

The 469th meeting of the State Expert Appraisal Committee (SEAC) was held on 17th December, 2020 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. – 6282/2019 M/s Narmada Minerals, Shri Shushil Rai, 33, Swastik Sadar Bazar, Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Crusher Stone Quarry in an area of 4.00 ha. (39,049 cum per annum) (Khasra No. 364), Village - Chandbad Kadeem, Tehsil - Berasia, Dist. Bhopal (MP).**

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

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

Earlier this case was scheduled for presentation and discussion in 375th SEAC meeting dated 29/06/19 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04/11/2020 which was forwarded through SEIAA vide letter no. 4874 dated 17/11/2020, which was placed before the committee.

The case was scheduled for the presentation in the 466th SEAC meeting dated 26-11-20 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. However, PP vide letter dated 25/11/2020 has informed that due to unavoidable circumstances they are not able to attend this meeting and requested to provide next date for presentation. Committee considering the request of PP, decided to call the PP in subsequent meetings.

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 466th SEAC meeting dated 26-11-20. 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

2. **Case No 7372/2020 M/s Agnimitra, Dr. Ankur Agrawal, Partner, 10, Yashwant Niwas Road, Dist. Indore, MP Prior Environment Clearance for Common Bio Medical Waste Treatment Facility for treatment of 300 kg per hour through Incinerator (Static) with Dry Scrubbing System and Ceramic Filters based Bio Medical Incineration project at Plot No. E-47/A, D-41/C, D-42/A, E-48/B, D-43/B, E-47/C, E-48/A, D-42/B, D-43/A, Sector-C, Industrial Area, Sanwar Road, Dist. Indore (MP) Area- 1.03 Acres(4170Sq.mt.). [53255] Cat. – 7(da) Common Hazardous waste treatment, Storage and disposal facilities (TSDFs). Env. Con. – Creative Enviro Services, Bhopal(M.P.).**

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

The case was presented by the PP and their consultant wherein PP submitted that the proposed unit will be established in the notified industrial area at Dist. of Indore in MP.

Earlier this case was scheduled for presentation and discussion in 448th SEAC meeting dated 23/07/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 11/09/20 which was forwarded through SEIAA vide letter no. 5051 dated 07/12/2020, which was placed before the committee.

The case was scheduled for the EIA presentation and discussion where PP and their consultant were present, during presentation PP has submitted following project details:

Project at a Glance:

Site Address	E-47/A, D-41/C, D-42/A, E-48/B, D-43/B, E-47/C, E-48/A, D-42/B & D-43/A Sanwer Industrial Area, Indore (MP)
Proposed project	Bio Medical Waste Treatment Facility with the following : Incinerator (Fixed Hearth) with Dry Scrubbing System and Ceramic Filters - 02 - 300 kg per hour Autoclave - 02 - 500kg per batch Shredder - 02 - 250kg per hour Plastic Processing line - 01 - 250 kg per hour Effluent Treatment Plant - 01 - 0 KLD
Cost of Project	Rs 320 Lacs
Net fresh Water Requirement	10 KLD
Power Requirement	170 kW
Capital Cost for Environmental measures (proposed)	78 Lacs
Recurring cost for environmental management etc (Proposed)	Rs 7.50 lacs which does not include O&M cost of CSEME, EQMS, etc.
Existing area of plantation	Nil
Alternative Source of Power	Not required Sanwer Road Industrial area has no power cuts.
Land acquired	1.03 acre (4170 Sq.mt.)
Proposed area for plantation	Total 33% area i.e. 1376 sq.mt. shall be dedicated for the green belt. Green belt will be developed according to CPCB/PCB guidelines
Direct employment generation	35-40 no.

Water Balance for proposed project

Water Balance for proposed unit		
Heads	Water Consumption	Waste Water Generation
Unit		
Incineration	2000 ltr	800 ltr

Floor washing	2000 ltr	1200 ltr
Vehicle washing	4000 ltr	3000 ltr
Steam Generation	400 ltr	Nil
Green Belt	600 ltr	Nil
Others	1000 ltr	700 ltr
Total	10000 ltr	5700 ltr

Waste Management

Solid wastes shall be generated in the form of Incineration ash from Incinerator, ETP sludge from ETP process and used oil from the plant utility. Following steps shall be taken;

- Incineration ash from incinerator will be disposed to the nearest authorized TSDF site.
- Incineration ash and ETP sludge will be sent to authorized TSDF site
- Used oil will be properly stored and it will be re-used as lubricants in the machineries within the premises only.
- Record of solid waste generation and disposal shall be maintained.
- All Necessary precaution shall be taken during handling, loading and unloading of solid waste.

Sr No	Name Of The Waste	Approximate Quantity (Tonnes/Year)	Waste Generating Point	Mode Of Handling & Transport
1.	Used oil	15 Lit/Yr.	From DG Sets, Pumps, etc	Will be given to authorized recyclers.
2.	Incineration Ash	200 MT/Year	Incineration of Biomedical Waste	Authorized TSDF
3.	Used carbon from ACF	1 MT/Year	ETP	Authorized TSDF
4.	ETP Sludge	8 MT/Year	Effluent treatment plant	Authorized TSDF

Gap and Root Description:

A common biomedical waste treatment facility named Hoswin Incinerator Pvt. Ltd is operating in the Indore city for Indore and nearby areas. Agnimitra is owned by the family members of the present CBWTF facility, hence there will not be any conflict of works area. To provide better services to health care facilities in the area a new CBWTF

named Agnimitra is proposed. Hoswin Incinerator Pvt. Ltd is operating at more than 10000 beds.

With consent from the present facility i.e. Hoswin Incinerator Pvt. Ltd Agnimitra will provide services to maximum 10000 beds and allied non bedded HCF. Agnimitra will not disturb beds of any other facility in MP without consent.

After presentation and discussion PP was asked to submit following revised details:

- 1) Comparative Chart w.r.t. advantages and disadvantage of Rotatory kiln and Static kiln.
- 2) Reason for selecting static kiln in place of rotator kiln.
- 3) Revised plantation programme.

PP vide letter dated 17.12.2020 submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 300X2 Kg per hour with Dry Scrubbing System and Ceramic Filters based medical incineration project Land area - (1.03 acre) at E-47/A, D-41/C, D-42/A, E-48/B, D-43/B, E-47/C, E-48/A, D-42/B & D-43/A Sector "C" Industrial Area, Sanwer Road, Indore (M.P.) category 7(da) of M/s Agnimitra for Common Biomedical Waste Treatment, Storage and Disposal Facilities (TSDFs) subject to the following special conditions:

I. Statutory Compliance

Proposed project	<ul style="list-style-type: none"> • Bio Medical Waste Treatment Facility with the following : • Incinerator (Fixed Hearth) with Dry Scrubbing System and Ceramic Filters - 02 - 300 kg per hour • Autoclave - 02 - 500 kg per batch • Shredder - 02 - 250 kg per hour • Plastic Processing line - 01 - 250 kg per hour
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- 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. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 2016 including the section 129 to 137 of Central Motor Vehicle Rules, 1989.

- iii. Project shall fulfill all the provisions of hazardous Wastes (Management, handling and Transboundary Movement) Rules, 2016 including collection and transportation design etc and also guidelines for Common Hazardous Waste Incineration – 2005, issued by CPCB Guidelines of CPCB/MPPCB for Bio-medical Waste Common Hazardous Wastes incinerations shall be followed.
- iv. Project shall fulfill hall 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.
- v. All other statutory clearances such as the approvals for storage of diesel from Chief Controlled of Explosive, Fire Department Civil Aviation Department shall be obtained, as applicable by project proponent from the respective competent authorities.

II. Air quality monitoring and preservation

- i. The project proponent shall install emission monitoring system including Dioxin and furans to monitor stack emission with respect to standards prescribed in Environment in Environment (Protection) Rules, 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Periodical air quality monitoring in and around the site including VOC, HC shall be carried out.
- iii. Incineration plant shall be operated (combustion chambers) with temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) consent in the slag and bottom ashes less than 3% or their loss on ignition is less than 5% of the dry weight of the materials.
- iv. CNG will be used as fuel in the Kiln. Adequate air pollution control system should be provided with the incinerator to arrest the gaseous emission with stack of adequate height (Minimum 35 meters) to control particulate emission.
- v. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards. All necessary air pollution Control devises (quenching, venturi scrubber, mist eliminator) should be provided for compliance of emission standards.
- vi. Masking agents should be used for odour standards.

III. Water quality monitoring and preservation

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- ii. Waste water generated from the facility shall be treated in the ETP and The water after primary treatment shall be sent to CETP for further treatment and record shall be maintained. The water quality of treated effluent shall meet the norms prescribed by State Pollution Control Board. Zero liquid discharge shall be maintained.
- iii. Process effluent /any waste water should not be allowed to mix with storm water.
- iv. Total fresh water use shall not exceed the proposed requirement (10 KLD) as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- v. Zero discharge treatment system shall be provided. No soil contamination is anticipated from the proposed project as the land fill facility will have liner system to arrest any contamination.
- vi. Web based camera shall be installed to monitor the ZLD condition.
- vii. The leachate, if any, from the facility shall be collected and treated to meet the prescribed standards before disposal.
- viii. A drain along the boundary wall shall be made, and shall be connected to settling tank to protect the flow of contaminant towards nearby land
- ix. Run-off from upstream areas will be diverted to settling tank (5mLX5mWX5D) within the premises through drains.
- x. The run-off generation will be minimized by diverting run-off from areas external to the plant to storm water discharge points;

IV. Noise monitoring and prevention

- i. 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.
- ii. The sources of noise generation will Incinerator, pumps, Compressors, etc. All machinery has been manufactured as per OSHA/MoEF guidelines. Earplugs have been provided to workers working in noise prone area.
- iii. Ambient noise levels is in accordance with MoEF notification dated 14-02-2000 i.e. noise levels will be < 75 dB (A) during daytime and < 70 dB (A) during night time. No additional increase is expected.

V. Energy Conservation measures

- i. Provide solar power generation roof tops of building, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- ii. Provide LED lights in their offices and residential areas.
- iii. Power will be required about 170 KW which have been sourced through Madhya Pradesh Vidyut Vitaran Company Ltd.

VI. Waste management

- i. Incinerated ash and other shredded or Autoclaved waste shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the SPCB prior to the Commencement.
- ii. The solid wastes shall be segregated as per the norms of the solid Waste Management Rules, 2016.
- iii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- iv. No landfill site is allowed within the CBWTF site.
- v. Regular monitoring and analysis of village Pond flowing nearby and nearby pond shall be carried out
- vi. RCC dyke/platform should be constructed for storage of chemicals and oil drums to avoid spillage.
- vii. The project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB and disposed them as follows:

Sr No	Name Of The Waste	Approximate Quantity (Tonnes/Year)	Waste Generating Point	Mode Of Handling & Transport
1.	Used oil	15 Lit/Yr.	From DG Sets, Pumps, etc	Will be given to authorized recyclers.
2.	Incineration Ash	200 MT/Year	Incineration of Biomedical Waste	Authorized TSDF
3.	Used carbon from ACF	1 MT/Year	ETP	Authorized TSDF
4.	ETP Sludge	8 MT/Year	Effluent treatment plant	Authorized TSDF

VII. Green Belt

- i. Green belt shall be developed in area as provided in project details, with native tree green belt shall be developed in an area equal to 33% 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 1400 sq.mts (300 numbers of trees) of total area shall be provided for green belt development as per the details provided in the project document. 5 m wide greenbelt will be developed all around the plant.

IX. EMP

- i. 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 during into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/condition. 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.

- ii. In the EMP PP have proposed Rs. 78.0 lakh/year as capital cost and 7.50 lakh/year for recurring expenses.
- iii. 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.
- 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 Officer along with the six monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the State 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 Expert Appraisal Committee.
- iii. No further expansion of modification in the plant shall be carried out within prior approval of the Ministry of Environment Forests and Climate Change (MoEF & CC).
- iv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the (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 any other orders passed by the Hon'ble Supreme Court of India/ High Courts/NGT and any other Court of Law relating to the submit matter.

3. Case No 7400/2020 M/s Maruti Enterprises, Plot No. 546, Sector No. 3, Pithampur, Dist. Dhar, MP Prior Environment Clearance for Manufacturing of Dyes Intermediates, Capacity 7200 MTPA (PANTOSA) at Plot No. 546, Sector-3, Pithampur, Dist. Dhar (MP).

This is a case Prior Environment Clearance for Proposed Dyes Intermediates Plant by M/s Maruti Enterprises, Plot No. 546, Sector No. 3, Pithampur, Dist. Dhar, MP Capacity – 7200 MTPA. Total Land area- 2787 sqm. 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 451th SEAC meeting dated 14/08/20 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 03/10/20 which was forwarded through SEIAA vide letter no. 5055 dated 07/12/2020, which was placed before the committee.

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

- Project site is located at Plot No.546 Sector No.3 Pithampur, Dist. Dhar -454774, (M.P.). It is a Notified Industrial Area.
- Total land area of the project is 2787 Sq. Mt. in which 500 sq.mt. area of land is covered by shed without any machineries.
- Company is putting up a new project to manufacture dyes intermediates at Pithampur. Currently, these products are imported from foreign countries.

Required details	Project Details
Site Address	Plot No.546 Sector No.3 Pithampur, Dist. Dhar -454774, (M.P.)
Name of Product	PARA NITRO TOLUENE ORTHO SULPHONIC ACID (P.N.T.O.S.A.)
By-product	Sulphuric Acid (SPENT ACID 75%) – 6600 KL/Annum
Production Capacity	7200 Metric ton per annum
Product type	Dye intermediate
Boiler capacity	1 no.(0.66 TPH)- Piped natural gas
Power Requirement	300 HP
Land Area	2787 Sq. Mt.

Water Requirement & Source	16 KLD/ MP Industrial Development Corporation Limited (MPIDC)
Manpower Requirement	27 Nos.
Green belt Area	937 Sq.Mt.

List of Proposed Products

S.No.	Product Name	Capacity
1.	PARA NITRO TOLUENE ORTHO SULPHONICACID (P.N.T.O.S.A.)	7200 Metric ton per annum
Sulphuric Acid (SPENT ACID 75%) will be generated as by product which will be sold to fertilizer or other company.		
1.	Sulphuric Acid (SPENT ACID 75%)	6600 KL Per annum

RAW MATERIALS

S.No.	Name of Raw Material	Quantity (Ton/Annum)	Chemical Formula	Mode of Storage (Drums/Bags/ Containers/Tank)	Source (Local/within MP/Outside MP/Imported)
1.	Para Nitro Toluene (PNT)	3912	C ₇ H ₇ NO ₂	Drums/Bags	Within M.P.
2.	Oleum Acid 23 %	9360	H ₂ O ₇ S ₂	MS Tank	Within M.P.

PP further stated that 6600 KL/annum spent acid shall be generated as by product and will be disposed off through sale to fertilizer industries. No effluent will be generated and

this unit is ZLD based concept. After detail discussion committee has asked the PP to submit the following information:

1. Details of previous projects on the same land and justification of the constructed shed.
2. Details for treatment of domestic effluent.
3. Provide storage precautions for spent acid.
4. Revise plantation list for green belt.

PP vide letter dated 17/12/2020 submitted reply of the above query. The query reply was discussed and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence, the case was recommended for grant of Prior Environment Clearance for Manufacturing of Dyes Intermediates, Capacity 7200 MTPA (PANTOSA) at Plot No. 546, Sector-3, Pithampur, Dist. Dhar (MP), subject to the following special conditions:

1. The EC shall be valid for following products and given capacity:

S.No.	Product Name	Capacity
1.	PARA NITRO TOLUENE ORTHO SULPHONICACID (P.N.T.O.S.A.)	7200 Metric ton per annum
Sulphuric Acid (SPENT ACID 75%) will be generated as by product which will be sold to fertilizer industry as per the commitment submitted by PP.		
1.	Sulphuric Acid (SPENT ACID 75%)	6600 KL Per annum

(A) Statutory compliance:

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

(Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).

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

(B) Air quality monitoring and preservation

1. The project proponent shall 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 16 KLD. The rejected water will be reused for gardening/green belt.
3. The industrial water requirement for the existing and proposed project is 16 KLD per day sourced from surface water supply. Total cumulative waste water generation from proposed unit will be 0.82 KLD and treated in ETP of 1KLD.
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 16KLD.
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 300HP. The power will be supplied by Power Generator i.e. Grid power.

(F) Waste management

1. PP will be using piped natural gas 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 spent acid will be generated from process which will be sent to Fertilizer Company, Waste or residue containing oil, Empty containers containing hazardous waste, ETP sludge will be sent to TSDF site.
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.
11. The spill kits should be provided with compatible sorbent material in adequate quantity.
12. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
13. Proper firefighting arrangements in consultation with the fire department should be provided against fire incident.
14. 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.

15. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
16. The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.

(G) Green Belt

1. 937 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 or IMC.

(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, crèche 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
3. / violation of the environmental / forest / wildlife norms / conditions and or shareholders
4. /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.
5. 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.
6. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

7. The proposed EMP cost is Rs. 9.75 Lakh as capital and 5 Lakh /year as recurring cost.
8. 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.
9. 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.

4. 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).

The case was scheduled in the 463th SEAC meeting dated 01-10-20 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

Earlier, this case was recommended for delisted in 464 SEAC meeting dated 03-10-20. Accordingly SEIAA delisted case in 643rd SEIAA meeting dated 06-10-20. SEIAA relisted this case and sends to SEAC for appraisal in 646th SEIAA meeting dated 28-11-20. Case relisted and send to SEAC vide letter no. 5049-50/SEIAA/20 dated 07-12-20.

PP submitted revised Form -1 (with revised capacity as 7810 MTPA) vide letter dated 15/10/2020. SEIAA forwarded PP request vide letter no. 5049 dated 07/12/2020. PP stated that by mistake they have mentioned two existing products hence, withdrawn these two following products:

1. Tetra Alkyl Ammonium Bromide
2. Choloro Alkyl amine Hydrochloride

After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with along with following additional TORs as annexed in annexure-D:

- Ash management plan is to be submitted in the EIA report.
- Commitment that process shall be based on ZLD.
- Bifurcate non EC products and products seeking EC.
- Product- wise mass balance data.
- Discuss worst case scenario in the EIA report.

5. Case No 7933/2020 M/s Shri Bajaj Infra Builddown, Partner, Shri Kasha Banal, House No. A-1, Panchwati Colony, Dist. Bhopal, MP - 462030 Prior Environment Clearance for Stone Quarry in an area of 4.50 ha. (42180 cum per annum) (Khasra No. 2 Part), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 2 Part), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP) 4.50 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. 5090 dated: 12/11/2020 has reported that there are 06 more mines operating or proposed within 500 meters around the said mine with total area of 18.37 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 18.37 ha., including this mine . During presentation PP submits that Baseline monitoring of this project area is being carried out from Octo. to Dec. 2020. 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 and if any tree is to be uprooted, then it should be clearly addressed in EIA.

6. Case No 7947/2020 Shri Naval Singh Baghel S/o Shri Lalta Prasad Baghel, Village - Hiwala, Post - Mandla, Tehsil - Khirkiya, Dist. Harda, MP – 461441 Prior Environment Clearance for Stone Quarry in an area of 1.60 ha. (9938 cum per annum) (Khasra No. 3/1/KH), Village - Bamhangaon, Tehsil - Khirkiya, Dist. Harda (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 3/1/KH), Village - Bamhangaon, Tehsil - Khirkiya, Dist. Harda (MP) 1.60 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. 8614 dated: 14/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 6.025 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 6.025 ha. including this mine . During presentation PP submits that Baseline monitoring of this project area is being carried out from Octo. to Dec. 2020. During scrutiny of case file it was observed by the committee that incomplete DSR is attached with case file for which PP submitted that he is carrying the complete copy of DSR and same is appended with case presentation printout. 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:-

- Setback of 130 meter shall be left as settlement located at western side at a distance of 70 meter and revised plan shall be submitted with EIA report.
- 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.

7. Case No 7946/2020 Shri Malkhan Singh S/o Shri Sangram Singh, R/o Gambhir Road, Khedipura, Tehsil - Khirkiya, Dist. Harda, MP - 461441 Prior Environment Clearance for Stone Quarry in an area of 3.0 ha. (22148 cum per annum) (Khasra No. 509), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 509), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP) 3.0 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. 1121 dated: 06/10/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 13.997 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 13.997 ha., including this mine. During presentation PP submits that Baseline monitoring of this project area is being carried out from Octo. to Dec. 2020. During scrutiny of case file it was observed by the committee that incomplete DSR is attached with case file for which PP submitted that he is carrying the complete copy of DSR and same is appended with case presentation printout. 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:-

- Isolated houses located at 375 meter distance in the south-west direction of 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.

8. Case No 7927/2020 Shri Devesh Deshmukh, 392, Siratha The, Pandurna, Dist. Chhindwara, MP – 480334 Prior Environment Clearance for Sand Quarry in an area of 9.757 ha. (Expansion 36120 to 43320 cum per annum) (Khasra No. 43), Village - Baradevikhapa, Tehsil - Sausar, Dist. Chhindwara (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 43), Village - Baradevikhapa, Tehsil - Sausar, Dist. Chhindwara (MP) 9.757 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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-Patra) letter no. 816 dated: 02/3/2017 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 to obtain TOR for capacity expansion of sand from 36,120 to 43,320 cum per annum. During presentation PP submits that they have started collecting baseline data of the study area from Octo. –Dec. 2020. Committee asked PP/ Consultant to submit Gram Sabha NOC. PP submitted the hard copy of it. Being it's a case sand quarry with total area of 9.757 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:-

- Compliance of earlier EC conditions.
- Part of lease submerged in the water in the western side this area show on map as non mining area.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- 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.
- 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.

9. Case No 7938/2020 Shri Satish Singh Thakur, Ambada The, Pandurna, Dist. Chhindwara, MP - 480334 Prior Environment Clearance for Sand Quarry in an area of 8.0 ha. (Expansion 53400 to 64000 cum per annum) (Khasra No. 1), Village - Partapur, Tehsil - Sausar, Dist. Chhindwara (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1), Village - Partapur, Tehsil - Sausar, Dist. Chhindwara (MP) 8.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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-Patra) letter no. 316 dated: 07/2/2016 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 to obtain TOR for capacity expansion of sand from 53,400 to 64,000 cum per annum. During presentation PP submits that they have started collecting baseline data of the study area from Octo. –Dec. 2020. Committee asked PP/ Consultant to submit Gram Sabha NOC. PP submitted the hard copy of it. Being it's a case sand quarry with total area of 8.0 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Compliance of earlier EC conditions.
- The lease is in two parts and it was observed that a Road Bridge is located in between, PP shall submit Revised Production Plan leaving setback as per Enforcement & Monitoring Guidelines for Sand Mining, 2020. Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- 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.

- 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.

10. Case No 7945/2020 Shri Dilip Koushal S/o Shri Lekhram Koushal, Ward No. 5, Gomukh Road, Khirkiya, Dist. Harda, MP - 461331 Prior Environment Clearance for Stone Quarry in an area of 1.558 ha. (11878 cum per annum) (Khasra No. 555/3), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 555/3), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP) 1.558 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. 130 dated: 23/5/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.102 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 18.102 ha. including this mine . During presentation PP submits that Baseline monitoring of this project area is being carried out from Octo. to Dec. 2020. 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:-

- Crusher is installed within lease Proposal of MS wall and other mitigative measures shall be discuss in the EIA.
- 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.

11. Case No 7944/2020 Shri Dilip Koushal S/o Shri Lekhram Koushal, Ward No. 5, Gomukh Road, Khirkiya, Dist. Harda Prior Environment Clearance for Stone Quarry in an area of 1.547 ha. (11878 cum per annum) (Khasra No. 555/1), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 555/1), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP) 1.547 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. 129 dated: 23/5/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.097 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 18.097 ha., including this mine. During presentation PP submits that Baseline monitoring of this project area is being carried out from Octo. to Dec. 2020. During scrutiny of case file it was observed by the committee that incomplete DSR is attached with case file for which PP submitted that he is carrying the complete copy of DSR and same is appended with case presentation printout. 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:-

- Crusher is installed within lease Proposal of MS wall and other mitigative measures shall be discuss in the EIA.
- 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.

12. Case No 7919/2020 M/s G.R.Infra Project Ltd, Tehsil - Sailana, Dist. Ratlam, MP - 457001 Prior Environment Clearance for Stone Quarry in an area of 2.350 ha. (1,48,342.50 cum per annum) (Khasra No. 85), Village - Kherkhunta, Tehsil - Sailana, Dist. Ratlam (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 85), Village - Kherkhunta, Tehsil - Sailana, Dist. Ratlam (MP) 2.350 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. 921 dated: 03/11/2020 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 PP stated that this lease was obtained under temporary permit (TP). During presentation it was observed that a stop dam at 145 meter and natural drain at 50 and 100 meters distance PP shall take proper mitigative measures. After presentation the committee asked to submit following details:

- Revised EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 17.12.2020, 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 1,48,342.50 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 22.44 Lakh as capital and Rs 02.78 Lakh/year as recurring are proposed by PP.

13. Case No 7920/2020 M/s G.R.Infra Projects Ltd, Authorised Person, Shri Debasis Patra, Tehsil - Piplouda, Dist. Ratlam, MP - 457001 Prior Environment Clearance for Stone Quarry in an area of 4.90 ha. (225150 cum per annum) (Khasra No. 2/1), Village - Badalaya Chourasi, Tehsil - Piplouda, Dist. Ratlam (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 2/1), Village - Badalaya Chourasi, Tehsil - Piplouda, Dist. Ratlam (MP) 4.90 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. 704 dated: 23/9/2020 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 PP stated that this lease was obtained under temporary permit (TP). During presentation it was observed that a kachha road at 17 meters distance and some trees exist within lease PP shall left this sensitive area as non- mining area. After presentation the committee asked to submit following details:

- Revised surface map leaving non- mining area.
- Revised EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 17.12.2020, 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 2,25,150 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 31.40 Lakh as capital and Rs 02.78 Lakh/year as recurring are proposed by PP.

14. Case No 7940/2020 Shri Pushpraj Singh, Village - Upani, Tehsil - Gopadbanas, Dist. Sidhi, MP - 486661 Prior Environment Clearance for Stone Quarry in an area of 1.920 ha. (14700 cum per annum) (Khasra No. 1662/2/2, 1664/2), Village - Upani, Tehsil - Gopadbanas, Dist. Sidhi (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1662/2/2, 1664/2), Village - Upani, Tehsil - Gopadbanas, Dist. Sidhi (MP) 1.920 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 681 dated: 09/8/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.920 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.

15. Case No 7881/2020 Shri Santosh Kumar Jain S/o Shri Rajendra Kumar Jain, R/o Shastri Ward, Tehsil & Dist. Sagar, MP, Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5226 cum per annum) (Khasra No. 285/1), Village - Guda, Tehsil - Sagar, Dist. Sagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 285/1, Village - Guda, Tehsil - Sagar, Dist. Sagar (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 (Praman-Patr) letter no. 176 dated: 05.03.2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 4.15 ha., including this mine.

The case was scheduled for the presentation in 465th SEAC meeting dated 07/11/2020 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. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP and their consultant in SEAC 466th meeting dated 26-11-2020. wherein during scrutiny of the case file it was observed by the committee that incomplete mine plan is attached with case file and many papers are stapled and attached with the case file replacing other papers which makes the content of file doubtful. The committees after deliberation decided that PP may submit fresh set of papers with complete mine plan through SEIAA and a copy to SEAC for further appraisal of case. Vide letter dated 5/12/2020 PP has submitted above query reply.

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 a highway at 109 meter distance in the west side PP shall take proper mitigative measures. In the NE direction of the lease area is excavated PP submitted that earlier this lease was sanctioned as TP and same was verified by MO vide letter no. 176 dated 05.03.2020. 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 5226 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 10.30 Lakh as capital and Rs 02.02 Lakh/year as recurring cost.

16. Case No 7939/2020 Shri Jagbali Prasad Bais S/o Shri Brajwasi Lal Bais, Siddhikala, Post - Tiwara, Dist. Singrauli, MP - 486886 Prior Environment Clearance for Stone Quarry in an area of 2.21 ha. (35112 cum per annum) (Khasra No. 1043/1/Ka, 1044), Village - Siddhikala, Tehsil - Singrauli, Dist. Singrauli (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1043/1/Ka, 1044), Village - Siddhikala, Tehsil -

Singrauli, Dist. Singrauli (MP) 2.21 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. 4396 dated: 11/9/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.21 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. During presentation it was observed by committee that a kachha road at a distance of 52 meters in the north direction and 02 trees are existed within the lease, 01 tree is proposed for felling PP will plant additionally 10 trees. 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 35,112 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 07.07 Lakh as capital and Rs 03.47 Lakh/year as recurring are proposed by PP.

17. Case No 7948/2020 Shri Virendra Singh Jadoun, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Sand Quarry in an area of 2.350 ha. (14600 cum per annum) (Khasra No. 50), Village - Panala, Tehsil - Katthiwada, Dist. Alirajpur, (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 50), Village - Panala, Tehsil - Katthiwada, Dist. Alirajpur, (MP) 2.350 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-Patra) letter no. 330 dated: 23/5/2020 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. 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 a causeway at a distance of 150 meter. After presentation the committee asked to submit following details:

- Detailed evacuation plan with increasing width of 4.0 meters to 06 meters excluding shoulders with cost shall be included in the EMP.

PP has submitted the response of above quarries same date vide letter dated 17.12.2020, 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 'B':

1. Production of Sand as per mine plan with quantity not exceeding 14,600 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 10.13 Lakh as capital and Rs 03.97 Lakh/year as recurring are proposed by PP.

18. Case No 7934/2020 Shri Dileep Singh S/o Shri Hari Narayan Meena, R/o Village - Kurawar, Tehsil - Narsinghgarh, Dist. Rajgarh, MP - 465669 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5000 cum per annum) (Khasra No. 7/1/1/1, 9/1/1), Village - Chandbadli, Tehsil - Narsinghgarh, Dist. Rajgarh (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 7/1/1/1, 9/1/1), Village - Chandbadli, Tehsil - Narsinghgarh, Dist. Rajgarh (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. 1094 dated: 22/9/2020 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. During presentation as per Google image

based on coordinates provided by PP, a pucca road at a distance of 120meter and water body at a distance of 350 meter in the south direction. PP shall take proper mitigative measures for protection. During scrutiny of case file it was observed by the committee that incomplete DSR is attached with case file for which PP submitted that he is carrying the complete copy of DSR and same will be submitted today. PP submitted the copy of DSR vide letter dated 17/12/2020. 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 Sand as per mine plan with quantity not exceeding 5,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 08.48 Lakh as capital and Rs 03.28 Lakh/year as recurring are proposed by PP.

19. Case No 7943/2020 Shri Laxmi Narayan S/o Shri Pyarji Sondhiya, R/o Village - Naipuriya, Tehsil & Dist. Rajgarh, MP - 465661 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5000 cum per annum) (Khasra No. 68/2/3 Part), Village - Naipuriya, Tehsil - Rajgarh, Dist. Rajgarh (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 68/2/3 Part), Village - Naipuriya, Tehsil - Rajgarh, Dist. Rajgarh (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. 1052 dated: 10/9/2020 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. During presentation it was observed by committee that a pucca road is in exist ace at a distance of 175 meters in the north eastern side of the lease. The crusher is also proposed within lease. After presentation the committee asked to submit following details:

- Revised EMP with addition to budget for wind breaking wall as crusher is proposed within the lease.
- Complete copy of DSR.

PP has submitted the response of above quarries same date vide letter dated 17.12.2020, 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 'B':

1. Production of Sand as per mine plan with quantity not exceeding 5,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 08.57 Lakh as capital and Rs 03.33 Lakh/year as recurring are proposed by PP.

20. Case No 7942/2020 Shri Vishram Singh S/o Shri Ramnarayan Meena, Village - Bokdi, Tehsil - Pachore, Dist. Rajgarh, MP - 465683 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5000 cum per annum) (Khasra No. 724/1 Part), Village - Bokdi, Tehsil - Pachore, Dist. Rajgarh (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 724/1 Part), Village - Bokdi, Tehsil - Pachore, Dist. Rajgarh (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. 1047 dated: 09/9/2020 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. During presentation it was observed by committee that a kachha road at a distance of 178 & 350 meters in the south and west direction and a pucca road at 450 meter in the North side of the lease. PP shall take proper mitigative measures for protection. During scrutiny of case file it was observed by the committee that incomplete DSR is attached with case file for which PP submitted that he

is carrying the complete copy of DSR and same will be submitted today. PP submitted the copy of DSR vide letter dated 17/12/2020. 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 5,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 08.46 Lakh as capital and Rs 03.28 Lakh/year as recurring 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 1/4th 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.