for the mines located within 500 m of any dwellings or any other important structure. The study should clearly recommend a site specific square root predictor equation for determining the maximum charge/delay that can be safely used.
  17. A drainage plan for entire cluster and surface run off management plan.
  18. Hydrological studies be carried out to address the impact of existing mining activities on ground water. The report shall clearly mention the maximum depth up to which mining can be allowed in the cluster without causing any adverse impact on ground water and extent up to which mining can be allowed near surface water body.
  19. Proposed plantation scheme and If plantation is proposed outside the lease area also, commitment of district administration is also required.
  20. Public consultation be conducted as per EIA Notification, 2006.
  21. In addition to EMP for entire cluster in the EIA report a site specific EMP for each mine should also be prepared and submitted separately.
  22. Provide details of court cases/ litigations pending, if any.

PP vide letter dated nil which was forwarded by SEIAA vide letter no. 5397 dated 01/01/2021 has requested to amendment in TOR in production capacity 55,000 cum per annum instead of 30,000 cum per annum , for this purpose PP has also submitted revised Mining Plan of the desired quantity.

The case file with revised Mining Plan was placed before the committee after deliberations committee recommended revised TOR with with the amendment in quantity as 55,000 cum per annum. After deliberations committee recommended that Tor may be issued for 55,000 cum/year and all other conditions will remain the same as recommended in 460th dated 24-09-2020.



**15. Case No 7426/2020 Shri Jeet Singh Bundela S/o Shri Shyamleju Bundela, R/o Sichai Coloney, Rajnagar, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (86259 cum per annum) (Khasra No. 3012), Village - Rajnagar, Tehsil - Rajnagar, Dist. Chhatarpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3012), Village - Rajnagar, Tehsil - Rajnagar, Dist. Chhatarpur (MP) 2.0 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. 825 dated: 22/05/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that the lease is on the hillock within the lease area. Also, in the north side of the lease some building construction is being taken place and further on- going construction seen along with sheds . Within 500 meters following other sensitive features were observed:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
building	>170	North	Details of these building structures. Controlled blasting with arrangements of sand bags and three rows of Plantation in this side.
01 Tree	within lease	SE	Existing 01 tree within lease.

After presentation the committee asked to submit following details:

- Details of some building construction and some on- going construction along with sheds in the north side of the lease and protection plan w.r.t. building structures.
- Inventory of trees with girth details and its management plan.
- Revised CER as suggested during presentation.

PP's reply not received till date and it appears that PP is not interested to continue with the project.

Since the tenure of SEAC will be over on 09 October, 2020 and all such cases which are pending at SEAC will become category-I cases in the absence of SEAC. Thus case file is being sent to SEIAA for onward necessary action please.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that query were issued to the PP in the Query in 453 SEAC meeting dated 28-08-20. After presentation discussion the committee asked to submit following details:

- Details of some building construction and some on- going construction along with sheds in the north side of the lease and protection plan w.r.t. building structures.
- Inventory of trees with girth details and its management plan.
- Revised CER as suggested during presentation.
- Revised production plan showing mon- mining area.
- Commitment no tree felling is proposed.

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, 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 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 of Stone as per mine plan with quantity not exceeding 86,259 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.64 Lakh as capital and Rs 2.91 Lakh/year is proposed by PP.

**16. Case No 8156/2021 M/s Shri Dilip Singh Raghuwanshi, Prop. Shri Dilip Singh Raghuwanshi, A-90, BTI Road, Sherpura, Dist. Vidisha, MP – 464114 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (20580 cum per annum) (Khasra No. 1447/1), Village - Lateri, Tehsil - Lateri, Dist. Vidisha (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1447/1), Village - Lateri, Tehsil - Lateri, Dist. Vidisha (MP) 2.0Ha. 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. 360 dated: 25/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. After presentation the committee asked to submit following details:

- Pit bottom space at conceptual level as the width of the lease is about 60 meter.
- PP commitment that only 03 benches shall be formed and maximum depth will be 09 meter.
- Revised EMP.

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, 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 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 of Stone as per mine plan with quantity not exceeding 20,580 cum/year.
2. Maximum permitted depth shall be 09 meters only.
3. A budgetary provision for Environmental management Plan of Rs. 12.57 Lakh as capital and Rs 03.37 Lakh/year as recurring are proposed by PP.

**17. Case No 8157/2021 Shri Dev Kumar Choudhary S/o Shri Sanat Kumar Choudhary, H.No. 10, Near Bus Stand, Pathari, Dist. Vidisha, MP – 464337 Prior Environment Clearance for Flag Stone Quarry in an area of 1.0 ha. (3015 cum per annum) (Khasra No. 356/1/3), Village - Badoh, Tehsil - Pathari, Dist. Vidisha (MP)**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 356/1/3), Village - Badoh, Tehsil - Pathari, Dist. Vidisha (MP) 1.0 ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector Office letter no. 317 dated: 18/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant, wherein PP submits that since it is a Flagstone Quarry no blasting is proposed. Mining shall be through Opencast Semi Mechanized Method. As per Google image it was observed that some trees exist within lease area for which PP stated they shall be kept intact and this area shall be dealt as non-mining area. After presentation the committee asked to submit following details:

- PP's commitment that no tree felling is proposed .
- Revised EMP.

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, 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 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 of Flag Stone as per mine plan with quantity not exceeding 3015 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 5.60 Lakh as capital and Rs 01.85 Lakh/year as recurring are proposed by PP.

**18. Case No 8159/2021 M/s Hotel Uma Residency, Chankyapuri, Dist. Satna, MP - 460001 Prior Environment Clearance for Sand Quarry in an area of 0.340 ha. (6120 cum per annum) (Khasra No. 178 Part), Village - Aamdhana Raiyat, Tehsil - Ghodadongari, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 178 Part), Village - Aamdhana Raiyat, Tehsil - Ghodadongari, Dist. Betul (MP) 0.340 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 (Ekal Praman-Patr) letter no. 83 dated:

11/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining. During presentation as per Google image based on coordinates provided by PP, it was observed that this is an old lease of sand. After presentation the committee asked to submit following details:

- Why lease area is allocated to <1.0 ha.

PP has submitted the response of above quarries same date vide letter dated 16.02.2021, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 6120 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 07.52 Lakh as capital and Rs 01.45 Lakh/year as recurring are proposed by PP.

**19. Case No 8160/2021 Shri Anil Mahajan S/o Shri Magan Mahajan, Makan No. 1, Ward No. 5, Hanuman Mandir Bali Gali, Post - Shekhpur Raiyat, Tehsil - Khaknar, Dist. Burhanpur, MP - 450331 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (6840 cum per annum) (Khasra No. 76/1), Village - Jamuniya Raiyat, Tehsil - Khaknar, Dist. Burhanpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 76/1), Village - Jamuniya Raiyat, Tehsil - Khaknar, Dist. Burhanpur (MP) 1.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 103 dated: 21/01/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.90 ha., including this mine.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC meeting 387<sup>th</sup> dated 07/08/2019 and 381<sup>st</sup> dated 08/07/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

The case was presented by PP and their consultant, wherein PP submits that since it is a stone Quarry. PP submitted that crusher shall be installed within lease. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 6840 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 9.73 Lakh as capital and Rs 02.01 Lakh/year as recurring are proposed by PP.

**20. Delisting of following TOR as their validity has expired**

SN	Case No. Activity	SEAC Meeting details	Reason for delisting
20.	<p><b>Case No. - 5624/2017 M/s Shrikrishnadas Tikaram, Civil Lines, P.O. &amp; District - Katni, MP – 483501</b></p> <p>Prior Environment Clearance for Bauxite, Limestone &amp; Fireclay Mine in an area of 4.12 Ha.. (25,000 ton per annum) (Khasra no. P 266, 267, 268, 269, P 270, P 271, P 272, 273) at Village- Argat, Tehsil - Ram Nagar, Dist. Satna (MP).</p>	<p>TOR recommended in 305 SEAC meeting dated 16-01-18. TOR granted in 467 SEIAA meeting dated 02-02-2018. TOR issued on 08-02-2018 valid upto 15-01-2021</p>	<p>ToR Validity was up to 15-01-2021. Since PP neither submitted EIA report, case may be delisted.</p>

**DISCUSSION BASED ON QUERY REPLY SUBMITTED BY PP/ PENDING SINCE LONG**

**21. Case No. – 6547/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,00,000 cum per annum) (Khasra No. 655(P)), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 655(P)), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (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's Office letter No.1943 dated: 08/04/2019 has reported that there are 02 more mine operating or proposed within 500 meters around the said mine total area of 9.122 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 and this hillock where lease area is falling is having height of approximately 27 meters (Highest elevation 173 m R.L & Lowest elevation = 146 m R.L )
- Also to carry out mining of stone is in such a peculiar situation where gradient is too high involve lots of risks.
- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight carelessness may threaten the life of laborers.
- Green area is also observed on this lease area.

PP and their consultant has no explanation how the mining will be carried out in such a situation where the height of hill is approx. 27 meters and what are the sensitive features

around the lease. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and TOR will be recommended after the site visit report.

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 discuss the case in the next meeting as TOR has been recommended by SEAC and subsequently approved by the SEIAA.

**22. Case No. – 6536/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Mine in an area of 5.30 ha. (2,50,000 cum per annum) (Khasra No. 689), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 689), Village - Maheba, Tehsil - Gaurihar, 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's Office letter No.1946 dated: 08/04/2019 has reported that there are 07 more mine operating or proposed within 500 meters around the said mine total area of 24.00 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 and this hillock where lease area is falling is having height of approximately 45 meters (Highest elevation 200 m R.L & Lowest elevation = 155 m R.L )
- Also to carry out mining of stone is in such a peculiar situation where gradient is too high involve lots of risks.
- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight carelessness may threaten to life of labors.
- Green area is also observed on this lease.



- Human settlement on the North and East side.
- A water body on the southern side.

PP and their consultant has no explanation how the mining was carried out in such situation where the height of hill is approx. 45 meters and what are the sensitive features around the lease. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and TOR will be recommended after the site visit report.

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 discuss the case in the next meeting as TOR has been recommended by SEAC and subsequently approved by the SEIAA.

**23. Case No 8009/2020 Shri Ramakant Soni S/o Shri Raghunath Soni, R/o, 42, Gandhi Nagar, Dist. Burhanpur, MP Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (10,000 cum per annum) (Khasra No. 16, Pvt. Land), Village - Rehata, Tehsil - Burhanpur, Dist. Burhanpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 80/3), Village - Pachara (Badouni Khurd), Tehsil - Datia, Dist. Datia, (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. 383 dated: 14/12/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 472<sup>nd</sup> SEAC meeting dated 06-01-21, wherein during presentation as per Google image based on coordinates provided by PP, it was observed that the lease area is already excavated and a crusher is in existence. PP submitted that it is very old pit and they have got the lease in such condition and this pit has shown on surface map. However, committee observed that from the previous google images it is apparent that mining was carried out between 2015 to 2017. During presentation it was observed that a pucca road is in existence on the east side of the lease at

a distance of 60 meter and a crusher is also installed at a distance of 70 meters. After presentation the committee asked to submit following details:

- Justification for excavated area.
- Proposal for shifting of crusher to other location minimum 100 meters away from the road. (If same crusher is to be used for crushing)
- Copy of lease agreement.
- Revised plantation scheme @1500 trees /ha., as suggested by committee.
- Undertaking that dribbling of prosobis seeds on garland drain.
- Revised EMP with appropriate budget of enhanced plantation as suggested by committee.

PP has submitted the response of above quarries vide letter dated 06.01.2021, which was placed before the committee and it was observed by the committee that incomplete reply is submitted by PP. Hence PP shall be asked to submit complete reply on all the queries raised by the committee for further consideration of the case.

PP vide dated 08/02/2021 has submitted the response of above quarries and same was placed before the committee and found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone Quarry as per mine plan with quantity not exceeding 10,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.1036 Lakh as capital and Rs 2,74Lakh/year as recurring cost are proposed by PP.

**24. Case No 8001/2020 Shri Satyaveer Singh S/o Shri Vishambhar Singh, R/o Guljari Ka Pura, Galaitha, Tehsil - Jaura, Dist. Morena, MP Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (18000 cum per annum) (Khasra No. 525, Pvt. Land), Village - Govindgarh, Tehsil - Datia, Dist. Datia (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 525, Pvt. Land), Village - Govindgarh, Tehsil - Datia, Dist. Datia (MP) 1.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 982 dated: 08/12/2020 has reported

that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 472<sup>nd</sup> SEAC meeting dated 06-01-21. During presentation it was observed that a Kachcha road is in existence on the western side of the lease at a distance of 25 meters and some trees are in existence within the lease area for which Pp submitted that these trees will not be uprooted and area will be left as non mining area. After presentation the committee asked to submit following details:

- Inventory of the trees existed within lease with status.
- Copy of lease agreement.
- Revised surface map showing area occupied by trees as non mining area.
- Revised plantation scheme with additional plantation as uprooting of trees is proposed suggested by committee.
- Revised EMP as suggested by committee.

PP vide dated 08/02/2021 has submitted the response of above quarries and same was placed before the committee and found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone Quarry as per mine plan with quantity not exceeding 18000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.10.14 Lakh as capital and Rs 2.94 Lakh/year as recurring cost are proposed by PP.

**25.Case No 7994/2020 Shri Smit Lunawat S/o Shri Rajesh Lumawat, R/o Village - Ringnod, Tehsil - Sardarpur, Dist. Dhar, MP Prior Environment Clearance for Murrum Quarry in an area of 1.50 ha. (20000 cum per annum) (Khasra No. 10, Pvt. Land), Village - Sardarpur, Tehsil - Sardarpur, Dist. Dhar (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 10, Pvt. Land), Village - Sardarpur, Tehsil - Sardarpur, Dist. Dhar (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. 1755 dated: 30/9/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.50 ha., including this mine.

The case was presented by the PP and their consultant PP submitted that this is a case of capacity expansion for Murrum Quarry from 5643 to 20,000 cum per annum. Also no drilling and blasting is proposed from mining. During presentation it was observed that a NH-59 road is in existence on the north east side of the lease at a distance of > 130 meter. And a stop dam is about >480 meter in the NE side. After presentation the committee asked to submit following details:

- Revised plantation scheme as suggested by committee.
- Revised EMP as suggested by committee.
- Copy of CTE/CTO obtained from MPPCB.
- Copy of last six monthly compliance reports submitted.
- Compliance of earlier EC conditions from competent authority.

PP has submitted the response of above quarries vide letter dated 08.01.2021, which was placed before the committee and it was observed by the committee that incomplete reply is submitted by PP. Hence PP shall be asked to submit complete reply on all the queries raised by the committee for further consideration of the case. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Murrum Quarry as per mine plan with quantity not exceeding 20000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 14.39 Lakh as capital and Rs 3.05 Lakh/year as recurring cost are proposed by PP.

**26. Case No 8016/2020 M/s Shakambhari Stone Crusher, Prop., SHri Vijay Kumar Mittal, R/o, Ward No. 09, Bajrang Chowk, Pendra Dist. Bilaspur (CG) Prior Environment Clearance for Stone Quarry in an area of 1.011 ha. (12004 cum per annum) (Khasra No. 923), Village - Dauniya, Tehsil - Pushprajgarh, Dist. Anuppur, (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 923), Village - Dauniya, Tehsil - Pushprajgarh, Dist. Anuppur, (MP) 1.011 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. 1505 dated: 03/10/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining and as per lease sanction letter dated 28.09.2020 PP shall obtain permission from competent Authority of Achanakmar Bio-sphere reserve. Moreover on the Google image some houses are in existence on the North & NE side of the lease in the vicinity at a distance of 14 meter & 142 meter for which PP/Env. Consultant submitted that ownership of these houses belongs to him. After presentation the committee asked to submit following details:

- PP shall submit justification for Achanakmar Bio-sphere reserve and permission from competent authority.

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

The case was presented by the PP and their consultant in 472nd SEAC meeting dated 06-01-2021 wherein the query reply case was presented by the PP and their consultant. During

presentation PP was asked to lay, all the coordinate of Achanakmar ESZ (S.O.3654 (E) 10.10.2019) on Goggle map to confirm the location of lease area w.r.t. to Achanakmar ESZ/ BR.

PP has presented the response of above query, which was placed before the committee and it was observed by the committee that lease is far away from the notified ESZ of Achanakmar and query reply presented by PP was satisfactory. EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone Quarry as per mine plan with quantity not exceeding 12,004 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 10.33 Lakh as capital and Rs 2.46 Lakh/year as recurring cost are proposed by PP.

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

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

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

**(Dr. Sonal Mehta)**  
**Member**

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

**(Dr. Anil Sharma)**  
**Member**

**(A. A. Mishra)**  
**Secretary**

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

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

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murram 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 CER 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.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
23. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
24. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
25. Mining Lease boundary shall be appropriately earmarked with fencing.
26. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.



**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. Only registered vehicles/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.
5. 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.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 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.
13. 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.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.

16. 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.
17. 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.
18. 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.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER 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.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. 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.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. 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.
24. 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.
25. 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.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)

- c. Production capacity of the project.
28. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
- i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
  - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
  - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
  - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
  - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
  - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
  - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
  - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
  - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.

**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 CER 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.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining

activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”.

25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. Mining Lease boundary shall be appropriately earmarked with fencing.
27. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.

**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. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
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 CER 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 CER 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.
  25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
  26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
  27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
  28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.

**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.**

29. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
30. Detailed analysis of availability and quality of the drinking water resources available in the block.
31. 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.
32. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.