

The 383rd meeting of the State Expert Appraisal Committee (SEAC) was held on 10th July, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Sonal Mehta, Member.
2. Dr. Jai Prakash Shukla, Member.
3. Dr. R. Maheshwari, Member.
4. Dr. Rubina Chaudhary, Member
5. Shri. R. S. Kori, Secretary.

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

1. Case No. - 5765/2018 M/s Ultra Tech Cement Ltd., Ahura Centre, 1st Floor, A-Wing, Mahakali Caves Road, Andheri (E) Mumbai-400093. Prior Environment Clearance for Proposed Expansion in Production Capacity of Captive Power Plant from 25 MW to 28 MW at Village J.P. Puram Bela, Tehsil -Huzur, District - Rewa (M.P.). Category: 1(d) Thermal Power Plant.

This is a project pertaining to Proposed Expansion in Production Capacity of Captive Power Plant from 25 MW to 28 MW at Village J.P. Puram Bela, Tehsil -Huzur, District - Rewa (M.P.). The activity is mentioned at Category: 1(d) Thermal Power Plant of the Schedule of EIA Notification 2006 as amended from time to time. Hence the project requires prior Environmental Clearance from the SEIAA. The case was forwarded by SEIAA to SEAC for scoping so as to determine TORs' to carry out EIA and prepare EMP for the project.

The case was presented by the PP and their consultant and during presentation following details were provided.

- M/s. UltraTech Cement Ltd (UTCL), Unit – Bela Cement Works, has an existing Integrated Cement Plant, which is under operation since 1996 with Cement capacity of 2.5 Million TPA located at Village – Madheypur, PO - Jaypee Puram, District- Rewa (Madhya Pradesh).
- To meet the power requirement of existing Cement plant, UltraTech Cement Ltd. (Unit: Bela Cement Works) has proposed expansion in production capacity from 25 MW to 28 MW.
- CPP is located in premises of existing cement plant.
- This Project falls under Category “B”, Project or Activity 1 (d) (4) -{Thermal Power Plants }

HIGHLIGHTS OF THE PROJECT

- No change in Plant area.
- No change in water requirement
- No change in Man power requirement.
- Capacity enhancement by process optimization.
- Present Power requirement of plant is being fulfilled by State grid & CPP located within existing cement plant.
- Now, enhancement in power generation capacity of CPP from 25 MW to 28 MW is proposed to increase optimum capacity utilisation of existing plant

EXISTING CONSENTS

S. No.	Particular	Letter No & Date
1	CTE in favor of M/s. Jaiprakash Associated Ltd (25 MW)	14.05.2004
2.	CTO in favor of M/s. Jaiprakash Associated Ltd (25 MW)	05.02.2005
3.	CTE in favor of UTCL (25 MW)	15.01.2018 (Valid up to 26.12.2022)
4.	CTO in favor of UTCL (25 MW)	22.09.2018 (Valid upto 31.12.2018)

S. No.	Project Activity	Details
1.	Village	J. P. Puram Bela
2.	Tehsil	Huzur
3.	District	Rewa
4.	State	Madhya Pradesh
5.	Toposheet No	Core zone – G44V2 Buffer zone – G44V2, G44V3, G44V6 & G44V7
D.	Geographical Co-ordinates	

	Latitude	24° 31'48.43" N
	Longitude	81° 10.16'00" E

AREA DETAILS

S. No.	Project Activity	Details
A.	Area Details	
1.	Plant Area	<ul style="list-style-type: none"> Total Cement Plant Area:-49.3 Ha. CPP area 4.205 Ha (Within existing cement plant). No additional Land required
2.	Greenbelt/ Plantation Area	24.70 Ha

S. No.	Particulars	Details
1.	Nearest Town/City	Rewa (~7.5 km in ENE direction)
2.	Nearest National Highway	<ul style="list-style-type: none"> NH -7 (~3.5 km in South direction) NH -75 (~4.0 km in SW direction)
3.	Nearest Railway Station	<ul style="list-style-type: none"> Turki Railway Station (~3.5 km in NW direction) Rewa Railway Station (~7.5 km in ENE direction)
4.	Nearest Airport	Khajuraho Airport (~130 km in WNW direction) Allahabad Airport (~115 km in NE direction)
5.	Inter District Boundary	Rewa & Satna (~0.75 km in West direction)
6.	National Park, Wildlife Sanctuary, Biosphere Reserve, Reserved/Protected Forest) within 10 km radius	There is no National Park, Wildlife Sanctuary, Biosphere Reserve, Protected Forest within 10 km radius except one Reserved Forest. Sathari Reserved Forest (~8.0 km in NW direction)
7.	Water bodies within 10 km radius	Two rivers and five nalah
8.	Seismic Zone	Zone - III as per IS: 1893 (Part-I) : 2002

REQUIREMENTS OF THE PROJECT

S. No.	Particulars	REQUIREMENT			Source
		Existing	Additional	Total	
1.	Water Requirement (KLD)	160	-	160	Rainwater harvested in Mine Pit
2.	Manpower Requirement	70	-	70	More than 80% employee from Near by area (locals)
3.	Power Requirement (Auxiliary power consume) (MW)	2.375	0.145	2.52	CPP
4.	Fuel Requirement Coal (MT/Day)	513	62	575	E - auction/ Open market Calorific Value (Kcal/kg): 3800; Ash % : 45 ; Sulphur % : 0.8(max)
5.	Limestone (MT/Day)	50	10	60	Limestone Mines
6.	Total Cost for the Project	Rs. 50 Lakh/-			
7.	Cost for Environmental Protection Measures	<ul style="list-style-type: none"> • Capital Cost: Rs. 25 Lakh/- • Recurring Cost: Rs. 10 Lakh/ Annum 			

- Transportation of Coal by truck to power plant
- Unloaded of truck by truck tippler in the coal bunker.
- Feeding of coal to the coal crusher to crush it to the required size through the vibro feeder.
- Feeding of crushed coal to the boiler bunkers through coal silo and the conveyor belt.
- Feeding of coal to the boiler furnace through the rotary/drag chain feeders.

- Burning of coal in the furnace & the resultant heat utilized to heat water & convert it into steam.
- Passing of flue gases generated on the burning of fuel over the tubes of economizer & air pre-heater to utilize the heat.
- Now the flue gases pass through the ESP (Electro Static Precipitator) to chimney.
- On waterside, treatment of water by PTP (Pre-treatment Plant) to get the required quality.
- Treatment of water with lime & Dolomite in the High Rate Solid Contact Clarifier.
- Feeding of clarified water to the RO plant to meet the required quality for DM system.
- In DM plant, this DM water feed to the boiler for the purpose of making steam.
- Feeding of generated steam to the turbine through the control valve.
- In turbine the thermal energy of steam is utilized to rotate it. The turbine in turn rotates an alternator (electric generator). The generated electricity is evacuated from the alternator through the bus bar arrangement.

The committee after presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's and as per Annexure D:-

1. Being expansion, compliance of earlier EC conditions shall be submitted from the competent authority.
2. PP has requested for not conducting the public hearing being de-bottlenecking project and no new installation is proposed. This submission shall be justified in detail in the EIA report with the present pollution load and pollution load after expansion.
3. The mode of transportation of the coal shall be discussed in the EIA report.
4. No additional water required for this proposed expansion, justify in the EIA report.
5. Present status of fly-ash utilization and utilization of expended quantity of fly ash shall be provided in the EIA report.

PP submitted the EIA vide letter dated 23/05/2019 which was forwarded by SEIAA vide letter no. 1093 dated 10/06/2019.

The EIA was presented by PP and their consultants presented following salient features of the project:

- M/s. UltraTech Cement Ltd (UTCL), Unit – Bela Cement Works, has an existing Integrated Cement Plant, which is under operation since 1996 with Cement capacity of 2.5 Million TPA located at Village – Madheypur, PO - Jaypee Puram, District- Rewa (Madhya Pradesh). This is an existing Captive Power Plant which in operation

since 2004 for fulfilling the power requirement of the existing Integrated Cement Plant (Bela Cement Works) now the company is going for a minor **enhancement in Production Capacity of Captive Power Plant from 25 MW to 28 MW** by the means of debottlenecking and process optimization without any new installation to enhance the viability of the cement plant. Captive Power Plant is located in premises of existing cement plant. This Project falls under Category “B”, Project or Activity 1 (d) (4) -{Thermal Power Plants}.

- The mining lease is located at J.P. Puram Bela, Tehsil: Huzur, District: Rewa (Madhya Pradesh). Study area falls within the Survey of India Toposheet No. G44 V2, G44 V3, G44 V6 & G44 V7. The Project is located in Seismic zone- III. The Latitude and Longitude of the project site is 24°31'51.57"N and 81°10'20.76"E

Project Details

S. NO.	PROJECT ACTIVITY	DATE/DURATION
1.	Application (Form - 1/ToR and Pre-Feasibility Report) uploaded on State portal	4 th September, 2018
2.	First Technical Presentation (for ToR approval) held before SEAC, MP in 333rd SEAC Meeting (Agenda Item no. 4)	29 th November, 2018
3.	TOR letter issued by SEAC, M.P	418/PS-MS/MPPCB/SEAC/TOR(333)/2018 dated: 22/12/2018
4.	Baseline study period	October to December, 2018
5.	EIA/EMP Report uploaded online	31 st May, 2019

Highlights and Justification of Project-

There will be no change in Plant area, water requirement, fuel requirement, man power requirement, Capacity enhancement due to debottlenecking & process optimization, Present Power requirement of plant is being fulfilled CPP located within existing cement plant by State grid, Now enhancement in power generation capacity of CPP from 25 MW to 28 MW is proposed to increase optimum capacity utilisation of existing plant machineries.

Justification for Enhancement of power generation from 25 to 28 MW-

- Turbine Capacity enhancement by optimising control valve design for allowing required steam to turbine for generating 28 MW.

- Air cooled condenser fans effectiveness improvement by replacing existing aluminium blades with High efficient FRP blades
- The required quantity of steam for 28 MW is 113 MT / HR. Boiler is capable of generating 125 MT of steam as certified by OEM.
- Ash handling is mechanical conveying and can be enhanced by optimising speed by changing gear ratio of gear boxes
- Coal feed requirement to Boiler can be met by increasing present run hours of 6 Hours / Day to 6.5 Hours /Day
- All other supporting equipment's have margin to accommodate 12 % capacity enhancement.

Project Requirements Details

S. No.	Particulars	Existing Requirement	Source	Remark
1.	Water Requirement (KLD)	160	Rainwater harvested in Mine Pit	No Change
2.	Manpower Requirement	70	Existing Manpower	No Change
3.	Fuel Requirement Coal (MT/Day)	513	Fuel Supply agreement/Open market	No Change
4.	Limestone (MT/Day)	50	Limestone Mines	No Change

COST DETAILS:

- Capital Cost of the Project: INR 50.00 Lakh
- Cost for Environment Protection for the Project:
 - Capital cost – INR 25.00 Lakh
 - Recurring cost- INR 10.0 Lakh

PUBLIC HEARING:

As per the Point number 2 of Additional TOR issued by SEAC, Bhopal (Madhya Pradesh) vide letter number 418/PS-MS/MPPCB/SEAC/TOR (333)/2018, “PP has requested for not conducting the public hearing being de-bottlenecking project and process optimization, no new installation is proposed. This submission shall be justified in details in the EIA Report with the present pollution load and pollution load after expansion”

Justification for the Exemption of Public Hearing:

- This is an Existing Captive Power Plant (CPP) installed within the existing Cement plant premises of UltraTech Cement Limited (Unit: Bela Cement Works).
- Bela Cement Works was established in 49.3 ha with Cement Production Capacity of 1.5 MTPA in 1996. The company expanded the production capacity upto 2.5 MTPA for which Environmental Clearance was obtained J-11011/79/2003- IA.II (I) dated 21.04.2004.
- Public hearing for enhancement of cement plant was held on March 21st, 2003.
- Captive Power Plant with Production capacity of 25 MW was established in 2004 in an area of 4.205 ha within the cement plant premises for fulfilling the power requirement of the cement plant.
- Company is proposing Enhancement in Production Capacity of Captive Power Plant from 25 MW to 28 MW at J.P. Puram Bela, Tehsil: Huzur, District: Rewa (Madhya Pradesh).
- Company has asked for Exemption of Public Hearing because company is going for the minor enhancement in power generation capacity from 25 MW to 28 MW by the means of process optimization & debottlenecking by the following means:
- No new construction and additional installation are proposed. Enhancement will be done by process optimization debottlenecking.
- There will be no additional requirement of coal as existing specific steam consumption for 112.5 Tonne of steam is 4.5 /MW. Now if we reduce the specific steam consumption to 4.0 / MW then it will result in the power generation of 28 MW with the same amount of steam consumption i.e, 112.5. Therefore no Additional Fuel or Raw Material is required for the proposed enhancement in the production capacity.

Detailed Steam Consumption is given below:

Sr.No	Parameter	For 25 MW	For 28 MW
1	Generation ,kWh	600,000.00	672,000.00
2	Average Load,MW	25.00	28.00
3	Steam Consumption,MT	2700	2700
4	Specific steam consumption,Kg/kwh	4.50	4.02
5	Steam temperature,°C	512	512
6	Steam pressure ,Kg/cm ²	85	85

7	Enthalphy,Kcal/Kg	818	818
8	feed water enthalphy	197	197
9	Boiler Efficiency,%	86.00%	86.00%
10	Turbine Heat rate ,Kcal/Kwh	2795	2495
11	Plant Heat Rate ,Kcal/Kwh	3249	2901
12	Auxilliary Power , kWh	44000	47000
13	Auxilliary Power , %	7.33%	6.99%
14	PLF,%	100.00%	112.00%
15	Coal consumption as per bunker	513	513
16	GCV	3800	3800

- No additional transportation is envisaged.
- No additional Land will be required.
- No additional water is required.
- No additional bottom and fly ash will be generated and 100% of existing amount of ash generating is being used in cement plant for cement manufacturing.
- No additional waste water will be generated.
- Turbine Capacity enhancement by optimizing control valve design for allowing required steam to turbine for generating 28 MW.
- Air cooled condenser fans effectiveness improvement by replacing existing aluminium blades with High efficient FRP blades
- Ash handling is mechanical conveying and can be enhanced by optimising speed by changing gear ratio of gear boxes
- Coal feed requirement to Boiler can be met by increasing present run hours of 6 Hours / Day to 6.5 Hours /Day
- All other supporting equipment's have margin to accommodate 12 % capacity enhancement.
- Considering above mentioned points, the minor enhancement in power generation capacity from 25 MW to 28 MW only by de-bottlenecking& process optimization without any new installation will result in no change in the environmental conditions of the area.

PROCESS DESCRIPTION-

- Coal is being/ will be transported by truck/rail at power plant site then trucks are being/ will be unloaded by truck tippler in the coal bunker.
- The Coal is being/ will feed to the coal crusher to crush it to the required size through the vibro feeder that regulates the flow.
- The crushed coal is being/ will be fed to the boiler bunkers through coal silo and the conveyor belt.
- After receiving coal in the boiler bunkers, the coal is being/ will be fed to the boiler furnace through the rotary/drag chain feeders in the controlled quantities.
- The coal is being/ will burn in the furnace & the resultant heat is being/ will be utilized to heat water & convert it into steam.
- The flue gases that are being/ will be generated on the burning of fuel will pass over the tubes of economizer & air pre-heater to utilize the heat carried by the flue gases going outside, otherwise heat will go waste.
- Now the flue gases pass through the ESP (Electro Static Precipitator) to chimney.
- On waterside, water is being/ will be received by PTP (Pre-treatment Plant) from the existing resources. Here water is being/ will be treated to get the required quality than it will be treated with lime & Dolomite in the High Rate Solid Contact Clarifier.
- Then clarified water is being/ will be fed to the RO plant where its properties will be fine tuned to the required quality for DM system.
- In DM plant the required properties of water is being/ will be obtained and this DM water is being/ will feed to the boiler for the purpose of making steam.
- The cooling tower is being/ will be fed with the RO water for its replenishment. The generated steam in boiler at required parameters is being/ will be fed to the turbine through the control valve.
- In turbine the thermal energy of steam is being/ will utilize to rotate it. The turbine in turn rotates an alternator (electric generator). The generated electricity is evacuated from the alternator through the bus bar arrangement.

ENVIRONMENTAL MANAGEMENT-

- High Efficiency ESP has been provided for boiler
- Bag filters are installed at all material transfer points

- PM emission level is being maintained below the prescribed limit of 50 mg/Nm³
- Regular maintenance of pollution control equipment like Bag filters & ESP.
- Lime feeding system has been provided for control SO₂ emission to keep it below 600 mg/Nm³
- 80 m of stack height has been provided.
- Temperature is maintained between 800 to 900⁰ C to maintain NO_x emission level less than 300 mg/Nm³
- Periodic Air Quality Monitoring is being/will be done regularly and all the pollutants emitted from stack will be maintained in permissible limit.
- No wastewater is being discharged outside the plant premises.
- Domestic waste water is being treated in STP (located in Colony)
- Waste water generated from CPP is being used in Dust Suppression and Greenbelt Development after neutralization.
- Used oil & grease generated from plant machinery/Gear boxes are being sold to the CPCB authorized recycler.
- Rain water is being harvested in Mines Pit and the same is being used for Power Generation and also recharges the ground water.
- Rain water harvesting will be practiced at plant site to recharge ground water.
- Same practices will be continued in the future also.
- Training and awareness program on water conservation measures is being/will also be organized.
- Air cooled condenser has already been installed in CPP to reduce the consumption of water requirement.
- The Captive Power Plant installed within the existing plant premises and the power generating from this CPP is being and will be used for fulfilling the power requirement of the cement plant. Total Cement Plant Area is 49.3 ha and out of which 4.205 ha is covered by CPP.
- Plantation has been done in 33% of the total plant area and in future company will enhance the density of the plantation.
- 80% survival rate will be maintained with all possible efforts.

- Local plant species i.e. Acacia, Amla, Imli, Bargad, Peepal, Ashok, Cassia, Kachnar, Mango, Neem, Seesam etc. are being/ will be planted in consultation with Horticulture Department.

Solid and Hazardous Waste Management-

- 206 MT (21 MT Bed Ash & 185 MT Fly Ash) of Ash is being generated. 100 % of Ash which is being/will be used in Integrated Cement Plant for manufacturing of Cement.
- Municipal solid waste generated from the plant is being/ will be segregated and disposed off scientifically. Composting is being / will be done for the possible organic waste and manure is being / will be used in greenbelt development / plantation.
- Used oil & grease, Skimming & Empty Barrels are being/ will be generated from plant machineries as hazardous waste which is being/ will be sold to CPCB registered recycler.

After presentation , the committee observed that the EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for Proposed Expansion in Production Capacity of Captive Power Plant from 25 MW to 28 MW at Village J.P. Puram Bela, Tehsil -Huzur, District - Rewa (M.P.). Category: 1(d) Thermal Power Plant, subject to the following special conditions:

A. Statutory Compliance:

1. Emissions standards for Thermal Power Plants as per Ministry's Notification S.O. 3305(E) dated 7.12.2015, G.S.R.593 (E) dated 28.06.2018 and as amended from time to time shall be complied.
2. Part C of Schedule II of Municipal Solid Wastes Rules, 2016 dated 08.04.2016 as amended from time to time shall be complied for power plants based on Municipal Solid waste.
3. MoEF&CC Notification G.S.R 02(E) dated 2.1.2014 as amended time to time regarding use of raw or blended or beneficiated/washed coal with ash content not exceeding 34% shall be complied with, as applicable.
4. MoEF&CC Notification on Fly Ash Utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 as amended from time to time shall be complied.
5. The recommendation from Standing Committee of NBWL under the Wildlife (Protection) Act, 1972 should be obtained, if applicable.
6. No Objection Certificate from Ministry of Civil Aviation be obtained for installation of requisite chimney height and its sitting criteria for height clearance.

7. Ground water shall not be drawn during construction of the project. In case, ground water is drawn during construction, necessary permission be obtained from CGWA.

B. Ash content/ mode of transportation of coal:

1. Ash: 206 MT (21 MT Bed Ash & 185 MT Fly Ash) of Ash is being generated. 100 % of Ash which is being/will be used in Integrated Cement Plant for manufacturing of Cement.

C. Air quality monitoring and management:

1. Flue Gas Desulphurization System shall be installed based on Lime/Ammonia dosing to capture Sulphur in the flue gases to meet the So₂ emissions standard of 100 mg/Nm³
2. Selective Catalytic Reduction (SCR) system or the Selective Non-Catalytic Reduction (SNCR) system or Low NO_x Burners with Over Fire Air (OFA) system shall be installed to achieve NO_x emission standard of 100 mg/Nm³.
3. High efficiency Electrostatic Precipitators (ESPs) shall be installed in each unit to ensure that particulate matter (PM) emission to meet the stipulated standards of 30 mg/Nm³.
4. Stacks of prescribed height 80 m shall be provided with continuous online monitoring instruments for SO_x, NO_x and Particulate Matter as per extant rules.
5. Exit velocity of flue gases shall not be less than 20-25 m/s. Mercury emissions from stack shall also be monitored periodically.
6. Continuous Ambient Air Quality monitoring system shall be set up to monitor common/criteria pollutants from the flue gases such as PM₁₀, PM_{2.5}, SO₂, and NO_x within the plant area at least at one location. The monitoring of other locations (at least three locations outside the plant area covering upwind and downwind directions at an angle of 120 degree each) shall be carried out manually.
7. Adequate dust extraction/suppression system shall be installed in coal handling, ash handling areas and material transfer points to control fugitive emissions.
8. Appropriate Air Pollution Control Measures (DEs/DSs) be provided at all the dust generation sources including sufficient water sprinkling arrangements at various locations viz. roads, excavation sites, crusher plants, transfer points, loading and unloading areas etc.

D. Noise pollution and its control measures:

1. The Ambient Noise levels shall meet the standards prescribed as per the Noise Pollution (Regulation and Control) Rules, 2000.
2. Persons exposed to high noise generating equipment shall use personal protective equipment (PPE) like earplugs/ear muffs, etc.

3. Periodical medical examination on hearing loss shall be carried out for all the workers and maintain audiometric record and for treatment of any hearing loss including rotating to non-noisy/less noisy areas.

E. Human Health Environment:

1. Bi-annual Health check-up of all the workers is to be conducted. The study shall take into account of chronic exposure to noise which may lead to adverse effects like increase in heart rate and blood pressure, hypertension and peripheral vasoconstriction and thus increased peripheral vascular resistance. Similarly, the study shall also assess the health impacts due to air polluting agents.
2. Baseline health status within study area shall be assessed and report is prepared. Mitigation measures should be taken to address the endemic diseases.
3. Impact of operation of power plant on agriculture crops, large water bodies (as applicable) once in two years by engaging an institute of repute. The study shall also include impact due to heavy metals associated with emission from power plant.
4. Sewage Treatment Plant shall be provided for domestic wastewater.

F. Water Quality Monitoring and Management:

- 1) Induced /Natural draft closed cycle wet cooling system including cooling towers shall be set up with minimum Cycles of Concentration (COC) of 5.0 or above for power plants using fresh water to achieve specific water consumption of 2.5 m³/MWh. (Or) Induced/Natural draft open cycle cooling system shall be set up with minimum Cycles of Concentration (COC) of 1.5 or above for power plants using sea water.
- 2) In case of the water withdrawal from river, a minimum flow 15% of the average flow of 120 consecutive leanest days should be maintained for environmental flow whichever is higher, to be released during the lean season after water withdrawal for proposed power plant.
- 3) Records pertaining to measurements of daily water withdrawal and river flows (obtained from irrigation Department/Water Resources Department) immediately upstream and downstream of withdrawal site shall be maintained.
- 4) Rainwater harvesting in and around the plant area be taken up to reduce drawl of fresh water. If possible, recharge of ground water to be undertaken to improve the ground water table in the area.
- 5) Regular (at least once in six months) monitoring of ground water quality in and around the ash pond area including presence of heavy metals (Hg, Cr, As, Pb, etc.) Shall be carried out as per CPCB guidelines. Surface water quality monitoring shall be undertaken for major surface water bodies as per the EMP. The data so obtained should be compared with the baseline data so as to ensure that the groundwater and surface water quality is not adversely impacted due to the project & its activities.

- 6) The treated effluents emanating from the different processes such as DM plant, boiler blow down, ash pond/dyke, sewage, etc. conforming to the prescribed standards shall be re-circulated and reused. Sludge/ rejects will be disposed in accordance with the Hazardous Waste Management Rules.
- 7) Hot water dispensed from the condenser should be adequately cooled to ensure the temperature of the released surface water is not more than 5 degree Celsius above the temperature of the intake water.
- 8) Sewage generation of 600 KLD will be treated by setting up sewage treatment plant to maintain the treated sewage characteristics as per the prescribed norms.
- 9) Process description of the existing: STP Bar screen chamber followed by collection cum equalization tank followed by Fluidized Aerobic Bed Reactors (2 Nos.), (FAB) are provided with coarse air bubble diffusion system followed by Tube Settler Tank in the STP. The clear supernatant after disinfecting by chlorination is being passed through dual filter and activated Carbon filter before collection in the treated water tank. The sludge generated from the FAB is passed through sludge digester and dried and the filtrate is being collected and sent back to the equalization tank and the dried cakes will be used as manure. The treated water is being/will be used for plantation activities and green belt development.
- 10) No wastewater shall be discharged outside the plant premises.
- 11) Domestic waste water is being treated in STP (located in Colony).
- 12) Water Waste water generated from CPP is being used in Dust Suppression and Greenbelt Development after neutralization.

G. Risk Mitigation and Disaster Management

- 1) Adequate safety measures and environmental safeguard shall be provided in the plant area to control spontaneous fires in coal yard. Especially during dry and humid season.
- 2) Storage facilities for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made as per the extant rules in the plant area in accordance with the directives of Petroleum & Explosives Safety Organization (PESO) Sulphur Content in the liquid fuel should not exceed 0.5%
- 3) Ergonomic working conditions with First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- 4) Safety management plan based on Risk Assessment shall be prepared to limit the risk exposure to the workers within plant boundary.
- 5) Regular mock drills for on-site emergency management plan and integrated Emergency Response System shall be developed for all kind of possible disaster situations.

H. Green Belt and Biodiversity conservation

- 1) Green Belt shall be developed in an area of 33% of the total project with indigenous native species in accordance with CPCB guidelines. The green belt shall inter alia cover an entire periphery of the plant.
- 2) For proposed plantation, 80% survival rate will be maintained with all possible efforts.
- 3) Three tier plantation will be done around plant boundary with density of 2500 trees/ha for increasing the density.
- 4) Local plant species i.e. Acacia, Amla, Imli, Bargad, Peepal, Ashok, Cassia, Kachnar, Mango, Neem, Seesam etc. are being/ will be planted in consultation with Horticulture Department.
- 5) In-situ /ex-situ conservation plan for the conservation of Flora and fauna should be prepared and implemented.

I. Waste management.

- 1) Solid waste management should be planned in accordance with extant solid waste management rules, 2016.
- 2) 206 MT (21 MT Bed Ash & 185 MT Fly Ash) of Ash is being generated. 100 % of Ash which is being/will be used in Integrated Cement Plant for manufacturing of Cement.
- 3) Municipal solid waste generated from the plant is being/ will be segregated and disposed off scientifically. Composting is being / will be done for the possible organic waste and manure is being / will be used in greenbelt development / plantation.
- 4) Used oil & grease, Skimming & Empty Barrels are being/ will be generated from plant machineries as hazardous waste which is being/ will be sold to CPCB registered recycler.
- 5) Toxicity characteristic Leachate procedure (TCLP) test shall be conducted for any substance, potential of leaching heavy metals into the surrounding areas as well as into the ground water.
- 6) Ash pond shall be lined with impervious liner as per the soil conditions. Adequate dam/dyke safety measures shall also be implemented to protect the ash dyke from getting breached
- 7) Fly ash shall be collected in dry form and ash generated shall be used in phased manner as per provisions of Notification on Fly Ash utilization issued by the Ministry and amended thereto. By the end of 4th year, 100% fly ash utilization should be ensured. Unutilized ash shall be disposed off in the ash pond in the form of high concentration slurry. Mercury and other heavy metals (As, Hg, Cr, and Pb etc.) will be monitored in the bottom ash as also in the effluent emanating from the existing ash pond. Fly-ash utilization details shall be submitted to concerned Regional office along with the six monthly compliance reports and utilization data shall be published on company's website.
- 8) Unutilized ash shall be disposed off in the ash pond in the form of high concentration slurry/medium concentration slurry/lean concentration slurry method. Ash water recycling system shall be set up to recover supernatant water

- 9) In case of waste to energy plant, major problems related with environment are fire smog in MSW dump site, foul smell and impacts to the surrounding populations. Therefore, the following measures are required to be taken up:
- i). Water hydrant at all the dumpsites of MSW area to be provided so that the fire and smog could be controlled.
 - ii). Sprayer like microbial consortia may be provided for arresting the foul smell emanating from MSW area.

J. Monitoring of compliance

- 1) Environmental audit of the project to be taken up by third party for preparation of Environmental statement as per Form-V and conditions stipulated in the EC and report be submitted to the ministry.
- 2) Energy conservation plan to be implemented as envisaged in the EIA/EMP report. Renewable energy purchase obligation as set by MOP/ state govt. shall be met either by establishing renewable energy power plant (such as solar, wind, etc.) or by purchasing renewable energy certificates.
- 3) Monitoring of carbon emissions from the existing power plant as well as for the proposed power project shall be carried out annually from a reputed institute and report be submitted to the ministry's regional office.
- 4) Energy and Water audit shall be conducted at least once in two years and recommendations arising out of the report should be followed. A report in this regard shall be submitted to ministry's Regional office.
- 5) Environment Cell (EC) shall be constituted by taking members from different divisions, headed by a qualified person on the subject, who shall be reporting directly to the head of the project.

K. Corporate Environmental Responsibility (CER) activities;

1. CER activities will be carried out as per OM No. 22-65/2017-IA.II dated 01.05.2018 or as proposed by the PP in reference to Public Hearing or as earmarked in the EIA/EMP report along with the detailed scheduled of implementation with appropriate budgeting.
2. PP will follow CER activity as proposed:

S.No.	Activities	YEARS					Total
		18-19	19-20	20-21	21-22	22-23	
1.	Education	30.50	32.03	33.63	35.31	37.07	168.53

2.	Healthcare	34.50	36.23	38.04	39.94	41.93	190.63
3.	Sustainable Livelihood	37.75	39.64	41.62	43.70	45.89	208.59
4.	Infrastructure Development	77.00	80.85	84.89	89.14	93.59	425.47
5.	Social Causes	5.00	5.25	5.51	5.79	6.08	27.63
Total		184.75	193.99	203.69	213.87	224.56	1020.86

L. Cost for Environment Protection for the Project:

- Capital cost – Rs.25.00 Lakh
- Recurring cost- Rs. 10.0 Lakh/ Year.

2. Case No. – 6169/2019 Shri Devesh Sahu, Village - Basahari, Tehsil - Khurai, Dist. Sagar, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 3.90 ha. (5000 cum per annum) (Khasra No. 378/1), Village - Basahari, Tehsil - Khurai, Dist. Sagar (MP)

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 378/1), Village - Basahari, Tehsil - Khurai, Dist. Sagar (MP) 3.90 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. 379 dated: 20/02/19 has reported that there are 09 more mines operating or proposed within 500 meters around the said mine with total area of 17.20 ha., including this mine.

The case was scheduled in the SEAC 372nd meeting dated 22-05-19 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was again scheduled for presentation wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the SEAC 372nd meeting dated 22-05-19. 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.

3. Case No. – 6090/2019 M/s Naveen Infratech Pvt. Ltd, 617/1604, Digdiga, Vishal Khand-1, Opposite 1/736, Gomti Nagar, Lucknow, UP – 226010 Prior Environment Clearance for Granite Quarry in an area of 2.250 ha. (1,35,564 cum per annum) (Khasra No. 479, 484, 485), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP)

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 479, 484, 485), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.250 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 letter No. NIL dated: 10/12/2018 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 20.271 ha., including this mine.

The case was scheduled for presentation but neither the Project Proponent (PP) nor his authorized representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was again scheduled for presentation in the SEAC 371nd meeting dated 21.05.2019 wherein it is observed that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 362nd SEAC meeting dated 15/04/2019. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

- That the lease area is falling on the hillock which is having height of approximately from surface level (187-157= 30 m).
- Also to carry out mining of granite stone is in such a hillock where gradient is slightly high involves safety and mechanical risks.

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

4. Case No. - 5936/2019 Sarpanch, Gram Panchayat, Village - Mowad, Tehsil - Khairlanji, Dist. Balaghat, MP Prior Environment Clearance for Sand Mine in an area of 4.202 Ha. (94,545 cum per annum) (Khasra No. 209/1 Part), Village- Mowad, Tehsil - Khairlanji, Dist. Balaghat (MP).

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 209/1 Part), Village- Mowad, Tehsil - Khairlanji, Dist. Balaghat (MP) 4.202 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 vide letter No. NIL dated: NIL has reported that there are no more mine operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation in the 353rd SEAC meeting dated 19-03-19 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was scheduled in the SEAC 373rd meeting dated 24-05-19 again for presentation wherein it is recorded that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 353rd SEAC meeting dated 19-03-19. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC 373rd meeting dated 24-05-19 & 353rd SEAC meeting dated 19-03-19. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

5. Case No. – 6203/2019 Shri Deepak Brahminy, Village - Jamanya, Tehsil - Niwali, Dist. Barwani, MP – 451666 Prior Environment Clearance for Stone Quarry in an area of 1.214 ha. (9,700 cum per annum) (Khasra No. 37/7), Village - Jamanya, Tehsil - Niwali, Dist. Barwani (MP).

This is case Stone Quarry in an area of 1.214 ha. (9,700 cum per annum) (Khasra No. 37/7), Village - Jamanya, Tehsil - Niwali, Dist. Barwani (MP). 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. 194 dated 01/03/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.031 ha., including this mine.

The case was scheduled in the in 371st SEAC meeting dated 21-05-19 for the presentation but neither the Project Proponent (PP) nor his authorized representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Settlement	>170	NW	Three rows of

			plantations.
Natural Stream	>300	NW to NE	Provision of garland drain and settling tanks.
A Pakka Road	>100	South	Two row of plantations.

PP further stated that crusher is proposed in the lease area and it shall be 100 meters away from the road. After presentation the committee asked to submit following details:

1. Land ownership documents.
2. Top soil management.
3. Revised location of garland drain and settling drain.
4. Revised EMP includes cost of wind breaking M.S. wall.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 9,700 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.70Lakh as capital and Rs 3.94 Lakh/year and under CER Rs. 0.40 Lakh/years has proposed

6. Case No. - 5935/2019 Sarpanch, Gram Panchayat, Village - Khairi, Tehsil - Khairlanji, Dist. Balaghat, MP Prior Environment Clearance for Sand Mine in an area of 4.0 Ha. (90,000 cum per annum) (Khasra No. 854 Part), Village- Khairi, Tehsil - Khairlanji, Dist. Balaghat (MP).

This is case of Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 854 Part), Village- Khairi, Tehsil - Khairlanji, Dist. Balaghat (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector's Office vide letter No. 208 dated: 06/02/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During perusals of the documents and presentation, it was observed that co-ordinates mentioned in mine plan and form-1 are different and as per Khasra map shape and sizes of lease, the co-ordinate mentioned in Form-1 appears to be matching. Committee after deliberations recommends PP to submit revised DGPS co-ordinates of the lease duly approved/authenticated by the competent authority for further consideration.

PP vide letter dated 15/03/2019 has submitted the revised form-1M with co-ordinates mentioned in mine plan. The Committee observed that the submitted co-ordinates are not approved by competent authority and form-1M is not accepted as per SEIAA decision communicated vide letter no. 1886 dated 27/12/2018. Thus committee decided that the reply submitted by PP is not as per the queries raised and decided that PP may be asked to submit revised DGPS co-ordinates of the lease duly approved/authenticated by the competent authority for further consideration.

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

7. Case No. – 6306/2019 Smt. Anita Patidar, Village - Kurdigpura, Tehsil - Kukshi, Dist. Dhar, MP – 454331 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (14814 cum per annum) (Khasra No. 39/1/1), Village - Kurdigpura, Tehsil - Kukshi, Dist. Dhar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 39/1/1), Village - Kurdigpura, Tehsil - Kukshi, Dist. Dhar (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1838 dated: 27/06/18 has reported that

there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.0 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
A small stop dam like structure	>70	North- East	--
A small stop dam like structure	>90	South- West	--
Settlement	>190	North	Two row of plantations.

Committee observed that the site is located on hilly terrain with undulations thus to control & chanalize the rain water garland drains and settling tanks shall be provided. The pp stated that the proposed site is on plateau which is very undulating type terrain at present erection of crusher work is in progress but they have not carried out any mining activity at the site.

After presentation the committee asked to submit following details:

1. Top soil management plan.
2. Revised location of garland drain and settling drain.
3. Revised EMP & CER.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 14, 814 cum per annum.

2. A budgetary provision for Environmental management Plan of Rs. 8.28 Lakh as capital and Rs 3.50 Lakh/year and under CER Rs. 0.60 Lakh/years has proposed.

8. Case No. – 6304/2019 Smt. Anita Patidar, Village - Kurdigpura, Tehsil - Kukshi, Dist. Dhar, MP – 454331 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (22,893 cum per annum) (Khasra No. 39/1/1), Village - Kurdigpura, Tehsil - Kukshi, Dist. Dhar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 39/1/1), Village - Kurdigpura, Tehsil - Kukshi, Dist. Dhar (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1838 dated: 27/06/18 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.0 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
One stop dam	>80	South - East	Provision of garland drain and settling tanks.
Kachha Road	>80	North	Two rows of plantations.
Settlement	>400	South-west	Two rows of plantations.

Committee observed that the site is located on hilly terrain with undulations thus to control & chanelize the rain water garland drains and settling tanks shall be provided. After presentation the committee asked to submit following details:

1. Top soil management plan.
2. Revised location of garland drain and settling drain.
3. Cost of wind breaking wall in EMP.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 22,893 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.33 Lakh as capital and Rs.3.51 Lakh/year and under CER Rs. 0.70 Lakh/years has proposed.

9. Case No. – 6343/2019 Shri Nageshwar Singh S/o Late Shri Shankar Singh, Village - Ramnai, Tehsil - Huzur, Dist. Rewa, MP -486001 Prior Environment Clearance for Stone Quarry in an area of 1.60 ha. (15458 cum per annum) (Khasra No. 117), Village - Pathargadhi, Tehsil - Huzur, Dist. Rewa (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 117), Village - Pathargadhi, Tehsil - Huzur, Dist. Rewa (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. 3790 dated: 14/05/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.857 ha., including this mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, no any sensitive features were observed within 500 meters of the lease area:

After presentation the committee asked to submit following details:

1. P-II Khasra form copy.
2. Revised EMP & CER.
3. Revised plantation scheme.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 15,458 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.04 Lakh as capital and Rs 2.53 Lakh/year and under CER Rs. 1.0 Lakh/years has proposed.

10. Case No. – 6333/2019 M/s Vindhya Mining & Minerals Trading Company, Shri Ajay Kumar Singh, Rampur Shaktagarh, Dist. Mirjapur, UP Prior Environment Clearance for Stone Quarry in an area of 2.70 ha. (45000 cum per annum) (Khasra No. 115, 116), Village - Duari, Tehsil - Chitrangi, Dist. Singrauli (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 115, 116), Village - Duari, Tehsil - Chitrangi, Dist. Singrauli (MP) 2.70 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. 8803 dated: 27/09/18 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.70 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Isolated houses	>20		Three rows of plantations.

Trees	Within lease	-	20 meter setback along south east and south west lease boundary including barrier zone.
Kachch road	>100	East	Two row of plantations.

The pp stated that the proposed site is on plateau, after presentation the committee asked to submit following details:

1. Revised plantation scheme.
2. Commitment for setback of 20 meters along south- east and south- west lease boundary including barrier zone due to existence of trees
3. Protection plan for isolated hutments.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 45,000 cum per annum.
2. The set back of 20 meters along south- east and south- west lease boundary including barrier zone shall be left due to existence of trees.
3. A budgetary provision for Environmental management Plan of Rs. 5.76 Lakh as capital and Rs. 2.23Lakh/year and under CER Rs. 1.25 Lakh/years has proposed.

11.Case No. – 6334/2019 M/s Kalika Minerals, Shri Jivendra S/o Shri Triveni Singh, Village - Baijnath, P.O. Bholagarh, Tehsil - Huzur, Dist. Rewa, MP – 486450 Prior Environment Clearance for Stone Quarry in an area of 2.024 ha. (20500 cum per annum) (Khasra No. 40/1), Village - Kothar, Tehsil - Amarpatan, Dist. Satna (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 40/1), Village - Kothar, Tehsil - Amarpatan, Dist. Satna (MP) 2.024 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. 1328 dated: 12/04/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pukka road	>60	North- East	Two row of plantations.

After presentation the committee asked to submit following details:

- Revised plantation scheme and EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 20,500 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.22 Lakh as capital and Rs. 2.08 Lakh/year and under CER Rs. 1.25 Lakh/years has proposed.

12. Case No. – 6335/2019 M/s. Aditya & Company, Smy. Sunita Dareyani, Sharda Colony, Katni Road, Ward No. 5, Maihar, Dist. Satna, MP – 485447 Prior Environment Clearance for Stone Quarry in an area of 1.29 ha. (15000 cum per annum) (Khasra No. 896), Village - Bathiya, Tehsil - Maihar, Dist. Satna (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 896), Village - Bathiya, Tehsil - Maihar, Dist.

Satna (MP) 1.29 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. 1188 dated: 02/04/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine total area of 4.039 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	>50	East	05 meter set back and two rows of plantation.
Pakka road	>300	North – west	Two rows of plantation.

After presentation the committee asked to submit following details:

- Commitment for leaving 05 meters setback on the eastern side.
- Revised plantation scheme.
- Revised EMP & CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 15,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 5.22 Lakh as capital and Rs. 1.93 Lakh/year and under CER Rs. 0.75 Lakh/years has proposed.

13. Case No. – 6336/2019 M/s Anil Pandey Stone Crusher, Shri Anil Pandey, Village - Atrauli, Tehsil - Huzur, Dist. Rewa, MP – 484224 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (9,000 cum per annum) (Khasra No. 118/2, 118/3, 238/3), Village - Atrauli, Tehsil - Huzur, Dist. Rewa (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 118/2, 118/3, 238/3), Village - Atrauli, Tehsil - Huzur, Dist. Rewa (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. 1039 dated: 07/03/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 2.095 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Canal	>100	East	Provision of garland drain and setting tanks.
Kachcha road	>900	East	two rows of plantation.

After presentation the committee asked to submit following details:

- Revised plantation scheme.
- Revised EMP & CER as suggested during presentation.
- Copy of P II Khasra form.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 9,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 4.60 Lakh as capital and Rs. 2.23 Lakh/year and under CER Rs. 1.0 Lakh/years has proposed.

14. Case No. – 6344/2019 Smt. Rajkumari Diwedi, Daddari, Tehsil - Nowgong, Dist. Chhatarpur, MP – 471001 Prior Environment Clearance for Metal Stone Quarry in an area of 2.0 ha. (62937 cum per annum) (Khasra No. 919), Village - Khakari Virpura, Tehsil - Nowgong, Dist. Chhatarpur (MP)

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 919), Village - Khakari Virpura, Tehsil - Nowgong, Dist. Chhatarpur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 589 dated: 22/02/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine total area of 4.76 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. - 6307/2019 Shri Surypratap Yadav, Gram - Indore, Tehsil - Isagarh, Dist. - Ashok Nagar(M.P.)– 473338. Prior Environment Clearance for Crusher Stone Quarry in an area of 2.0 ha. Capacity -10,830 cum per annum, at Khasra No. - 477, Village - Pipariyarai, Tehsil - Ashoknagar, Dist. - Ashoknagar (M.P.)

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. - 477, Village - Pipariyarai, Tehsil - Ashoknagar, Dist. - Ashoknagar (M.P.) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 210 dated: 18/03/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.0 ha., including this mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Solar panels	>400	NW	Protection plan against solar panels.
Natural drain	>200	SW	Provision of garland drain & setting tanks.

After presentation the committee asked to submit following details:

- Revised plantation scheme.
- Protection plan for solar panels.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 10,830 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.44 Lakh as capital and Rs. 1.07 Lakh/year and under CER Rs. 0.65 Lakh/years has proposed.

16. Case No. – 6349/2019 Shri Ramesh Chandra Kalmodiyia, Limachauhan, Tehsil - Sarangpur, Dist. Rajgarh, MP – 465661 Prior Environment Clearance for Basalt Stone Quarry in an area of 2.0 ha. (2,850 cum per annum) (Khasra No. 2388/1), Village - Limachauhan, Tehsil - Sarangpur, Dist. Rajgarh (MP)

This is case of Basalt Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2388/1), Village - Limachauhan, Tehsil - Sarangpur, Dist. Rajgarh (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 740 dated: 29/05/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Water body	>200	East	Provision of garland drain and setting tanks.
Pucca road	>300 & >400	West & east	

After presentation the committee asked to submit following details:

- Revised plantation scheme.

PP has submitted the response of above quarries same date vide letter dated 10.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Basalt Stone 2,850 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.32 Lakh as capital and Rs. 1.49 Lakh/year and under CER Rs. 0.60 Lakh/years has proposed.

17. Case No. – 6308/2019 M/s Ardash Construction and Suppliers Pvt. Ltd, R/o Ganpati Vihar Phase-2, Dehariya Mukhani, Manpur West, Dist. Nainital, UK – 263139 Prior Environment Clearance for Granite Stone Quarry in an area of 3.438 ha. ((2018-19 : 10000, 2019-20 : 203752, 2020-21: 291431, 2021-22 : 195904 cum per annum)) (Khasra No. 484P), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP)

This is case of Granite Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 484P), Village - Lausi, Tehsil - Gaurihar,

Dist. Chhatarpur (MP) 3.438 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. 1859 dated: 02/04/19 has reported that there is 07 more mine operating or proposed within 500 meters around the said mine with total area of 20.371 ha. including this mine.

The case was scheduled in the case no. 379th dated 04.07.02019 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

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

- That the lease area is falling on the hillock which is having height of approximately surface level (187-157= 30 m).
- Also to carry out mining of granite stone is in such a hillock where gradient is slightly high involves safety and mechanical risks.

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

(Dr. R. Chaudhary)
Member

(Dr. J. P. Shukla)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(R. S. Kori)
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/Murrum and Soil quarries:

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

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

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

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

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

Annexure- 'C'

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

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

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

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

Annexure- 'D'

General conditions applicable for the granting of TOR

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

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

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

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