

The 451<sup>st</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 14<sup>th</sup> August, 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. Sh. 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. – 6194/2019 Shri Ajay Kumar Pathak, Chayanakyapuri, Semaria Chowk, PO & Dist. Satna, MP – 485001 Prior Environment Clearance for Limestone Mine in an area of 16.264 ha. (Limestone – 7,68,673 tonne per annum, Reject Stone – 2,50,000 tonne per annum) (Khasra No. 234, 235, 237), Village - Hinauta, Tehsil – Rampur Baghelan, Dist. Satna (MP).**

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 234, 235, 237), Village - Hinauta, Tehsil - Baghelan, Dist. Satna (MP) 16.264 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 374<sup>th</sup> SEAC meeting dated 25/05/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1626 dated 09/07/2020, which was placed before the committee.

The case was scheduled in 448<sup>th</sup> meeting dated 23/07/2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP and their consultant with the chronology of the project:

- The 1st mine lease was sanctioned by the state Government of M.P. for a period of 20 years
- i.e. 05.05.1972 to 04.05.1992.
- The lease area then renewed Initially for 10 years period w.e.f. 05.05.1992 to 04.25.2002 and
- then extended for further 10 years up to 04.05.2012.
- Now the Mining lease has been executed for 50 years period in accordance with the MM
- (D&R) Amendment Act 2015. The lease deed is executed up to 04.05.2022.
- The Mining Plan has been approved by IBM vide letter No.-
- MP/Satna/Limestone/MPLN/MOD-41/2018-19 Jabalpur dated 30.04.2019.
- The project was accorded with Environmental clearance vide letter no 2630/SEIAA/16
- dated 19.07.2016 for the production capacity of 1,10,000 TPA
- Compliance report has been certified regional office of MOEF & CC Bhopal dated 30.11.2019.
- Vide letter no. 414/PS-MS/MPPCB/SEAC /374/2019 on 17.06.2019.
- The public hearing was conducted on 10/02/2020.

### **Management Due To Drilling and Blasting**

- 7,68,673TPA of Limestone & 2,50,000 TPA of Reject Stone.
- Blasting will be done by qualified Blaster.
- Wet drilling will be carried out or dust collectors will be provided.
- Blasting will be carried out with optimum charge for heaving effect only in large boulders.
- Blasting will be done in noon when temperature inversion is minimum.
- Proper stemming of holes will be carried out.
- Spacing of holes will be more than burden.
- Low density explosives will be used.
- Rock breaker will also be used instead of drilling and blasting.
- No mining will be done within 50m of any habitation or public work.

PP further stated that the railway line which is 110 meters away in the north east side. In the same direction some pucca construction is seen for which PP submitted that these structures belonging to them and shall be used as site office. Considering above sensitivities, PP submitted that they will leave additional 50 meters area in the lease as non mining area and thus non mining area from railway line shall be maintained for 160 meters. PP has also conducted Ground Vibration Study through CISR-Central Institute of Mining and Fuel

Research (CIMFR) Dhanbad and propose that they will follow the recommendation made by CIMFR. According to the study, PP will maintain height of the bench 06 meters and accordingly drilling up to 6.3 meters and spacing will be kept 4 meters with burden will be 3 meters. Considering above sensitivity and recommendations of blast vibration study by CIMFER total explosives shall not be used > 600 kg and maximum charge per hole shall not be > 35 kgs. PP also submitted MoEF&CC compliance report issued vide letter no. 30.11.2019. During presentation, PP submitted that they have proposed an alternate route for transporting limestone from northern side avoiding habitation on southern side. After presentation, PP was asked to submit following information:

- Quantity of explosive in one round of blasting.
- Commitment regarding charge per hole.
- Commitment that no crusher to be installed within lease.
- Revised CER as per suggested by the committee.

PP vide their letter dated 14/08/2020 submitted that total explosive shall be used not more than 600 kg in one round of blasting and charge per hole will not more than 35 kg. Erection of crusher is not proposed within lease. The query replies 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 Limestone Mine in an area of 16.264 ha. (Limestone – 7,68,673 tonne per annum, Reject Stone – 2,50,000 tonne per annum) (Khasra No. 234, 235, 237), Village - Hinauta, Tehsil – Rampur Baghelan, Dist. Satna (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. PP will follow the recommendation made by CISR-Central Institute of Mining and Fuel Research (CIMFR) Dhanbad.
12. Total explosive shall be used not more than 600 kg in one round of blasting and charge per hole will not more than 35 kg.
13. No overcharging during blasting to avoid vibration.
14. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
15. Working height of the loading machines shall be compatible with bench configuration.
16. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
17. No explosive will be stored at the mine site.
18. No intermediate stacking is permitted at the mine site.
19. No dump shall be stacked outside the lease area.
20. Overhead sprinklers shall be provided in mine.
21. 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.
22. 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 16,300 trees (5.7945 ha.(within lease) + approach roads ) shall be planted on barrier zone, backfilled area and along the transportation route.
  1. Transportation of material shall be done in covered vehicles.
  2. Transportation of minerals shall not be carried out through forest area.
  3. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
  4. 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.
  5. Garland bund of width 7 m and drain of section 2 m X 1.5m in western boundary.
  6. One settling tanks will be prepared at corner of drain of 350 cum capacity.

7. 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.
8. No water will be allowed to flow from the core zone directly into the surface water body
9. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
10. The existing and proposed land use plan of the mine is as follows:

Sl. No.	Particular	Existing	Proposal period/ Conceptual period
1	Total area excavated (broken)	4.22	(10.47)
2	Area fully mined out (out of 1)	0.225	(10.47)
3	Area fully reclaimed/ Backfilled (out of 2)	Nil	(3.25)
4	Area rehabilitated out of 3 by afforestation (Out of 3)	Nil	3.25
5	Area reclaimed by water harvesting	Nil	7.22
6	Total area under dumps/Mineral Stack	0.25	Nil
7	Area under active dumps( Out of 6)	Nil	Nil
8	Area under Road	0.30	Nil
9	Area under Green belt	0.75	5.794
10	Area under infrastructure	0.10	Nil
11	Area under drain and bund	0.20	Nil
12	Un disturbed	10.219	Nil
	<b>Total</b>	16.264	16.264

11. 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.
12. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
13. The commitments made in the public hearing are to be fulfilled by the PP.
14. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

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

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

16. In the proposed EMP, capital cost is Rs. 17.40 Lakh is proposed and Rs.17.10 Lakh /year as recurring expenses.
17. Under CSR activity, Rs. 7.65 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
18. 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.
19. 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.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. PP will comply with all the commitments made vide letter dated 13.08.2020.
22. 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.

**2. Case No 7108/2020 M/s. Saishakti Realities Pvt. Ltd, 315, Saket Nagar, Dist. Indore, MP – 452001 Prior Environment Clearance for Construction of Commercial cum Hotel Project "Fortune Azure" (Total Plot Area = 5434.32 sqm, Built-up Area = 30840.67 sqm) at Plot No. 14, 15, 16, Mechanic Nagar Extension, Scheme No. 54, Indore, (MP).**

This is case of Prior Environment Clearance for Construction of Commercial cum Hotel Project "Fortune Azure" (Total Plot Area = 5434.32 sqm, Built-up Area = 30840.67 sqm) at Plot No. 14, 15, 16, Mechanic Nagar Extension, Scheme No. 54, Indore, (MP).Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 448th meeting dated 23/7/20 & 438th meeting dated 02/06/2020. Committee

decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by PP and their consultant wherein PP stated that the existing land use will not get altered from the project as the current land use of the project area is Commercial and has been approved by Indore Development Authority. The proposed development will be as per the approval of the local authority and building bye-laws. Site is open land and does not involve activities of any type. It is anticipated that the construction activities of the proposed project would not have any adverse effect on the land use. The development of the green belt and other land scape would enhance the visual aesthetics of the area.

**The salient features of the project:**

- The Project site is located at Plot No 14,15,16 Mechanic Nagar Extension, Scheme No. 54, Indore Madhya Pradesh.
- The land use of the project is Commercial and has been approved by Indore Development Authority
- Application was submitted on 5 May 2020.

**Site Specific Details**

<b>Particulars</b>	<b>Details</b>
Location	Environment Clearance of Proposed Commercial cum Hotel Project <b>“Fortune Azure”</b> at Plot No 14,15,16 Mechanic Nagar Extension, Scheme No. 54, Indore Madhya Pradesh
Type of Industry	Building & Large Construction Project
Category	B, Type- 8(a)
Elevation (m) amsl	545 m
Current status of land	Commercial
Type of facilities	Shops Offices Hotel Gym Banquet Food Court
Nearest Highway	M.R 10 Road- 300m (N) Agra Bombay Road-500m ( E)

Nearest railway station	Indore Junction- 4km (SW)
Nearest airport	Devi Ahilya Bai Holkar Airport Indore - 8.5 km (SW)
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community reserves and conservation reserves)	None
Reserved/Protected Forests	Nil (in 10km radius)
Rivers/Lakes	Khan River-700m (W) Saraswati River -2.5 km (W)
Seismic zone	Seismic Zone III according to Indian standard seismic zoning Map
Defense installations	Cantonment Area -25km (SW)

## **AREA STATEMENT**

S. No	Items	Details
1	Total Plot Area	5,434.32 m <sup>2</sup>
2	Ground Coverage (Permissible)	2173.73 m <sup>2</sup> (40%)
3	Ground Coverage Proposed	2149.55 m <sup>2</sup> (39.56%)
4	FAR Detail	
5	Permissible FAR Area (@2.5)	13,585.80 m <sup>2</sup>
6	Proposed FAR (@2.4833)	13,494.0 m <sup>2</sup>
7	Basement Area	10,295 m <sup>2</sup>
8	Other Services	7051.67 m <sup>2</sup>
9	Total Non-FAR Area	17,346.67 m <sup>2</sup>
10	Built up Area (FAR + Non-FAR)	30,840.67 m <sup>2</sup>
11	Open Area	3284.77 m <sup>2</sup>
12	Landscape Area	543.432 m <sup>2</sup> (10%)
14	Area for road and internal circulation + Services (Paved area)	2741.338 m <sup>2</sup>
16	Maximum Building Height	23.90 m
17	Total Nos. of units	245 Units
18	Total Parking provided	379 ECS



19	Number of Trees Required (One tree per 80 m <sup>2</sup> of open space) Number of Trees Proposed	Required: 41trees Proposed: 45trees
20	Total Water Requirement Domestic Water Requirement Waste Water generated STP Capacity	92KLD 80 KLD 68 KLD 85KLD
21	Solid Waste Generation	387 kg/day
22	Total Population	1610
23	Power Requirement and Source Backup Power	Power Requirement :2000 KVA Source: MPPCL Backup: 4 DG Sets of capacity 250 KVA each.
24	Shops Office Hotel	78 Shops 135 Offices 32 rooms in Hotel

### **Development Mix**

S.NO.	Floor	Built up Area (m <sup>2</sup> )	Units/Uses
1	Parapet wall Outline	146.87	-
2	First Basement	3431.79	Parking
3	Second Basement	3431.79	Parking
4.	Third Basement	3431.79	Parking
5.	Ground Floor	2469.76	38 Shops
6.	First Floor	3185.98	40 Shops
7.	Service Floor	1589.96	Utilities, Services & Facilitation Activities
8.	Second Floor	2466.19	27 offices
9.	Third Floor	2282.34	27 offices
10.	Fourth	2218.47	27 offices
11.	Fifth Floor	2036.61	27 offices
12	Sixth Floor	2020.60	27 Offices
13	Seventh Floor (Hotel)	2128.52	32 Rooms Restaurants & Kitchen
	Total	30840.67	-

Committee after presentation and deliberation PP was asked to submit following information for further consideration of the project.

1. Two trees are existing within project area and which are proposed for felling hence, proposal of 10 more trees to be planted as compensatory plantation.
2. Revised CER as suggested by the committee.

PP vide letter dated 14.08.2020 has submitted the revised plantation species details which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Construction of Commercial cum Hotel Project "Fortune Azure" (Total Plot Area = 5434.32 sqm, Built-up Area = 30840.67 sqm) at Plot No. 14, 15, 16, Mechanic Nagar Extension, Scheme No. 54, 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 before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- ix. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

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

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 04 Diesel power generating sets 250 kVA X 04 nos. proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG sets 250 kVA X 04 nos 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 92 KLD out of which 53 KLD is fresh water requirement and 39KLD will be the total recycled water generated, out of which 27 KLD recycled water will be used for flushing ,04 KLD water will be used for horticulture and 08 KLD for Heating, ventilation, and air conditioning (HVAC).
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.

- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fire water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 01 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 69 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 - **85 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 85 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 387 Kg/day, this consist all types of wastes (as Horticulture waste 02 Kg/day and E- waste 03 Kg/day), 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 55 (45+10 tree compensatory) trees shall be planted in the area of 543.43 m<sup>2</sup> (10 % 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 included 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 stack plied 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 379 ECS (in which 312 ECS for 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Basement parking, and 67 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. 90.00 Lakhs as capital and Rs. 20.00 Lakhs as recurring cost for this project.
- vi. For this project PP has proposed Rs 80.00 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 7333/2020 M/s Sarthak Builders and Developers, Shri Ashwin Mehta, Partner, 394, 395, 397, Choti Khajrani, Dist. Indore, MP - 452001 Prior Environment Clearance for Construction of "Singapore Business Park" (Proposed Area = 18990 sqm, Built-up area = 25476 sqm) at 397/1, 397/2, 395/1, 395/2, 397/1-Part, 397/2-Part, 395/2-Part, 395/1-Part, Choti Khajrani, District- Indore (MP)**

This is case of Prior Environment Clearance for Construction of "Singapore Business Park" (Proposed Area = 18990 sqm, Built-up area = 25476 sqm) at 397/1, 397/2, 395/1, 395/2, 397/1-Part, 397/2-Part, 395/2-Part, 395/1-Part, Choti Khajrani, District- Indore (MP)

In this meeting , vide letter dated 23.07.2020 requested that due to some modification in Form-1 they have required some more time as some modification is being proposed. Committee after deliberation observed this is a violation project and PP should asked to submit an affidavit at the time presentation in the forthcoming SEAC meeting that they have not made any changes in the area related details in the earlier submitted Form-1.

The case was presented by PP and their consultant PP stated that the project is construction of Singapore Business built by Sarthak Builders & Developer at 397/1, 397/2, 395/2, 397/1- Part, 397/2- Part, 395/1- Part Chhoti Khajrani District Indore. This proposed project shall be used for office /commercial purposes. On the google image it was observed that on the site some heap of soil is observed PP said this soil is accumulated by the order of district administration for plantation. Moreover, PP informed that a road is passing through the site from the southern side and as per the recommendations of district authority a curtain wall has been erected for

safety of the persons passing from that road and thus same shall not be treated as violation. it was observed by committee that within project area one old house is existing hence for which PP submitted that this will be demolished. Committee asked PP to submit details C&D waste as the same are missing in form-1. It was also submitted by PP that Ralamandal Abhayaran is approx. 9.00 Kms from the project site and thus they have applied for NBWL clearance vide application number FP/MP/Other/5285/2020. After presentation and discussion PP was asked to submit following revised details:

1. Commitment for retaining wall construction at road side.
2. Backup calculation of water demand viz. monsoon seasons and non- monsoon seasons.
3. STP capacity with design criteria.
4. Hazardous waste quantity including carbon from ACF.
5. Electrical details with solar system.
6. Colorful layout showing green area.
7. List of plant species.
8. Storm water management and channel size.
9. Revised EMP and CER as suggested by the committee.

PP vide letter dated 14.08.2020 has submitted the revised plantation species details which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Construction of "Singapore Business Park" (Proposed Area = 18990 sqm, Built-up area = 25476 sqm) at 397/1, 397/2, 395/1, 395/2, 397/1-Part, 397/2-Part, 395/2-Part, 395/1-Part, Choti Khajrani, District- 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 Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board Wildlife as PP has applied for NBWL clearance vide application number FP/MP/Other/5285/2020 due to Ralamandal Abhayaran.
- iii. 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.

- iv. 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.
- v. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- vi. 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.
- vii. 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.
- viii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- ix. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- x. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

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

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 04 Diesel power generating sets 50 kVA X 01 nos. proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.

- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG sets 50 kVA X 01 nos 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 60 KLD out of which 20 KLD is fresh water requirement and 40 KLD will be the total recycled water generated, out of which 30 KLD recycled water will be used for flushing and 10 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, 01 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 56 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 - **50 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 50 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.**

- vii. 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.
- viii. Outdoor and common area lighting shall be LED.
- ix. 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.

- x. 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.
- xi. 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.
- xii. 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 390 Kg/day, this consist all types of wastes (as Organic waste 110 Kg/day and non- organic waste 250 Kg/day), Horticulture waste 30 Kg/day , 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 85 trees shall be planted in the area of 1890 m<sup>2</sup> (10 % of total plot area) which is developed as greenbelt development.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be 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.
  - e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
  - f. Traffic calming measures.
  - g. Proper design of entry and exit points
  - h. 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 689 ECS (in which 457 ECS for Basement parking , 232 for ECS for Silt 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 Rs59.5 Lakhs as capital and Rs. 10.3.00 Lakhs as recurring cost for this project.
- vi. For this project PP has proposed Rs 40.00 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.

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

This is a case Prior Environment Clearance for Proposed Dyes Intermediates Plant by M/s Maruti Enterprises, Plot No. 546, Sector No. 3, Pithampur, Dist. Dhar, MP Capacity – 7200 MTPA. Total Land area- 2787 sqm. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The case was scheduled in 449<sup>th</sup> meeting dated 24/07/2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP and their consultant PP stated that Maruti Enterprises is putting up a new project to manufacture dye intermediates at Pithampur. The Proposed Project is an initiative under “Atma-nirbhar Bharat.

**The salient features of the project:**

- Only One Product will be manufactured which is Para Nitro toluene ortho sulphonic acid
- The production facility is at Plot no. 546, Sector no.3, Pithampur.
- The total land area is 2787 Sq. Mtr. There is an old constructed but unused shed 500 Sq. mtr. Area .
- This project will adopt advance technology where there will be almost no pollution impact.
- Vertical type machinery layout to minimize land area.
- No spillage over ground as the lowest point of the plant will be at the height of 2 Mtrs above ground.
- Minimum handling of the products.

**Product & Production Capacity:**

S.No.	Product Name	Capacity
1.	PARA NITRO TOLUENE ORTHO SULPHONICACID (P.N.T.O.S.A.)	7200 MT/Yr
<b>By Product</b>		
1.	Sulphuric Acid (SPENT ACID 75%)	6601Yr

Further, in Google image committee observed a sheds is in existing for which PP submitted they will retain this shed and same will be used in the proposed project and will not be dismantled thus no C&D waste will be generated. In the process sulfuric acid is proposed as by-product which is not accepted by committee as this shall be categorized as hazardous waste and its complete disposal plan shall be provided with EIA report along with firm commitment for its disposal through reuse with agreement letter from the concerned industries. After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with following additional TOR and as per Annexure-D:

1. Discuss HAZOP analysis in the EIA.
  2. Complete disposal plan of sulphuric acid shall be provided with EIA report along with firm commitment for its disposal through reuse with agreement letter from the concerned industries.
  3. Worst case scenario w.r.t. waste water and hazardous waste should be submitted.
  4. VOC should be monitored in the AAQ.
  5. All MSDS should be provided with the EIA report.
  6. Industry has to comply with zero discharge for which necessary details should be provided in the EIA report.
  7. PP should explore possibility of using Biofuel based technology.
  11. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
  12. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
  13. 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.
  14. 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.
5. **Case No. – 6067/2019 Shri Girraj Singh, Panchavati Colony, AB Road, Bhahorapur, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,29,575 cum per annum) (Khasra No. 2304), Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2304), Village - Prakash Bamhauri, Tehsil -

Gaurihar, 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. 694 dated: 05/2/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 6.233 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 364<sup>st</sup> SEAC meeting dated 17/04/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 20/7/20 which was forwarded through SEIAA vide letter no. 1838 dated 23/07/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that following details of this project were submitted by the PP:

- Under the current EC application expansion in production capacity of Granite Stone from 80,000 m<sup>3</sup>/year to Max. 2,29,575 m<sup>3</sup>/year has been proposed.
- Since cluster of active mines area in the immediate surrounding exceeding 5 hectares, therefore EIA and EMP required for seeking Environmental Clearance from SEIAA as per the O.M F.No. L-11011/175/2018/IA-II (M) dated 12/12/2018.
- The estimated life of the mine is approx. 3 years.
- Previously EC was granted by DEAC/ DEIAA MP vide letter No. 868/DEIAA/2016 Dated 26/06/2016. Compliance of EC has been certified by MoEF&CC Regional office, Bhopal.
- The stone production estimated to be Max. 2,29,575 cu.mtr/ Year for the lease period of 10 years.
- Mining Plan with Progressive Mine Closure Plan has been approved by, Directorate of Geology & Mining Regional office Jabalpur vide letter no.- 3805 dated 29.09.2018 and is valid from 2015 to 2025.

During presentation PP informed that they have obtained MoEF&CC compliance report of earlier EC condition and the compliance was found satisfactory. After presentation and deliberation, PP was asked to submit following information:

1. Commitment that no crusher to be installed within lease.

2. Blasting impacts and its mitigative measures.
3. Mitigative measures for high air quality value of PM10.
4. Revised EMP as suggested by the committee.
5. Revised CER as suggested by the committee.

PP vide their letter dated 14.08.2020 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 Stone Quarry in an area of 4.00 ha. (2,29,575 cum per annum) (Khasra No. 2304), Village - Prakash Bamhauri, 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 4150 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. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. 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 1.5 m Wide & 1 m Deep & 850 m Long. The settling tank will be 04 in number of size 4 m wide, 15m long & 2.5 m deep.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

<b>Particulars</b>	<b>Present Area in (ha)</b>	<b>After 5 years Area in (ha)</b>	<b>At the end of mine life Area in (ha)</b>
Pits	0.120	3.368	0.00
Office & Rest Shelter (barrier zone)	0.0036	0.0036	0.000
Plantation (within Barrier Zone)	0.20	0.6284	0.632
Water Body	0.000	0.000	3.368
Unused	3.6764	0.000	0.00
Total	4.000	4.000	4.000



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

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

33. In the proposed EMP, capital cost is Rs. 18.56 Lakh is proposed and Rs.7.29 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 4.10 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. PP will comply with all the commitments made vide letter dated 13.08.2020.
36. 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.
37. 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.

**6. Case No 7405/2020 Shri Deepak Kumar Jha S/o Shri Haribhallabh Jha, Tehsil - Biora, Dist. Rajgarh, MP – 465661 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5307 cum per annum) (Khasra No. 25/1/2/2), Village - Jogidata, Tehsil and Dist. Rajgarh (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 25/1/2/2), Village - Jogidata, Tehsil and Dist. Rajgarh (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

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

duly verified in the Collector Office letter No. 289 dated: 03/3/2020 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, within 500 meters following sensitive features were observed in the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
07 Trees	within lease	Sparsely distributed	Out of 07 tree, existing 06 trees within lease are proposed for felling for which PP will take permission from competent authority and 60 trees shall be additionally planted as compensatory plantation other 01 which are located in the barrier zone shall be kept intact.

After presentation the committee asked to submit following details:

- Proposal for planting 60 additional trees in place of 06 proposed tree uprooting.
- Inventory of trees with plantation scheme.

PP has submitted the response of above quarries same date vide letter dated 14.08.2020, 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 5307 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.07.31 Lakh as capital and recurring cost Rs. 01.965 Lakh/year and under CSR Rs. 0.20 Lakh/years is proposed.

**7. Case No. – 6274/2019 Shri Ruchit Daga S/o Shri Mahendra Daga, Tehsil - Badnawar, Dist. Dhar, MP Prior Environment Clearance for Metal Stone Quarry in an area of 2.00 ha. (5,880 cum per annum) (Khasra No. 135/1), Village - Manglya, Tehsil - Badnawar, Dist. Dhar (MP).**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 135/1), Village - Manglya, Tehsil - Badnawar, Dist. Dhar (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2214 dated: 20/04/18 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in 387<sup>th</sup> SEAC meeting dated 07/08/2019 wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in 380<sup>th</sup> SEAC meeting dated 05/07/2019. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein it was observed from the Google image that the lease is already excavated, for which PP submitted that they have obtained EC from DEIAA and it's a case of lease renewal. Committee observed that the coordinates are not matching with the actual lease boundary shown by the PP and as per the co-ordinates provided in mine plan. Committee also observed that lease has already infringed natural stream which is in existence on the western side of the lease.

Thus committee after deliberations recommends that PP shall submit the DGPS co-ordinates of the lease and copy of earlier EC obtained from DEIAA for further consideration of this case.

In the SEAC 393<sup>th</sup> meeting dated 30/8/19, query raised and issued letter no. 645 dated 23/9/19 and reminder letter was also sent to the PP vide letter no. 766 dated 13/12/19. PP so far has not

submitted the desired information thus in the SEAC 416<sup>th</sup> meeting dated 08-01-2020 committee after deliberations decided that the case is recommended for delisting in the light of MoEF&CC OM file No. J-11013-5-2009-IA-II (part) dated 30/10/2012.

SEIAA vide letter 1826-27/SEIAA/20 dated 23-07-2020 case relisted and sent technical file to SEAC along with PP request letter dated 30.6.2020 wherein PP stated that due to some unavoidable circumstances he was not able to present the case .

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

**8. Case No. – 6647/2019 Shri Anil Kumar Jain S/o Shri Bherulal Jain, Rajgarh, Dist. Jhabua, MP – 457661 Prior Environment Clearance for Stone Quarry in an area of 3.80 ha. (6,790 cum per annum) (Khasra No. 773/2), Village - Paledi, Tehsil - Rama, Dist. Jhabua, (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 773/2), Village - Paledi, Tehsil - Rama, Dist. Jhabua, (MP) 3.80 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. 431 dated: 28/05/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 416<sup>th</sup> SEAC meeting dated 08/01/2020 and in 407<sup>th</sup> SEAC meeting dated 26/11/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

SEIAA vide letter 1828-27/SEIAA/20 dated 23-07-2020 case relisted and sent technical file to SEAC along with PP request letter dated 30.6.2020 wherein PP stated that due to some unavoidable circumstances he was not able to present the case .

The case for schedule for presentation wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Pucca Road	>50	NW	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
River	>100	East	Provision of Garland drain & settling tanks.
Natural Drain	>05	South	Set back of 45 meters from lease to natural drain and provision of Garland drain & settling tanks.
Natural Drain	>50	North	Garland drains and settling tanks shall be provided.

After presentation the committee asked to submit following details:

- Revised surface map leaving set back of 50 meters from lease to natural drain.
- Revised plantation species as suggested during presentation.
- Revised CER as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.08.2020, 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 6,790 cum/annum.
2. Setback of 45 meters in the lease from natural drain on southern side shall be left as non mining area.
3. A budgetary provision for Environmental management Plan of Rs.06.46 Lakh as capital and recurring cost Rs. 03.405 Lakh/year and under CSR Rs. 02.0 Lakh has proposed.

**9. Case No 7393/2020 M/s G.R.Infra projects Ltd, Hiran Magri, Dist. Udaipur, Raj. – 458001 Prior Environment Clearance for Metal Stone Quarry in an area of 3.0 ha. (225000 cum per annum) (Khasra No. 318), Village - Nariyabuzurg, Tehsil - Shamgarh, Dist. Mandsaur (MP)**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 318), Village - Nariyabuzurg, Tehsil - Shamgarh, Dist. Mandsaur (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: 17/06/20 has reported that there are no more mines operating or proposed within 500 meters around the said mine

The case was scheduled in 449<sup>th</sup> meeting dated 24/07/2020 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP and their consultant PP stated that this lease was obtained under temporary permit (TP) with two years validity & the method of mining will be open cast manual. The crusher is proposed within lease area. As per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Wind Mill	>200	South	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
PMGSY Pucca Road	>210	South –east	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

After presentation the committee asked to submit following details:

- Revised EMP as incorporate proposal for wind breaking wall as suggested during presentation.

- Revised CER as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.08.2020, 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 2,25,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.10.39 Lakh as capital and recurring cost Rs. 05.24 Lakh/year and under CSR Rs. 01.00 Lakh/years is proposed.

**10. Case No 7408/2020 M/s Munger Construction Company, Managar, Shri Suresh Singh, Professors Colony, kukda Jagat, Dist. Chhindwara Prior Environment Clearance for Stone Quarry in an area of 1.499 ha. (11000 cum per annum) (Khasra No. 370), Village - Purtala, Tehsil - Amarwara, Dist. Chhindwara (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 370), Village - Purtala, Tehsil - Amarwara, Dist. Chhindwara (MP) 1.499 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. 3224 dated: 17/07/20 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.943 ha., including this mine.

The case was presented by the PP and their consultant. During presentation excavated area seen on the google map based on coordinates provided by PP for which PP stated that they got the mine in this condition and have shown on surface map. Within 500 meters following sensitive features were observed of the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Natural Drain	>128	South	Provision of Garland drain & settling tanks.

Pucca Road	>60	North –East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
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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 11,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.04.92 Lakh as capital and recurring cost Rs. 03.29 Lakh/year and under CSR Rs. 2.5 Lakh for 05 years is proposed.

**11. Case No 7406/2020 Shri Mukesh Tahlani, Ward No. 28, Krashnapuri, Sindi Colony, Dist. Hoshangabad, MP Prior Environment Clearance for Stone Quarry in an area of 3.730 ha. (28025 cum per annum) (Khasra No. 344), Village - Samnapurkalan, Tehsil - Goharganj, Dist. Raisen (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 344), Village - Samnapurkalan, Tehsil - Goharganj, Dist. Raisen (MP) 3.730 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 777 dated: 18/06/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.730 ha., including this mine.

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



**12. Case No 7407/2020 Shri Anokhilal Jain, Titrod, Tehsil - Sitamau, Dist. Mandsaur, MP – 477001 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8232 cum per annum) (Khasra No. 14, 15, 16, 17), Village - Karnali Jagir, Tehsil - Sitamau, Dist. Mandsaur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 14, 15, 16, 17), Village - Karnali Jagir, Tehsil - Sitamau, Dist. Mandsaur (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2317 dated: 10/07/20 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 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

**13. Case No 7409/2020 Shri Ashutosh Mishra S/o Shri Mahendra Narayan Mishra, Sangam Colony, Kotar, Dist. Satna, MP – 485001 Prior Environment Clearance for Laterite and Ochre Quarry in an area of 4.995 ha. (Laterite - 18000 cum per annum, Ochre - 1800 cum per annum) (Khasra No. 1P, 2P, 3P, 4P, 5P), Village - Karhi Khurd, Tehsil - Kotar, Dist. Satna (MP)**

This is case of Laterite and Ochre Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1P, 2P, 3P, 4P, 5P), Village - Karhi Khurd, Tehsil - Kotar, Dist. Satna (MP) 4.995 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. 1427 dated: 17/07/20 has reported that there are no more mines operating or proposed within 500 meters around the said mine

The case was presented by PP and their consultant, wherein PP submits that since it is a Laterite and Ochre Quarry. No blasting and blasting is proposed. Mining shall be through Opencast Semi Mechanized Method. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Approx. 15 Trees	Within lease	Centre of the mine and North East side.	PP stated that no tree felling is proposed and this afforested area deal as no- mining zone in the map approved by competent authority.

After presentation the committee asked to submit following details:

- Commitment that no tree falling is proposed and this afforested area deal as no-mining zone.
- Inventory of the trees existing within lease.
- PP's commitment plantation shall be done in the as no- mining zone.
- Revised Surface plan.

PP has submitted the response of above quarries same date vide letter dated 14.08.2020, 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 Laterite 18,000 cum per annum, Ochre 18,00 cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.11.562 Lakh as capital and recurring cost Rs. 06.795 Lakh/year and under CSR Rs. 03.0 Lakh in 05 years is proposed.

**14. Case No 7402/2020 Shri Biharilal S/o Shri Pooran Singh Ruhela, Village- Keshariyabe, Tehsil - Biaora, Dist. Rajgarh, MP Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8000 cum per annum) (Khasra No. 131/4/2/1), Village - Keshariyabe, Tehsil - Biaora, Dist. Rajgarh (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 131/4/2/1), Village - Keshariyabe, Tehsil - Biaora, Dist. Rajgarh (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 632 dated: 19/6/20 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, within 500 meters following sensitive features were observed of the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Natural Drain	>65	North	Provision of Garland drain & settling tanks.
River	>450	NE To SE	Provision of Garland drain & settling tanks.
Kachha Road	>200	South -West	-

PP further stated that the lease area is excavated previously and have got the lease in this condition and have also shown the same on surface map. 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 8000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.86 Lakh as capital and Rs. 3.65 Lakh/year and under CER Rs. 0.60 Lakh/year is proposed.

**15. Case No 7403/2020 Shri Kaluram Dangi S/o Shri Shrilal Dangi, Village - Ranara, Tehsil - Khilchipur, Dist. Rajgarh, MP – 465679 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (6000 cum per annum) (Khasra No. 2/1), Village - Sankhedi, Tehsil - Khilchipur, Dist. Rajgarh (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2/1), Village - Sankhedi, Tehsil - Khilchipur, Dist. Rajgarh (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 323 dated: 06/3/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that the as per Google image based on coordinates provided by PP the entire lease area is surrounded by lush green agriculture land and mining on this area will affect agricultural practices in surrounding areas also. Moreover, PP stated that this area has water potential and crop is being taken by himself and surrounding farmers of this entire area. Committee also observed that there is no road available for evacuation of this mineral for this PP has to purchase agriculture land for evacuation. Committee after deliberation decided that mining on agricultural field shall not be encouraged and thus asked PP to submit Soil testing analysis report particularly Nitrogen (N), Phosphorous (P) and Potassium (K) values from their field from any Government Soil Testing Laboratory for further appraisal of this case.

**16. Case No 7404/2020 Shri Kanhaiyalal S/o Nathulal, Village - Dheergarh, Tehsil & Dist. Rajgarh, MP – 465674 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (4200 cum per annum) (Khasra No. 6), Village - Bhagwatipur, Tehsil and Dist. Rajgarh (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 6), Village - Bhagwatipur, Tehsil and Dist. Rajgarh (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 832 dated: 21/05/2019 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, within 500 meters following sensitive features were observed of the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
PMGSY Pucca Road	>45	South-West to North -East	Setback of 05 meters towards North side and Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

After presentation the committee asked to submit following details:

- Revised Surface plan.
- Revised CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 14.08.2020, 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 4200 cum/annum.
2. Setback of 05 meter to be left towards North side where PMGSY Pucca Road.
3. A budgetary provision for Environmental management Plan of Rs.06.63 Lakh as capital and recurring cost Rs. 03.24 Lakh/year and under CSR Rs. 0.40 Lakh/years is proposed.

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

**17. Case No 7085/2020 M/s H.M.Marble, 903/1, Badi Omti, Dist. Jabalpur, MP – 482002 Prior Environment Clearance for Marble Quarry in an area of 14.38 ha. (Marble - 5641 cum per annum, Waste - 22563 cum per annum) (Khasra No. 1117, 1145, 1155, 1157, 1158, 1159, 1160/1, 1160/2, 1162/1, 1162/2, 1162/1212, 1163/1P, 1163/2P, 1164/1, 1164/2), Village - Jujhawal, Tehsil - Bahoribanh, Dist. Katni (MP)**

This is case of Marble Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1117, 1145, 1155, 1157, 1158, 1159, 1160/1, 1160/2, 1162/1, 1162/2, 1162/1212, 1163/1P, 1163/2P, 1164/1, 1164/2), Village - Jujhawal, Tehsil - Bahoribanh, Dist. Katni (MP) 14.38 Ha. The project requires prior EC before commencement of any activity at site.

In the SEAC- 438<sup>th</sup> meeting dated 02/06/2020 the committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA. Accordingly the TOR was issued to the PP vide no. 285 dated 23.06.2020.

PP vide letter dated 08/07/2020 has applied for revised ToR wherein PP stated that due to typographical error the name of PP was wrongly mentioned as M/s. D.M.Marble instead of M/s. H.M.Marble. Committee accepts the request made by PP and recommended to issue revised ToR with revised name of PP. Now PP name shall be read as M/s. H. M. Marble . Remaining conditions for ToR shall remain same as recommended in 438<sup>th</sup> meeting dated 02/06/2020.

**18. Case No 7211/2020 Shri Jagdish Singh, Friends Colony, Behind F.C.I. Godawn, Birla Road, PO & Dist. Satna, MP – 485005 Prior Environment Clearance for Limestone and Reject Stone Mine in an area of 7.331 ha. (3,00,000 Tonne per annum) (Khasra No. 951/1, 972/1), Village - Goraiya, Tehsil - Kotar (Rampur Baghelan), Dist. Satna (MP).**

This is case of Limestone and Reject Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 951/1, 972/1), Village - Goraiya, Tehsil - Kotar (Rampur Baghelan), Dist. Satna (MP) 7.331 Ha. The project requires prior EC before commencement of any activity at site.

In the SEAC- 442<sup>th</sup> meeting dated 16/06/2020 the committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA. Accordingly the TOR was issued to the PP vide no. 353 dated 26.06.2020.

PP vide letter dated 29/07/2020 has applied for revised ToR wherein PP stated that due to typographical error the Khasra no. of the project was wrongly mentioned as 951/1, 972/2 instead of 951/1, 972/1. Committee accepts the request made by PP and recommended to issue revised ToR with revised name of PP. Now PP name shall be read as 951/1, 972/1. Remaining conditions for ToR shall remain same as recommended in SEAC- 442<sup>th</sup> meeting dated 16/06/2020.

**19. Case No. – 6523/2019 M/s ACC Ltd, Kymore Cement Works, P.O.Kymore, Dist. Katni, MP - 483880, Prior Environment Clearance for 2.00 MTPA Cement Grinding Unit at Khasra no 77, 83/1, 82, 81, 79, 78, Village - Ametha, Tehsil - Vijayaraghavgarh, Dist. Katni (MP). Env.Cons-Creative Enviro Services.**

This is case of Cement Grinding Unit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village - Ametha, Tehsil - Vijayaraghavgarh, Dist. Katni (MP). The project requires prior EC before commencement of any activity at site.

In the SEAC 398<sup>th</sup> meeting dated 04/10/2019 the committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA. Accordingly TOR was issued to the PP.

PP has submitted the EIA report vide letter dated 05/05/2020 which was forwarded through SEIAA vide letter no. 1298 dated 25/06/2020, which was placed before the committee.

In the SEAC 444<sup>th</sup> meeting dated 03/07/2020 PP and their consultant presented the EIA before the committee during discussion following details of this project was submitted by the PP:

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

**Brief Write Up of the Project:**

- ACC Limited propose to set up a 2.0 Million Ton per Annum (MTPA) Greenfield Cement grinding plant at khasra No. 77,83/1,82,81,79,78, Ametha, Tehsil Vijayaraghavgarh, District Katni, Madhya Pradesh to meet the growing market demand of cement in Madhya Pradesh, Uttar Pradesh.

- As per the provisions of EIA notification SO 1533 (E) dated 14<sup>th</sup> September 2006, proposed Cement grinding unit project falls under the 3 (b) Cement Plants category. In view of this ACC has submitted application to SEAC/ SEIAA for environmental clearance.
- Estimated total project cost is Rs 200 Crores. ACC has earmarked 30 cr towards the Environmental Management Plan (EMP) implementation and 3.5 cr for CER (Corporate Environment responsibility). The project is expected to be implemented within 12 Months after obtaining all relevant approvals.
- This is state of art environment friendly, dry process cement grinding unit will result in sustainable development by utilization of waste fly ash from nearby power plant. Total land required for project is 5.1 ha Acres. The proposed land is owned by company and there is no issue of Rehabilitation & Resettlement (R&R). Land use of the project land is changed for industrial purpose 39 % of total area is earmarked for the green belt development.
- Total water requirement will be 115 m<sup>3</sup>/day. This water requirement for the proposed cement grinding unit, will be met from the rain water harvested in the existing excavated mine pits. Zero Liquid Discharge (ZLD) will be maintained.
- Total employment potential will be about 30 in permanent role and 60 in contractual jobs excluding indirect employment. ACC will give preference to the local people during construction and operation phase of the project depending upon the skill, job requirement and desired competency. The surrounding people will benefit from various socio-economic activities and direct indirect job opportunities created by the proposed project.

**Project Cost:**

- Protect cost - The capital cost [INR] : 200 Crores
- Cost of EMP [INR] : 30.0 Crore
- Cost of CER [INR] : 3.5 Crore

During EIA presentation PP stated that this proposed plant is a green field project for cement grinding unit by utilization of waste fly ash from nearby power plant. In this plant dry process of cement grinding will be used. Portland Pozzolona Cement (PPC) will be produced by grinding Clinker, fly ash & gypsum in a definite proportion. The grinding system is based on grinding in Vertical Roller Mill (VRM).



After presentation the committee asked to submit following details:

- I. Commitment that proposed raw material will be transported by the conveyor for which no issues of land acquisition and R&R are pending.
- II. Copy of valid NABT certificate as submitted certificate expired on 18/02/2020.
- III. DFO certificate shall be deposited by PP.
- IV. PP shall explore the possibility of transporting fly ash from nearby railway yard/siding to the plant through conveyor belt or through railway line to avoid road transportation and fugitive emissions.
- V. Process flow diagram with mass balance.
- VI. Bifurcation of total water demand of 115 KLD.
- VII. Bifurcation of flora and fauna as per schedule of species and commitment that no schedule - I species is recorded within the study area.
- VIII. Details of proposed STP i.e component wise drawing & design with capacity.
- IX. Details of all raw materials and their storage area proposed for them as discussed during presentation.
- X. Any proposal for hot air generation (HAG).
- XI. Details of pollution control equipments proposed to be installed at Raw material Handling Area, Cement Mill (hopper building), Cement Mill & bag house, Fly ash Silo, Cement Silo, Packing Plant etc.
- XII. Source of generation of waste oil (4000 liters/annum) and Grease (3500 kg/annum).
- XIII. Revised plantation scheme as suggested by committee during presentation.
- XIV. Revised EMP and CER as suggested by the committee during presentation.

PP vide their letter dated 20.07.2020 submitted query reply, PP stated that proposed plant is a cement grinding unit only. About 39% area of plant area will be covered with green belt. Road & approaches would be concreted to control fugitive dust emission. Most efficient type water spraying system would be provided. Regarding R&R the required land is owned by ACC and is already diverted for the industrial use. Hence, no issue of R&R related to land acquisition. The all queries which were placed before the committee found satisfactory and acceptable to the committee. After discussion committee observed that the EMP and other submissions including query reply made by PP were found adequate and satisfactory and thus the case is recommended for Cement Grinding Unit at Khasra no 77, 83/1, 82, 81, 79, 78, Village - Ametha, Tehsil - Vijayaraghavgarh, Dist. Katni (MP). Capacity- 2.00 MTPA Cat. - 3(b), Cement Plant, subject to the following special conditions:

#### **I. Statutory compliance:**

- I. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.

- II. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
- III. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

## **II. Air quality monitoring and preservation**

- I. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 91<sup>st</sup> May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- II. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986
- III. The project proponent shall install Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released e.g. PM10 and PM 2.5 in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- IV. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report.
- V. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources so as to comply prescribed stack emission and fugitive emission standards.
- VI. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

- VII. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- VIII. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- IX. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
- X. Provide wind shelter fence and chemical spraying on the raw material stock piles.
- XI. Have separate truck parking area and monitor vehicular emissions at regular interval.
- XII. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.
- XIII. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.

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

- I. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated as" August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)
- II. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- III. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- IV. Adhere to 'Zero Liquid Discharge.

- V. Sewage Treatment Plant shall be properly maintained and operated for treatment of domestic wastewater to meet the prescribed standards.
- VI. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- VII. The project proponent shall continue the practice of rainwater harvesting to maximum possible extent.
- VIII. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

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

- I. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- II. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

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

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

#### **VI. Waste management**

- I. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- II. Solid waste whatsoever generated shall be disposed off in suitable manner.

#### **VII. Green Belt**

- I. The project area has a green belt (5000 nos. of plants) in the area of 20,000 m<sup>2</sup>. Green belt shall be maintained in an area equal to 39% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- II. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

#### **VIII. Human health issues**

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

- II. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- IV. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

**X. Corporate 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 balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- III. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- IV. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- V. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- VI. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.
- VII. For Environment Management Plan PP has proposed Rs. 3000 Lakhs as capital and Rs. 79.0 Lakhs as recurring cost for this project.

VIII. For this project PP has proposed Rs 350 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

**X. Miscellaneous**

- I. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- II. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

**20. Details of cases pending since long for want of information:**

PP has not submitted desired information in the stipulated time even after given reminder letter. Hence, these cases are recommended by the committee for delisting in the light of MoEF&CC, O.M. File no. J-11013/5/2009-IA-II (Part), dated 30<sup>th</sup> October, 2012.

SN	Case No. Activity	SEAC Meeting details	Reason for delisting
1.	<b>Case No. – 6476/2019 Shri Kashi Ram Yadav, Karrakanta, Tehsil - Mungaoli, Dist. Ashoknagar, MP – 473338.</b> <i>Prior Environment Clearance for Flag Stone Quarry in an area of 1.50 ha. (2,280 cum per annum) (Khasra No. 248/2), Village - Karrakanta, Tehsil - Mungaoli, Dist. Ashoknagar (MP).</i>	393 <sup>rd</sup> meeting dated 30/08/2019. Qry. letter issued vide letter No. 649 dated 23/09/2019, Qry. Reminder I letter issued vide letter No. 768 dated 13/12/2019 & Reminder II letter issued vide letter No. 174 dated 13/05/2020.	PP Reply not received till date.
2.	<b>Case No. – 6690/2019 Shri Manish Kumar Shukla, 23, New Jivaji Nagar, P&amp;T Colony, Thatipur, Dist. Gwalior, MP – 473551.</b> <i>Prior Environment Clearance for Crusher Stone Quarry in an area of 2.00 ha. (8,265 cum per annum) (Khasra No. 335/min-3), Village - Enwara, Tehsil - Badarwas, Dist. -Shivpuri, (MP).</i>	415 <sup>th</sup> meeting dated 07/01/2020. Qry. letter issued vide letter No. 27 dated 06/02/2020, Qry. Reminder I letter issued vide letter No. 166 dated 13/05/2020 & Reminder II letter issued vide letter No. 365 dated 25/07/2020.	PP Reply not received till date.
3.	<b>Case No 6761/2020 Shri Deepak Sharma, Gautam Vihar Colony, Dist. Shivpuri, MP – 473551.</b> <i>Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (99,805.65 cum per annum) (Khasra No. 213/2, 213/min-3, 215), Village - Dabra Dinara, Tehsil - Karera, Dist. Shivpuri (MP).</i>	421 <sup>st</sup> meeting dated 26/01/2020. Qry. letter issued vide letter No. 102 dated 28/02/2020, Qry. Reminder I letter issued vide letter No. 170 dated 13/05/2020 & Reminder II letter issued vide letter No. 361 dated 25/07/2020.	PP Reply not received till date.

4.	<b>Case No. –1657/2013 M/s Upkar Stone Crusher, Prop. Ejaj Ahmed S/o Shri Haji Moyudden,Village &amp; Post - Thuti, Tehsil - Anooppur , Distt. -Anooppur (M.P. ) 484334.</b> <i>Prior Environmental Clearance for approval of 1.942 ha, Stone quarry Production Capacity 10,000 cum/year at Survey No. 1028/1 K Village-Dhangava, Tehsil- Anuppur, Distt- Anuppur (M.P).</i>	PP Abs. in 409 <sup>th</sup> meeting dated 28/11/2019, 414 <sup>th</sup> meeting dated 06/01/2020,  417 <sup>th</sup> meeting dated 22/01/2020 PP Request give more time.	PP Reply not received till date.
5.	<b>Case No. - 5800/2018 M/s Indore Development Authority, 7, Race Course Road, Indore, (M.P.) – 452003.</b> <i>Prior Environment Clearance for Construction of Commercial Multi Storey Building by M/s Indore Development Authority (Total Plot Area = 11692.50 sqm., Total Built-up Area = 76368 sqm) at Plot No. - 25, Sector C, Scheme 151, Dist. Indore,(M.P.).</i>	338 <sup>th</sup> meeting dated 02/01/2017. Qry. letter issued vide letter No. 37 dated 17/01/2019.  Qry. Reminder letter issued vide letter No. 367 dated 17/01/2019.	PP Reply not recieved till date.

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

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

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

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

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

**(Dr. Rubina Chaudhary)**  
**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/Murum and Soil quarries:**

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



16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
23. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".

**Annexure- 'B'**

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

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.

5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.

23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".

**Annexure- 'C'**

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.

15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".

**Annexure- 'D'**

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

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.

10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.

27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.

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

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