

The 437<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 01<sup>st</sup> June, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.
6. Dr. Rubina Chaudhary, Member.
7. Shri A.A. Mishra, Secretary.

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

1. **Case No. – 7044/2020 Executive Engineer, Office of the Executive Engineer, Narmada Development Division No. 20, Mandleshwar, Dist. Khargone, (M.P.) Prior Environment Clearance for ISP - Kalisindh Micro Lift Irrigation Scheme Phase II, [Covered Area : Th. & Distt.—Shajapur, Teh- Bagli Distt.- Dewas, The- Saragpur Distt.- Rajgarh, The- Punasa Distt.- Khandwa, Teh. – Jawar Distt.- Sehore] at Tehsil - Punasa, Dist. Khandwa (M.P.). Capacity – 100000 CCA. Cat. 1(c) River Valley Project.**

**The Executive Summary of the project:**

The main objective of ISP – Kalisindh Link Project Phase – II is to provide irrigation facilities to the water-scare areas in upper reaches of Chambal Basin where the level of irrigation is much less as compare to that of national average. The project has been conceived to cater irrigation water to about 1,00,000 Ha of CCA in Rajgarh and Shajapur districts (Madhya Pradesh). The lifting point is located on Indira Sagar Project reservoir in district Khandwa; , lifting point, pump houses and rising main lie in Khandwa, Dewasand Sehore districts while the command area lie in Rajgarh and Shajapur districts.

175 villages of Rajgarh and Shajapur districts will be benefitted as per details given below.

S. No.	District	Tehsil	Total Number of Villages
1	Rajgarh	Sarangpur	39

2	Shajapur	Shujalpurand Shajapur	34+102=136
TOTAL			175

Execution of ISP Kalisindh Phase II Micro Lift Irrigation Project of M.P. comprising of-

1. Lifting of 32.04 cumecs water from Indira Sagar Project reservoir to supply for irrigation in 1,00,000 Ha CCA.
2. Construction of Pumping Stations with Pumps including substation, transformer and all electrical works and Control Room with SCADA.
3. Laying of Rising Mains / Gravity Mains including intermediary structures.
4. Erection of Electric Line of suitable voltage and power as may be required.
5. Construction of underground piped main canals/ major/minor distributaries and disnet for Micro irrigation up to 2.5 ha. chak including inline structures & other miscellaneous works.
6. Power requirement for the entire project shall not exceed 140.169 MW for first 15 years of operation.

**Salient Features**

<b>Name of the Project</b>	:	<b>ISP KalisindhPhase II Micro Lift Irrigation Scheme</b>
<b>Type of Project</b>	:	Irrigation Project
<b>Project Location</b>		
i) Supply Source	:	Indira Sagar Project Reservoir
ii) Lifting Point	:	Indira Sagar Reservoir in district Khandwa
iv) Command	:	In Rajgarh&Shajapur districts
<b>River Basin</b>		
a) Name		
i) Lifting	:	Narmada BasinKalisindh, ChhotiKalisindh&Newaj
ii) Command	:	Sub basin of Chambal Basin

b) Located in	:	Madhya Pradesh
<b>Access to the Project</b>		
Nearest Airport	:	Devi Ahilya Airport, Indore (M.P.)
Nearest Rail Head (BG)	:	Khandwa; and is i) 70 km from Indira Sagar Project ii) 90 km from Lifting Point iii) 130 km from Junction Structure delivery point
<b>Interstate aspects of the project</b>		
Catchment area of the basin	:	It is a lift scheme hence no independent catchment is being harnessed
Submergence due to project	:	No submergence due to project, as it is a lift irrigation scheme
Water allocation for the State	:	Quantum of water being lifted for this project is included in the water share of M.P. as per NWDT award
Water allocation for other state	:	Not applicable
<b>Irrigation</b>		
Gross Command Area (GCA)	:	1,86,163 ha
Culturable Command Area (CCA)	:	1,00,000 ha
Crop	:	Rabi - 100% (1,00,000 ha)
<b>Water Utilization</b>		
Discharge	:	32.04 cumec
<b>Estimated life of the project</b>	:	50 Years
<b>Pump Head</b>	:	Total head – 287 m
<b>Distribution system</b>	:	Piped distribution up to 2.5 Ha (HDPE/MS Pipe)
<b>Power Requirement</b>	:	140.169 MW

Cost	:	Rs. 4407.52 Crore
B. C. Ratio	:	1.60

### **Proximity to Protected Areas**

There is no protected area within 10 Km of the project location. Kheoni Wildlife Sanctuary's ESZ boundary is at about 55Km from lifting point and underground rising main will pass at a distance of 24 km. Ralamandal WLS is at about 70Km from lifting point and underground rising main will pass at a distance of 60 km.

### **Land requirement**

The entire micro irrigation system has been aligned in such a way, that it passes through minimum forest area. However, for laying of Rising mains, Gravity mains, transmission line and establishing pump houses approximate 108.36 ha of forest land shall be required. Process of diversion of forest land shall be initiated soon. For construction of pumping stations and rising mains, private land of about 4 ha shall be required.

The pipe shall be laid 1.00 m below average ground level and land will be restored immediately on completion of the work. Wherever, the pipeline/ transmission line will be pass through private land, temporary land acquisition will be done as per the applicable law. Total temporary land requirement is worked out as 3800 ha.

The case was presented by and their consultant through video conferencing for issuing of TOR to carryout EIA studies with site specific details. PP stated that as per MOEF notification Part II Section – 3(II) dated 1.12.2009 SO 3067 (E) page no 18 under V 'those irrigation projects which are not involving submergence or inter-state domain shall be appraised at state level Category "B" project' and hence shall be appraised by SEIAA/SEAC Madhya Pradesh.

PP stated that In ISP Kalisindh Phase II Micro Lift Irrigation Scheme, water will be lifted from ISP Reservoir near village Banka Palas (Tehsil Punasa) and distributed by pipeline to meet irrigation water requirement for 1,00,000 ha (CCA). 175 villages of Rajgarh and Shajapur districts will be benefitted. Project is designed for a discharge of 32.04 cumec. Lifting location is ISP reservoir in Khandwa district, RM route passes through Khandwa, Dewas and Sehore district command area is in Rajgarh and Shajapur districts.

PP further stated that there is no protected area within 10 Km of the project location, Kheoni ESZ boundary is at about 55KMs from lifting point and rising main will pass at a distance of 24 km. Ralamandal WLS is at about 70 KMs from lifting point and rising main will pass at a distance of 60 KMs. For laying of rising mains appx. 108.36 ha. of forest land shall be required. Survey was initiated but could not proceed due to Lock Down. For construction of pump houses and Distribution chambers, private land of about 12 ha. shall be required; we shall do best effort to

ensure that these are located on government land; however, if any permanent private land requirement cannot be avoided, R&R details will be provided in EIA report. In private or Govt. land the pipe shall be laid 1.00 m below average ground level hence no land for pipes shall be acquired permanently and temporary land acquisition will be done as per the applicable act. About 3800 ha.private will be required temporarily.

Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

- Since project involves 108.36 ha., forest area, F.C. clearance has to be obtained by PP and copy of the same should be submitted with EIA report.
- Bifurcation of RF and PF details.
- The total temporary land requirement is worked out as 12.0 ha. and 3800 ha.private land if any issue involved to R&R, to be elaborated in EIA with proper provisions issued by various State /central Government orders/ notification.
- For baseline data – one month monsoon monitoring to be done.
- Muck management plan shall be submitted with EIA report.
- Incorporate awareness/ training activities including of distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

**2. Case No 7069/2020 M/s. Indore Development Authority, 7, Race Course Road, Dist. Indore, MP Prior Environment Clearance for Construction of Inter State Bus Terminal (Total Area = 56310.0 sqm, Total Built Up Area = 23437.0 sqm) at 139 - 169, 'A' Supercorridor, Village - Kumedi, Tehsil - Indore, Dist. Indore (MP)**

This is case of Prior Environment Clearance for construction of Inter State Bus Terminal (Total Area = 56310.0 sqm, Total Built Up Area = 23437.0 sqm) at 139 - 169, 'A' Supercorridor, Village - Kumedi, Tehsil - Indore, Dist. Indore (MP).

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

S.No.	Item	Details
1	Name of the Project/s	Proposed project for Construction of Inter State Bus Terminal by M/S Indore Development Authority
2	S.No. in the Schedule	8(a) Building and Construction Project

S.No.	Item	Details
		<b>Category B:</b> ≥20,000 Sq.mtrs and <1,50,000sq.mtrs. built up area
3	Proposed capacity / area / length / tonnage to be handled /command area / lease area / number of wells to be drilled	Total area – 56,310 sq.m Bus Bays & parking area - 10,034 sq. m Pathway Area (shaded) -4803 sq.m. Other small buildings -996 sq.m. Surface parking areas- 12,872 sq.m. Metro Station – 362 sq. m. Dedicated Green Areas- 5700 sq.m. Open area- 18,198 sq. m. Open parkng-606 Basement Parking- 315 Builtp Area-23,437 sq.m.
4	New / Expansion / Modernization	New
5	Existing Capacity / Area etc.	Not Applicable
6	Category of Project i.e. 'A' or 'B'	B
7	Does it attract the general conditions? If yes, please specify	Not Applicable
8	Does it attract the Specific conditions? If yes, please specify.	Not Applicable
9	Location	Latitude- 22°46'05.36"N Longitude- 75°51'49.98"E
	Plot / Survey / Khasra No	139-169 'A'
	Village	Supercorridor

S.No.	Item	Details	
	Mandal	Indore	
	District	Indore	
	State	Madhya Pradesh State	
10	Nearest railway station / airport along with distance in km	Laxmibai Railway Station –2.65km IndoreAirport–7.52KM	
11	Nearest town, city, district headquarters along with distance in km	NearestCity Indore5.43KM District Head Quarter-4.93KM	
13	Name of the applicant	<b>Indore Development Authority</b>	
14	Registered Address	7 , Race Course Road, Indore	
15	Address for Correspondence		
	Name	<b>Mr.Raman Mahajan</b>	
	Designation (Owner/Partner/CEO)	Executive Engineer (EE)	
	Address	IndoreDevelopment Authority (IDA) 7 , Race Course Road, Indore	
S.No.	Areas	Yes /No	Aerial distances (within 15 km.) Proposed project location boundary.
1.	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related values.	No	Ralamandal Wild Life Sanctuary Krishnapura Chhatris Lal Bag Palace
2.	Areas which are important or sensitive for ecological reasons- Wetlands, water courses or other water bodies, coastal zone,	Yes	Bilwali Tank River Khan Khaman Water Tank Kankavati nala

S.No.	Item		Details
	biospheres. Mountains, forests		
3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration.	Yes	Ralamandal Sanctuary  Deoguradia PF Renuka PF RamBhawar RF
4.	Inland, coastal, marine or underground waters	No	Not Applicable
5.	State, National boundaries	No	No State Boundary within 15 km.
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Yes	NH3
7.	Defense installations	No	Not Applicable
8.	Densely populated or built-up area	Yes	Rau  Indore
9.	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities )	Yes	Hospitals, Schools, Places of worship and Community Facilities are present near the site.
10.	Areas containing important, high quality or scarce resources  (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	Notified zone by Central Ground water Board
11.	Areas susceptible to natural hazard which could cause the project to present environmental problems (Earthquakes, subsidence, landslides, erosion,	No	The Site Fall under the Zone II as per the Seismic Zone Map of India.

S.No.	Item	Details
	flooding or extreme or adverse climatic conditions)	

**Detailed Land Break-up**

S.No	Land Development	Area	Unit	Percentage Site area	Ground coverage
1	Bus Bays & Parking				
a	Arrival Bay	2,433	SQM	4.32%	
b	Departure Bay	4,895	SQM	8.62%	
c	Idle Parking Bay	2,706	SQM	4.81%	
2	Pathway Area (Shaded)	4,803	SQM	8.53%	8.53%
3	Terminal Building				
a	Ground Floor	7,964	SQM	14.14%	14.14%
b	First Floor	3,133	SQM		
c	Basement Floor	11,480	SQM		
4	Other Small Buildings				
a	Driver Facilities	248	SQM	0.44%	0.44%
b	Public Toilets (GC Exempted)	192	SQM	0.34%	
c	Security Guard Rooms	48	SQM	0.09%	0.09%
d	Freight Services, ATMs, Tourist kiosks etc.	508	SQM	0.90%	0.90%
5	Surface Parking Areas	12,872	SQM	22.86%	
6	Metro Station	362	SQM	0.64%	0.64%

7	Dedicated Green Areas	1,081	SQM	1.92%	
8	Open Area ( Roads , Ramps & Walkways)	18,198	SQM	32.32%	
	Total	56,310	SQM	100.00 %	24.74%

The case was presented by PP and their consultant wherein stated that earlier EC in the year 2013 was obtained for land development project under category: 8-b, now PP is applying for taking EC for Construction of Inter State Bus Terminal (ISBT). The Ralamanadal sanctuary is >14.70 KM from the site and airport is 2.9 Km. This project shall be catering 7-8 % solar power in the street light power at the public places as alternate energy. This ISBT is planned for total 1200 buses which will be transition mode. At proposed site 5-6 trees exist and PP submitted that no tree felling is proposed. During presentation it was observed by committee that there is some difference in the area statement in form-1 submitted by PP and as shown in presentation for which PP informed that the area statement presented by them is correct as there are some changes in ii for which Committee asked PP to submit revised form-I showing actual area statement. After presentation PP was asked to submit following information for further consideration of the project:

1. Copy of revised form-I showing actual area statement.
2. Undertaking that 05-06 trees existing on site will be protected.
3. Protection plan for Khan River which is passing on the SE side of the project site.
4. Top soil management details as top soil shall not be used for filling up of low lying areas.
5. Revised plantation species proposed in green belt development include Cycas Palm and Pride of India tree species in place of Coconut tree as suggested during presentation.
6. Incorporate awareness/ training activities including of distribution of masks, sanitizers, mass sanitization programme w.r.t. COVID-19 pandemic.

PP vide letter dated 01.6.2020 has submitted the revised Form -1, revised plantation species along with other details which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for **Construction of Inter State Bus Terminal (Total Area = 56310.0 sqm, Total Built Up Area = 23437.0 sqm) at 139 - 169, 'A' Supercorridor, Village - Kumedi, Tehsil - Indore, Dist. Indore (MP).** Cat. 8(a) subject to the following special conditions:

### **Statutory Compliance**

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightning etc.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

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

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 02 Diesel power generating sets 400 kVA & 200 kVA. proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from 02 nos. DG sets 400 kVA & 200 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

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

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 200 KLD out of which 82 KLD is fresh water requirement and 180 KLD will be the total recycled water generated, out of which 62.3 KLD recycled water will be used for flushing and 39.3 KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent.

The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.

- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 25 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 393.7 m<sup>3</sup>/hr . Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.

- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the MBBR based STP (Capacity - 200 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 200 KLD capacity (based on MBBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

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

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

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

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.

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

## VI. Waste Management

- i. Total waste 2200 Kg/day, this consist all types of wastes (as Organic waste 1320 Kg/day and non- organic waste 660 Kg/day), Inert waste 220 Kg/day, E- waste 1800 Kg/Annum , and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i. Total 1000 trees shall be planted in the area of 5700 m<sup>2</sup> (10.0 % of total plot area) which is developed as greenbelt development.
- ii. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

## **VIII Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.

- a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
- b. Traffic calming measures.
- c. Proper design of entry and exit points
- d. Parking norms as per local regulation

- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 921 ECS (in which 315 ECS for Basement parking, 00 for ECS for Silt parking and 606 for open parking).
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

#### **IX. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

#### **X. Corporation Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. For Environment Management Plan PP has proposed Rs. 358.0 Lakhs as capital and Rs. 142 Lakhs are recurring cost for this project.
- vi. For this project PP has proposed Rs 117.0 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

#### **XI. Miscellaneous**

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- v. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

**3. Case No. 7096/2020 M/s. Hotel Uma Residency, Chankyapuri Colony, Dist. Satna, MP – 485001 Prior Environment Clearance for Sand Quarry in an area of 24.970 ha. (275800 cum per annum) (Khasra No. 1,1, 288, 266), Village - Baspur/Shivsagar/Gonapur, Tehsil - Ghodadongari and Shahpur, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1, 1, 288, 266), Village - Baspur/Shivsagar/Gonapur, Tehsil - Ghodadongari and Shahpur, Dist. Betul (MP) 24.970 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. 1260 dated 19.08.2016 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease about 40% is submerged into the water from east side PP shall be submit revised surface plan showing submerged area . Being it's a case sand quarry with total area of 24.970 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Revised surface plan showing submerged with available area for mining and capacity in the EIA.
- Sand evacuation route avoiding human settlement.

**4. Case No 7097/2020 M/s Hotel Uma Residency, Chankyapuri Colony, Dist. Satna, MP - 485001, Prior Environment Clearance for Sand Quarry in an area of 11.0 ha. (196800 cum per annum) (Khasra No. 1 & 112), Village - Shahpur/Patauwapura, Tehsil - Shahpur, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1 & 112), Village - Shahpur/Patauwapura, Tehsil - Shahpur, Dist. Betul (MP) 11.0 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. 708 dated 13.05.2016 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the river is crossing the lease and part of lease is submerged into the water from east side PP shall be submit revised surface plan showing submerged area . Being it's a case sand quarry with total area of 24.970 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Revised surface plan showing submerged with available area for mining and capacity in the EIA.
- Sand evacuation route avoiding human settlement.

**5. Case No 7094/2020 M/s Hotel Uma Residency, Chankyapuri Colony, Dist. Satna, MP – 485001 Prior Environment Clearance for Sand Quarry in an area of 2.90 ha. (30,460 cum per annum) (Khasra No. 91), Village - Nandu, Tehsil - Ghodadongari, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 91), Village - Nandu, Tehsil - Ghodadongari, Dist. Betul (MP) 2.90 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. 1252 dated 19.08.2016 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged into the water from east side PP shall be submit revised surface plan showing submerged area .

After presentation the committee asked to submit following details:

- Revised surface plan showing submerged area as non- mining area.
- Sand evacuation route avoiding.
- Revised EMP as suggested by committee.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee wherein it was observed that as per the revised plan 43,500 cum/year sand can be evacuated leaving submerged area and thus no deduction is recommended. The reply of other queries were found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 30,460 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.10.990 Lakh as capital and Rs 1.40 Lakh/year and under CER Rs. 0.36 Lakh.

**6. Case No 7095/2020 M/s Hotel Uma Residency, Chankyapuri Colony, Dist. Satna, MP – 485001 Prior Environment Clearance for Sand Quarry in an area of 3.40 ha. (37062 cum per annum) (Khasra No. 18), Village - Khapariya, Tehsil - Chicholi, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 18), Village - Khapariya, Tehsil - Chicholi, Dist. Betul (MP) 3.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Mining Office letter no. 607 dated 18.05.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP trees are along the north- east periphery of the lease. After presentation the committee asked to submit following details:

- Revised EMP as suggested by committee.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory. The EMP and other

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

1. Production of Sand as per mine plan with quantity not exceeding 37,062 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 11.90 Lakh as capital and Rs 1.40 Lakh/year and under CER Rs. 0.36 Lakh.

**7. Case No 7098/2020 M/s D.S. and Company, Authorised Person, Shri Jitendra Singh Bhadoriya, Ward No. 14, Old Khirhani Naka, Vinova Bhawe Ward, Dist. Katni, MP Prior Environment Clearance for Sand Quarry in an area of 5.0 ha. (3000 cum per annum) (Khasra No. 132), Village - Ketukhedi, Tehsil - Jaora, Dist. Ratlam (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 132), Village - Ketukhedi, Tehsil - Jaora, Dist. Ratlam (MP) 5.0 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. 1566 dated 13.03.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining, during presentation as per Google image January 2019, based on coordinates provided by PP, it was observed that most part of lease area is submerged in the water for which PP submitted that the water filled area recedes down (dried up) in the month of April, May and June and they will mine the lease only in these three months that too when there is not water. PP further submitted that they will not excavate sand from the area submerged in water as mid stream mining is not permitted. After presentation the committee asked to submit following details:

1. Revised surface map showing non – mining area.
2. Current site photographs of the lease area showing sand availability.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory , as per revised surface plan now, available area for mining is 12500 sq.m. so as per average depth of the area 0.5 meters, the total available volume for mining of sand is 6250.0 m<sup>3</sup>. Hence, the desired quantity of sand is easily obtainable. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior

EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 3,000 cum/year.
2. Sand mining is permitted only in the month of April, May and June when water dried up.
3. A budgetary provision for Environmental management Plan of Rs. 8.11 Lakh as capital and Rs 4.83 Lakh/year and under CER Rs. 0.40 Lakh/year has proposed.

**8. Case No 7099/2020 M/s D.S. and Company, Authorised Person, Shri Jitendra Singh Bhadoriya, Ward No. 14, Old Khirhani Naka, Vinova Bhawe Ward, Dist. Katni, MP Prior Environment Clearance for Sand Quarry in an area of 3.0 ha. (4000 cum per annum) (Khasra No. 375), Village - Bahadurpur Jagir, Tehsil - Jaora, Dist. Ratlam (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 375), Village - Bahadurpur Jagir, Tehsil - Jaora, Dist. Ratlam (MP) 3.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. nil dated 13.03.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining, during presentation as per Google image based on coordinates provided by PP, it was observed that entire lease area is submerged in the water due to bunding/ stop dam in the north-east side, which is only 20 meters away. PP submitted that the sanctioned quantity is only 4000 cum/year and same can be evacuated from the river banks when water recedes down after December. Committee after deliberation decided that PP shall left 250 meters area as non-mining area from stop dam in order to protect stop dam from sand mining. After presentation the committee asked to submit following details:

1. Revised surface map showing non – mining area.
2. Current site photographs of the lease area showing sand availability.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory , as per revised surface plan now, available area for mining is 13400 sq.m. so as per average depth of the area 0.5 meters, the total available volume for mining of sand is 6700 m<sup>3</sup>. Hence, the desired quantity of sand is easily obtainable. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior

EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 4,000 cum/year.
2. 250 meters left as non- mining area from stop dame to inside mine.
3. A budgetary provision for Environmental management Plan of Rs. 8.57 Lakh as capital and Rs 4.45 Lakh/year and under CER Rs. 0.45 Lakh/year has proposed.

**9. Case No 7100/2020 M/s Sainik Industries Pvt. Ltd, Shri Litesh Jha, Authorized Person, 201-202, Vikash Plaza Building No. 2, Local Shopping Centre, Kalkaji, New Delhi – 110019 Prior Environment Clearance for Sand Quarry in an area of 4.98 ha. (51219 cum per annum) (Khasra No. 2142), Village - Padri, Tehsil - Gopadbanas, Dist. Sidhi (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2142), Village - Padri, Tehsil - Gopadbanas, Dist. Sidhi (MP) 4.98 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. 459 dated 20.05.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining, during presentation as per Google image based on coordinates provided by PP, it was observed that small part of lease area is submerged in the water in the southern side PP will left this area as non- mining area. After presentation the committee asked to submit following details:

1. Revised surface map showing non – mining area based on available production.
2. NOC from Gram Panchayat.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory , as per revised surface plan now, available area for mining is 46600 sq.m., so as per average depth of the area 1.5 meters, the total available volume for mining of sand is 6,99,00 m<sup>3</sup>. Hence, the desired quantity of sand is easily obtainable. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 51,219 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 8.65 Lakh as capital and Rs 5.0 Lakh/year and under CER Rs. 2.40 Lakh/year has proposed.

**10. Case No 7101/2020 M/s Sainik Industries Pvt. Ltd, Shri Litesh Jha, Authorized Person, 201-202, Vikash Plaza Building No. 2, Local Shopping Centre, Kalkaji, New Delhi – 110019 Prior Environment Clearance for Sand Quarry in an area of 2.0 ha. (12000 cum per annum) (Khasra No. 1351), Village - Dalapipar, Tehsil - Majholi, Dist. Sidhi (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1351), Village - Dalapipar, Tehsil - Majholi, Dist. Sidhi (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. 606 dated 20.05.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining, during presentation as per Google image based on coordinates provided by PP; it was observed that about 50% of lease area is occupied by the River water channel on the eastern side of the lease. After presentation the committee asked to submit following details:

1. Revised surface map showing non – mining area based on available production.
2. NOC from Gram Panchayat.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory , as per revised surface plan now, available area for mining is 13700 sq.m. so as per average depth of the area 1.0 meters, the total available volume for mining of sand is 13700 m<sup>3</sup>. Hence, the desired quantity of sand is easily obtainable. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 12,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 8.80 Lakh as capital and Rs 2.60 Lakh/year and under CER Rs. 0.70 Lakh/year has proposed.

**11. Case No 7102/2020 M/s Ambey Suppliers Pvt. Ltd, Authorised Person, Shri Jitendra Singh Bhadoriya, B-3, 1st Floor, Saket, New Delhi - 110017, Prior Environment Clearance for Sand Quarry in an area of 5.0 ha. (12573 cum per annum) (Khasra No. 705), Village - Dondwada, Tehsil - Niwali, Dist. Barwani (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 705), Village - Dondwada, Tehsil - Niwali, Dist. Barwani (MP) 5.0 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. 606 dated 20.5.2020 has reported that there are no- more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining, during presentation as per Google image based on coordinates provided by PP; it was observed that small part of lease area is occupied by the River water channel. After presentation the committee asked to submit following details:

1. Revised surface map showing non – mining area based on available production.
2. NOC from Gram Panchayat.
3. Photographs of lease showing sand availability.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory , as per revised surface plan now, available area for mining is 14,000 sq.m. so as per average depth of the area 1.0 meters, the total available volume for mining of sand is 14,000 m<sup>3</sup>. Hence, the desired quantity of sand is easily obtainable. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 12,573 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 8.0 Lakh as capital and Rs 5.0 Lakh/year and under CER Rs. 1.10 Lakh/year has proposed.

**12. Case No 7103/2020 M/s Ambey Suppliers Pvt. Ltd, Authorised Person, Shri Jitendra Singh Bhadoriya, B-3, 1st Floor, Saket, New Delhi – 110017 Prior Environment Clearance for Sand Quarry in an area of 5.0 ha. (3000 cum per annum) (Khasra No. 358), Village - Mandwada, Tehsil - Anjad, Dist. Barwani (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 358), Village - Mandwada, Tehsil - Anjad, Dist. Barwani (MP) 5.0 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 no658 dated 20.5.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining, during presentation as per Google image based on coordinates provided by PP; it was observed that River is flowing in the lease area and same shall be left as non mining area. After presentation the committee asked to submit following details:

1. Revised surface map showing non– mining area based on available production.
2. Photographs of lease showing sand availability.
3. NOC from Gram Panchayat.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory , as per revised surface plan now, available area for mining is 6,000 sq.m. so as per average depth of the area 1.0 meters, the total available volume for mining of sand is 6,000 m<sup>3</sup>. Hence, the desired quantity of sand is easily obtainable. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 3,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 7.30 Lakh as capital and Rs 4.80 Lakh/year and under CER Rs. 0.370 Lakh/year has proposed.

**13. Case No 7104/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, Dist. Balaghat, MP – 481331 Prior Environment Clearance for Sand Quarry in an area of 3.0 ha. (48450 cum per annum) (Khasra No. 547), Village - Pangaon, Tehsil - Kirnapur, Dist. Balaghat (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 547), Village - Pangaon, Tehsil - Kirnapur, Dist. Balaghat (MP) 3.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 2287 dated 20.5.2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining, during presentation as per Google image based on coordinates provided by PP; it was observed that small part of the lease is inundated with water in the western side. No mining shall be carried out in this area. After presentation the committee asked to submit following details:

1. Evacuation route on map.
2. Commitment of PP for plantation of species such as Munga, Arjun, Jamun and Pipal.
3. Revised EMP with addition budget for evacuation road development, proposal of 10 nos. life jacket under PPE's in case of flood emergency.
4. Incorporate Grassland development, traffic awareness/ training activities including of distribution of masks, sanitizers, in the project affected villages' w.r.t. COVID-19 pandemic.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 48,450 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 50.83 Lakh as capital and Rs 6.33 Lakh/year and under CSR Rs. 2.40 Lakh/years has proposed.

**14. Case No 7109/2020 Shri Rasmeet Malhotra S/o Shri Ajeet Singh Malhotra, Near Alka Talkies, Nehru Ward, Pipariya, Dist. Hoshangabad, MP Prior Environment Clearance for Sand Quarry in an area of 3.90 ha. (35000 cum per annum) (Khasra No. 01), Village - Katarra, Tehsil - Ajaygarh, Dist. Panna (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village - Katarra, Tehsil - Ajaygarh, Dist. Panna (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 no612 dated 26.05.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation wherein it was observed by committee that PP vide letter dated 01/06/2020 has submitted a request for withdrawal of their application. Committee after deliberations decided that on the request of PP case may be considered for withdrawal and same may be sent to SEIAA for onward necessary action.

**15. Case No 7110/2020 Shri Rasmeet Malhotra S/o Shri Ajeet Singh Malhotra, Near Alka Talkies, Nehru Ward, Pipariya, Dist. Hoshangabad, MP Prior Environment Clearance for Sand Quarry in an area of 4.90 ha. (100000 cum per annum) (Khasra No. 01), Village - Jigani, Tehsil - Ajaygarh, Dist. Panna (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village - Jigani, Tehsil - Ajaygarh, Dist. Panna (MP) 4.90 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 614 dated 26.5.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation wherein it was observed by committee that PP vide letter dated 01/06/2020 has submitted a request for withdrawal of their application. Committee after deliberations decided that on the request of PP case may be considered for withdrawal and same may be sent to SEIAA for onward necessary action.

**16. Case No 7111/2020 Shri Shishir Khandar, Samashish Bhavan, 18, Malik Complex, Tenament Hotel, Airport Center Plient, Somalwada, Wardha Road, Dist. Nagpur, Mah. 440025 Prior Environment Clearance for Sand Quarry in an area of 1.320 ha. (19800 cum per annum) (Khasra No. 288), Village - Badosa, Tehsil - Bichua, Dist. Chindwara (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 288), Village - Badosa, Tehsil - Bichua, Dist. Chindwara (MP) 1.320 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. 2895 dated 15.5.20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining. During presentation as per Google image based on coordinates provided by PP it was observed that area is minable. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 19,800 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 3.99 Lakh as capital and Rs 2.35 Lakh/year and under CSR Rs. 0.40 Lakh/years has proposed.

**17. Case No 7066/2020 M/s Shree Jee Infratech, Partner, Shri Pratik Khandelwal, R/o - 6, Sambhav Apartment, Govindpuri, Thatipur, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 2.55 ha. (1,50,000 cum per annum) (Khasra No. 644, 645), Village - Pali Dirman, Tehsil - Gohad, Dist. Bhind (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 644, 645), Village - Pali Dirman, Tehsil - Gohad, Dist. Bhind (MP) 2.55 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. 1856 dated 09.08.2020 has reported that there are 01 more mine of area of 1.45 ha., is operating or proposed within 500 meters around the said mine. During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Human settlement	>270	SW	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side. The mine orientation shall be from north to south for protection of settlement from fly rocks.
Isolated houses	>130	SW	Controlled blasting with arrangements of sand bags and three rows of Plantation in this side.

After presentation the committee asked to submit following details:

- Commitment from PP that blasting shall be carried out through certified blaster.
- Revised surface plan showing mine orientation from North to south.

PP has submitted the response of above quarries same date vide letter dated 01.06.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 1,50,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 22.71 Lakh as capital and Rs. 6.54 Lakh/year and under CER Rs. 4.50 Lakh/ year has proposed.

**18. Case No 7112/2020 Shri Mevendra Chouksey S/o Shri Govind Prasad Chouksey, Gram Panchayat – Dhanora, Tehsil – Ghansor, Dist. Seoni, MP – 480999 Prior Environment Clearance for Stone Quarry in an area of 2.40 ha. (22,839 cum per annum) (Khasra No. 580), Village - Sajpani, Tehsil - Dhanaura, Dist. Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 580), Village - Sajpani, Tehsil - Dhanaura, Dist. Seoni (MP) 2.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 124 dated 23.5.2020 has reported that there are no- more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, it was observed that this is old existing mine and excavated in the south side and this is a case of expansion from 4,560 cum/y to 22,839 cum./year and DEIAA had issued EC. After presentation the committee asked to submit following details:

- Compliance of earlier EC condition issued by DEIAA.
- Land ownership documents.

**19. Case No. - 5977/2019 M/s Apco Infratech Pvt. Ltd, B-9, Vibhuti Khand, Gomtinagar, Lucknow, UP – 471510 Prior Environment Clearance for Granite Stone Mine in an area of 2.8850 Ha. (100000 (2018-19), 200000 (2019-20), 200000 (Upto 7-10-2010) (Total Production – 5,00,000 cum per annum) (Khasra No. 2289), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Granite Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2289), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.8850 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 Officer letter No. NIL dated: NIL has reported that there are 04

more mines operating or proposed within 500 meters around the said mine with total area of 12.77 ha., including this mine.

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

- That the lease area is falling on the hillock which is having height of approximately 31 meters, length: 334 meters and width: 220 meters and the lease area is situated on the centre of this hillock.
- Also to carry out mining of stone is in such a peculiar situation where gradient is to high involve lots of risks.
- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight careless may threat to life of labors.
- Green area is also observed on this lease through Google image for which PP submitted that these are shrubs.

It was further observed by the committee that the mining is proposed from the hilltop having height of approx. 31 meters. It was submitted by consultant during presentation that few more lease are proposed on this hillock and another hillock existing nearby for mining. A house is also seen in existence through Google image on the western side of the lease. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and other mines which are located on this hillock and another hillock in existence nearby and have applied for EC to ascertain the sensitive features around the proposed mining area and TOR will be recommended after the site visit report.

Earlier this case was scheduled for presentation and discussion in 390<sup>th</sup> SEAC meeting dated 10/08/2019 wherein ToR was recommended. PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 109 dated 12/05/2020, which was placed before the committee. The EIA was presented by the PP and their consultant starting presentation with the salient features of the project area as:

Name of the project & its location:“Granite Stone Mining”

Area: 2.8850 Ha, Arazi No.2289

Village:PrakashBamhori, Tehsil:Gourihar,

District: Chhatarpur (M.P.).

**Lease Status:**

The date and order of LOI vide letter No. 15978-16005/Khanij/U.P./N.Kr.1/2010, Bhopal dated 29/09/2010 for a period of 10 years. Till date no mining is done in the lease area. The lease was transferred vide letter no. 2741/Khanij/2018, Chhatarpur dated 18/06/2018 from Smt. Suneeta Singh w/o- Shri Dinesh Singh, R/o – Kawarai, District – Mahoba (M.P.) and now transferred to M/s Apco Infratech Pvt. Ltd., R/o- B-9 VibhutiKhand, Gomti Nagar, Lucknow (U.P. Land Use: Rough and rugged representing the Hilly Area. Connectivity: PrakashBamhori Village Link Road, 70m, North . Cost of the project: Total Project Cost = Rs. 107 Lakhs. Benefits of the project: The Granite Stone is an essential constituent for infrastructural development projects like building and township. It has high demand in region due to increase in industrial and other infrastructural activities. The developments of mining in the area provide direct and indirect employment opportunities. Improvement of socio economic conditions of nearby habitants. The important benefits accruing from the project can thus be stated as - boost to local and regional economy, direct contribution to the state exchequer. Type of Mine: (Open cast/Underground/ mixed): Open Cast Method of Mining: Open-Cast, Semi-Mechanized Method of Mining.

Capacity of the mine applied for: Yearly proposed production in m<sup>3</sup>

S. No.	Year	Production (m <sup>3</sup> )
1.	2018-19	1,00,000
2.	2019-20	2,00,000
3.	2020-21	2,00,000
	Total	5,00,000

Water Requirement: Total Water Requirement 15 KLD

After presentation, PP was asked to provide following information:

1. Revised plantation species as suggested by committee.
2. Revised EMP, with addition to grazing land development and top soil management as suggested by the committee.
3. Revised CER, incorporate traffic awareness/ training activities and distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

PP vide their letter dated 01.06.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Granite Stone Mine in an area of 2.8850 Ha. (100000 (2018-19), 200000 (2019-20), 200000 (Upto 7-10-2010) (Total Production – 5,00,000 cum per annum) (Khasra No. 2289), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP), subject to the following special conditions:

**(A) PRE-MINING PHASE**

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

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.

19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 750M x 1M x 12 M. The settling tank will be two in number of size 10M x 2M x 2M.
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
26. The existing and proposed land use plan of the mine is as follows:

<b>S.No.</b>	<b>Details</b>	<b>Area (Ha.)</b>
<b>1</b>	Land area proposed under mining	2.361
<b>2</b>	Land area covered under 7.5 m statutory boundary	0.5240
<b>3</b>	Land area under Storage Office and Hutments	0.010
<b>4</b>	Land area under plantation on 4.5 m boundary	0.3144

27. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.

30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

32. In the proposed EMP, capital cost is Rs. 15.69 Lakh has is proposed and separate budget for plantation of Rs. 3.69 lakh .
33. Under CSR activity, Rs. 4.75 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
34. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
35. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
36. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
37. PP will comply with all the commitments made vide letter dated 01.06.2020.
27. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**20. Case No. - 5969/2019 M/s Sangam Granite, Authorized Partner Shri Sushil Pandey, R/o 23, Ramdev Bhavan, Behind Collector Bangla, Dist. Chhatarpur, MP - 471516 Prior Environment Clearance for Granite Stone Mine in an area of 2.680 Ha. 1,94,150 cum per annum) (Khasra No. 485 P), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Granite Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 485 P), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.680 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 Officer letter No. 294 dated: 14/01/19 has reported that there are 07more mines operating or proposed within 500 meters around the said mine with total area of 20.371 ha., including this mine.

The case was presented by the PP and their consultant. During presentation it was observed by the committee that PP has not annexed the approved Maps of mining plan. Collector Officer vide letter No. 294 dated: 14/01/19 has reported that there are 07more mines operating or proposed within 500 meters around the said mine with total area of 20.371 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance.

It was further observed by the committee that the mining is proposed from the hilltop and the elevation difference is of 12 meters. On the NW side and SW of the lease habitations are in existence. It was submitted by consultant during presentation that few more lease are proposed on this hillock and another hillock existing nearby for mining and due for presentation today & tomorrow. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and other mines which are located on this hillock and another hillock in existence nearby and have applied for EC to ascertain the sensitive features around the proposed mining area and TOR will be recommended after the site visit report.

Earlier this case was scheduled for presentation and discussion in 390<sup>th</sup> SEAC meeting dated 10/08/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 123 dated 14/05/2020, which was placed before the committee.

The EIA was presented by the PP and their consultant starting presentation with the salient features of the project area as:

Name of the project & its location: Granite Stone Mine, Area: - 2.680 Ha, Khasra No. 485(P), Village- Lausi, Tehsil-Gourihar, District- Chhatarpur, M.P.

**Chronology:-** The lease is transferred wide letter no. 4016/Khanij/2018, Chhatarpur dated 20.08.2018 is now transferred to M/s Sangam Granite Authorized partner ShriSushilPandey,

R/o – 23, RamdevBhavan, Behind collector Bangla, District – Chhatarpur (M.P.) from SmtSushma Patel., W/o- ShriKamlesh Patel, R/o- Infront of Collector Bangla PuranaPanna Naka, District- Chhatarpur ( M.P.) covering Khasra no- 485 (P), village Lausi, Gourihar, Chhatarpur, of Govt. Land.

**Land Use:** The land is owned by State Govt. & consent from State Govt. has applied for the exploitation of Mineral (Granite). The applied area is barren, waste & free from forest land.

**Benefits of the project:**

The Granite Stone is an essential constituent for infrastructural development projects like building and township. It has high demand in region due to increase in industrial and other infrastructural activities

- Generating employment.
- Improvement of socio economic conditions of nearby habitants.

After presentation, PP was asked to provide response on following:

- Revised plantation species as suggested by committee.
- Revised EMP, with addition to grazing land development and top soil management as suggested by the committee.
- Revised CER, incorporate traffic awareness/ training activities and distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

PP vide their letter dated 01.06.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Granite Stone Mine in an area of 2.680 Ha. 1,94,150 cum per annum) (Khasra No. 485 P), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP), subject to the following special conditions:

**(A)PRE-MINING PHASE**

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

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

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 2700 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.

23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 750M x 1M x 12 M. The settling tank will be two in number of size 10M x 2M x 2M .
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
26. The existing and proposed land use plan of the mine is as follows:

S.No.	Details	Area (Ha.)
1	Land area proposed under mining	2.0672
2	Land area covered under 7.5 m statutory boundary	0.6128
3	Land area under Storage Office and Hutments	0.010
4	Land area under plantation on 4.5 m boundary	0.3677

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

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

43. In the proposed EMP, capital cost is Rs. 36.81 Lakh is proposed and Rs.5.21 Lakh /year as recurring expenses.
44. Under CSR activity, Rs. 5.50 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.

45. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
46. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
47. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
48. PP will comply with all the commitments made vide letter dated 01.06.2020.
49. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**21. Case No. – 6292/2019 M/s Ramraja Granite, R/o Indira Nagar, Kabrai, Dist. Mahoba, UP – 210424 Prior Environment Clearance for Granite Stone Mine in an area of 4.00 ha. (2018-19 : 1,50,290, 2019-20 : 1,54,165, 2020-21: 1,48,437, 2021-22 : 1,64,228, 2022-23 : 1,41,793 cum per annum Total production -7,58,913 m<sup>3</sup>) (Khasra No. 1391), Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP).**

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

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

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

- That the lease area is falling on the hillock which is having height of approximately surface level (220 mRL -202 mRL = 18 m) and depth below surface level (202 mRL- 179 mRL = 23 m) is proposed.

- Also to carry out mining of stone is in such a hillock where gradient is slightly high involves safety of labours and machines.

It was further observed by the committee that on the SE side this lease habitations (at a distance of approx. 260 & 630 meters) are in existence and entire hillock (approx. 70% of area) is allotted as mining lease and there are several such cases in Chhatrapur area where it is observed that leases on hillock are being sanctioned with very high volume of stone extraction. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine to ascertain the sensitive features around the proposed mining area and TOR will be recommended after the site visit report.

Earlier this case was scheduled for presentation and discussion in 390<sup>th</sup> SEAC meeting dated 10/08/2019 wherein ToR was recommended. PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 121 dated 14/05/2020, which was placed before the committee. The EIA was presented by the PP and their consultant starting presentation with the salient features of the project area as:

**Name of the project & its location:** Crusher Stone (Granite) Mine, Area: - 4.0Ha, Khasra No. 1391 (P), Village-Lausi, Tehsil-Gaurihar, District- Chhatrapur, (M.P.)

**Lease Status:** Lease area is 4.0 Ha and the lease period is effective from date of agreement for 10 years. It is a fresh mine lease.

**Land Use:** The land is owned by State Govt. & consent from State Govt. has applied for the exploitation of Mineral i.e. crusher stone (Granite). The applied area is barren, waste & free from forest land.

**Benefits of the project:** The Granite Stone is an essential constituent for infrastructural development projects like building and township. It has high demand in region due to increase in industrial and other infrastructural activities

After presentation, PP was asked to provide response on following:

- Revised EMP, with addition to grazing land development and top soil management as suggested by the committee.
- Revised CER, incorporate traffic awareness/ training activities and distribution of masks, sanitizers, mass sanitization programme in the project affected villages' w.r.t. COVID-19 pandemic.

PP vide their letter dated 01.06.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Granite Stone Mine in an area of 4.00 ha. , Production : 1,64,228 cum per annum, Total production: 7,58,913 m<sup>3</sup> (Khasra No. 1391), Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP), subject to the following special conditions:

**(A) PRE-MINING PHASE**

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

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.

19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 4000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 750M x 1M x 12 M. The settling tank will be two in number of size 10M x 2M x 2M .
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
26. The existing and proposed land use plan of the mine is as follows:

<b>S.No.</b>	<b>Details</b>	<b>Area (Ha.)</b>
<b>1</b>	Land area proposed under mining	3.2
<b>2</b>	Land area covered under 7.5 m statutory boundary	0.800
<b>3</b>	Land area under Storage Office and Hutments	0.013
<b>4</b>	Land area under plantation on 4.5 m boundary	0.4

27. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

32. In the proposed EMP, capital cost is Rs. 37.54 Lakh is proposed and Rs.4.71 Lakh /year as recurring expenses.

33. Under CSR activity, Rs. 8.77 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.

34. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

35. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

36. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

37. PP will comply with all the commitments made vide letter dated 01.06.2020.

27. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**(Dr. Anil Sharma)**  
Member

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

**(Dr. Sonal Mehta)**  
Member

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

**(Dr. Jai Prakash Shukla)**  
Member

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

**(Mohd. Kasam Khan)**  
Chairman

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

**Annexure- 'A'**

**Standard conditions applicable to Stone/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 CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
12. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.

**Annexure- 'B'**

**Standard conditions applicable for the Sand Mine Quarries\***

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water

- intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
  9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
  10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
  11. No Mining shall be carried out during Monsoon season.
  12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
  13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
  14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
  15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
  16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
  17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
  18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
  19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
  20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
  22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
  23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
  24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

**Annexure- 'C'**

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

**Annexure- 'D'**

**General conditions applicable for the granting of TOR**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the

- EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
  17. All the necessary NOC's duly verified by the competent authority should be annexed.
  18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
  19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
  20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
  21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
  22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
  23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
  24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
  25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples.
  26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
  27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.

**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.**

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