

The 398th meeting of the State Expert Appraisal Committee (SEAC) was held on 4th October, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Shri R. S. Kori, Secretary.

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

1. **Case No. 5738/2018 M/s Danish Housing Co-operation Society Ltd. 217=6-A, Zone-I M.P Nagar Bhopal -462011. Construction of Proposed Residential Development on Part of Khasra No. 69 situated at Danish Hills View Colony Village -Damkheda - Kolar Road, Tehsil Huzur, District Bhopal, Madhya Pradesh, India. Land area- 15,380 sq.mt, Total Built up Area- 24,755.26 sq.mt, DANISH HOUSING COOPERATIVE SOCIETY LIMITED New Construction Projects and Industrial Estates.**

This is case of Prior Environment Clearance for M/s Danish Housing Co-operation Society Ltd. 217=6-A, Zone-I M.P Nagar Bhopal -462011. Construction of Proposed Residential Development on Part of Khasra No. 69 situated at Danish Hills View Colony Village - Damkheda - Kolar Road, Tehsil Huzur, District Bhopal, Madhya Pradesh, India. Land area- 15,380 sq.mt, Total Built up Area- 24,755.26 sq.mt, Cat. 8(a) Building and Construction Projects.

Earlier this case was scheduled in 327th SEAC meeting dated 07/09/2018 meeting, wherein ToR (For Violation) has been recommended.

PP has submitted EIA report vide letter dated 19/08/2019 which was forwarded through SEIAA vide letter no 2323 dated 23/09/2019 which was placed before committee.

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

2. Case No. – 6514/2019 M/s Malwa Vanaspati & Chemical Co. Ltd, 1, Mohatta Nagar, Bhagirathpura, Dist. Indore Prior Environment Clearance for Construction of proposed Textile Park (Total Plot Area – 1,14,640 sqm, Net Planning Area – 95,840 sqm) at Khasra no 81, 82 (P), 83, 84, 84/2, 85(P), 86/1/1(P), 86/2, 86/3(P), 87/1/1(P), Village-Indore, Tehsil & Dist. Indore, MP.

This is case of Prior Environment Clearance for Construction of proposed Textile Park (Total Plot Area - 114640 sqm. net planning area - 95840 sqm) at *Khasara no. 81, 82 (P), 83, 84/2, 85(P), 86/1/1(P), 86/2, 86/3(P), 87/1/1(P) village – Indore, Teh. & Dist. Indore, (M.P.). Cat. 8(a) Project. Building & Construction Project.* The project requires prior EC before commencement of any activity at site.

In this meeting the cases was presented by the PP and their consultant and during presentation following details were provided:

Salient features of the project:

Project Activity	8(a) Building and Construction
Category	“B” (B2) Category B: $\geq 20,000$ Sq. meters and $< 1, 50,000$ sq. meters built up area.
Project Details	
Plot Area	114640 m ²
Built Up area	Permissible built-up area: 96,685 m ² Proposed Built-up Area: 95,984 m ²
Type of project	Construction Proposed Industrial area development project (Readymade garments manufacturers of 7 blocks and 176 unit) by M/s. Malwa Vanaspati and Chemical Co. Ltd
Project Cost	Rs. 88 Crores EMP Cost - Rs. 5.72Crores (Capital)

Location	Khasra no. 81,82(P),83,84/2,85(P), 86/1/1(P),86/2,86/3(P),87/1(P) Village: Bhagirathpura, Tehsil: Indore, District: Indore, MP.
Latitude & Longitude	Latitude 22°44'38.87"N Longitude 75°51'37.40"E
Nearest Habitation	Bhagirathpura (adjacent), N
Nearest Highway	Agra- Bombay Road 4.2 Km, E
Nearest Railway Station	Laxmibai Nagar Railway Station 500 M, SW
Nearest Airport	Indore Airport – 5.40 Km SW
Nearest Forest	Ralamandal RF – 11.4 km, SE
Nearest Water bodies	Saraswati River: 140 M, E
State, National Boundaries	No State Boundary within 15 km
Sensitive Area	Ralamandal Wildlife Sanctuary– 11.4 km, SE

Sr. No.	Particulars	Details
1.	Name of the project	Proposed Textile Building By M/s Malwa vanaspati & chemical co. ltd
2.	Location of project	Village Indore, Tashil :Indore District: Indore Madhya Pradesh
3.	Plot Area	Total Plot Area : 114640 m2 Net Plot Area - 95840
4.	Built up Area building	95984.28 m2
5.	Total parking area	Total Parking – 18999 Msq. Permissible ECS- 958 No's Proposed ECS- 760 No's
6.	Total Water requirement	Total water requirement -137 KLD Fresh water supply - 96 KLD.
7.	Total green/ landscape area	9611 m2
8.	Total power requirement	3000 KW
9.	Site connectivity	Indore Railway Station –0.5km, W Indore Airport - 6.0 KM W
10.	Project Cost	INR – 88 Crores

POWER & DG SET DETAILS

Power Requirement	3000 KW
Source of power	State Electricity Board.
Power backup DG Set	DG Set (to be placed in acoustic chamber). Capacity – 3 x 750 KVA
Max Fuel Consumption (Lts/hr)	200 LPH HSD (low sulphur)
Source of Fuel	HSD fuel used will be sourced from the local traders.

PARKING DETAILS

Parking Calculation		
Area required for Parking (20%)	18999	sq.m
Total Net plot area	94995	sq.m
Parking required as per Norms (1/100 Sq.m)	950	Nos
Total ECS provided	760	nos
Car Parking (70%)	532	nos
2 whleers (considering 3 nos/per ECS)	684	nos.
Total Parking	1216	Nos.

WATER REQUIREMENT

<u>Non Monsoon Season</u>						
Sr. no.	Particular	Units	Person/Unit	Nos of Persons	LPCD	Total
1	Industrial Plot	176	15	2640	45	118800
2	Visitors			1200	15	18000
Total						136800
Say (KLD)						137
Sewage Generation (KLD)						110
STP Capacity (KLD)						130
Treated Water (considering 10%losses) KLD						99

Flushing Water (30% of the total water requirement): 41.0 KLD

Monsoon
Season

Sr. no.	Particular	Units	Person/Unit	Nos of Persons	LPCD	Total
1	Industrial Plot	176	15	2640	45	118800
2	Visitors			1200	15	18000
Total						136800
Say (KLD)						137
Sewage Generation (KLD)						110
STP Capacity (KLD)						130
Treated Water (considering 10%losses) KLD						99

Nearby Drainage : 58

KLD

Fresh Water Requirement: 137-41 =96 KLD

The case was presented by PP and their consultant wherein during presentation PP submitted that in this proposed Textile Park no dyeing and processing unit will be installed and thus they have not applied the case under category 5(d), 5(f) and 7(c). However, as per MoEF&CC EIA Notification, 2006 schedule 7(c), column 5, they have applied in category 8(a). PP further submitted that no processing & dyeing unit will be installed in this proposed textile park and only readymade garment manufacturing activities will be taken up. Committee after deliberations recommends that in this proposed textile park no industry falling within the purview of EIA notification, 2006 which required EC shall be established.

After presentation and deliberation, committee asked PP to submit the following information/declarations:

1. PP's notarized undertaking on that:
 - a. It is no dyeing & processing unit will be established in this project.
 - b. STP of 130 KLD capacity will be installed.
 - c. As per existing master plan, the area is notified in the industrial area.
 - d. ZLD will be maintained by the proposed textile park.
 - e. Plantation of 3000 numbers tree species will be taken up.
2. Copy of water supply commitment letter.
3. Commitment that minimum depth of RWH pipe will be >10 meters.
4. Details of sub- surface strata.
5. Copy of layout map.

6. Plan of storm water management.
7. Top soil management.
8. Copy of provisional fire NOC.

PP vide letter dated 04.10.2019 has submitted reply of the above commitment. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found satisfactory and acceptable hence, the case was recommended for grant of Prior Environment Clearance for Construction of proposed Textile Park (Total Plot Area - 114640 sqm. net planning area - 95840 sqm) at *Khasara no. 81 ,82 (P), 83, 84/2, 85(P), 86/1/1(P), 86/2, 86/3(P), 87/1/1(P) village – Indore, Teh. & Distt. Indore, (M.P).* 8(a) Building & Construction Project with following special conditions:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iv. No dying & processing unit shall be installed in this proposed textile park which falls within the perview of EIA Notification, 2006 and only readymade garment manufacturing activities will be taken up in the proposed park.
- v. 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.
- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. Diesel power generating sets (3 x 750 KVA) to be placed in acoustic chamber, 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 set (3 x 750 KVA) shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement is 137 KLD out of which 96 KLD is fresh water requirement and sewage generation 110 KLD, treated waste water generation 99 KLD, 41 KLD will be used in flushing , 48 KLD in horticulture within site and 58 KLD water will be discharged into municipal sewer.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor 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, 26 pits will be constructed, the total recharge capacity of RWH shall be about 854 m³. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. All recharge should be limited to shallow aquifer.
- xv. No ground water shall be used during construction phase of the project.
- xvi. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xviii. Sewage shall be treated in the STP based on MBBR (Capacity - 130 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xix. No sewage or untreated effluent water would be discharged through storm water drains.
- xx. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural Treatment systems shall be promoted.
- xxi. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxii. Sludge (15Kg/Day) 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 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 in meet electricity generation equivalent to 1% of the demand load or as per the state level/local building bye-law's requirement, whichever 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 for the commercial and institutional building or as per the requirement of the local building bye-laws, whichever I higher Residential buildings are also recommended to meet its hot water demand form solar water heaters, as par as possible.

VI. Waste Management

- i. Total waste (Garbage (Bio-degradable waste + Non bio- degradable waste + inert waste) shall be 840 Kg/day , STP Sludge – 15 Kg/day , Cloth cutting waste – 350 Kg/day , Used Batteries-3 nos./year, Used Oil- 2.0 kL/year these different category wastes shall be treated/ disposed off as per provision made in the MSW Rules 2016 & HSMD and Battery Rule etc..
- 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 (840 Kg/day) shall be segregated into wet garbage and inert materials.
- v. Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 Kg/person/day must be installed.
- vi. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vii. 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.
- viii. 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.
- ix. 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.
- x. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- xi. 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. No 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).

- ii. 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.
- iii. For green belt development 9611 square meters of area shall be provided as per the details provided in the project document. Where 3000 nos. of plants will be planted.
- 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. Parking's for 720 Nos. ECS shall be provided as proposed by PP.
- 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. PP proposed Rs. 185 Lakh as capital cost and Rs. 32.5 Lakh /year for recurring expenses in the project for EMP.
- vi. Under CER, PP has proposed total CER cost RS. 176 Lakh as capital cost including 25 Lakh / year as recurring.

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. – 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.

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, Bihar, Uttarakhand.

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 State of Art air pollution control system will be installed to achieve particulate Matter (PM) emission <30 mg/Nm³. Dust collected from various pollution control equipments like Bag filter / Bag house will be totally recycled back to the system. Provisions of covered shed for raw materials, internal concrete roads, green belt development is proposed to control fugitive emission.

Total water requirement will be 115 m³/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 job. 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.

ENVIRONMENTAL SITING

Particulars	Details
Locations	
A. Village	Ametha
B. Tehsil	Vijayraghaogarh
C. District	katni
D. State	Madhya Pradesh
Toposheet No.	63 D/8
General ground level	577-580m above MSL
Nearest National/ State Highway	NH-7 connecting, Jabalpur- Allahabad (6.5- km, NW)
Nearest Railway Station	Jukehi railway station (9.5-km, WSW)
Nearest Airport	Jabalpur (120 km, SW)
Nearest Tourist Place	None within 10km radius
Nearest major City	1] Katni (30-km, SW); 2] Satna (65-km, NE); 3] Jabalpur (120-km, SW)

Nearest river	Mahanadi River- (12.0-km, SE), Koilari Nadi- (6.8-km, SSE); Katni Nadi- (7.5-km, SSE); Tons River- (4.6-km, NNW)
Hills/Valleys	Kymore Hill range (0.6–km , N)
Reserved/ Protected Forest within 10-km radius	Surma RF 0.8-km, N
Nearest Village/Township	Ametha (0.8 –km, E) , Kymore (10.8 – km, ENE)
Ecological Sensitive Areas (Wild Life Sanctuaries)	None within 10km radius, letter has been submitted to DFO Katni for providing the details.
Seismic Zone	Zone-II as per IS-1893 (Part-1)-2002

The case was presented by the PP and their consultant wherein it was informed by the PP that for this proposed cement grinding plant the clinker will be produced in a nearby location for which EC has been obtained from MoEF&CC. During presentation through Google map it was informed by PP to the committee that the proposed clinker manufacturing unit (for which TOR is obtained from MoEF&CC) is located in a close vicinity of this unit on the south-western side and a mine is also in operation which belongs to ACC. Committee during presentation also recommends to carry out site visit (if possible) of the proposed location considering number of mines operational in the area and also to see environmental protection measures adopted by the company in the nearby mine. Committee also recommends that PP shall carryout in-depth geological survey of the area (being rich lime stone belt) and study cumulative impacts of all the mines in existence in 2.5 kms area to assess the pollution load and its mitigation plan.

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

1. Ambient Air Quality Monitoring Stations should be located in all the villages which are within 01 kms radius of the project site and incremental GLC should be predicted in all such villages.
2. Concerned Regional Officer, MP Pollution Control Board must be informed about the monitoring locations and monitoring should be carried out under intimation to him.
3. In EIA study the mode of transportation, storage of fly ash, all raw materials and products should be discussed along with their impacts.

4. Protection Plan for surface run off should be discussed in EIA report.
5. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
6. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
7. Transportation plan & traffic management plan should be discussed in the EIA report.
8. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
9. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
10. Year wise details of minerals already excavated till date should be submitted with EIA report.
11. In-depth geological survey of the area (being rich lime stone belt) and study cumulative impacts of all the mines in existence in 2.5 kms area to assess the pollution load and its mitigation plan
12. Top soil management plan should be addressed in EIA report.
13. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
14. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.

4. Case No. – 6504/2019 M/s Dineshchandra R Agrawal Infracon Pvt. Ltd, 401, The Grand Mall, S.M.Road, Ambawadi, Dist. Ahmedabad, Guj Prior Environment Clearance for Soil/ Murrum Quarry in an area of 1.00 ha. (1,00,000 cum per annum) (Khasra No. 125), Village - Hatnori, Tehsil - Kannod, Dist. Dewas (MP).

This is case of Soil/ Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 125), Village - Hatnori, Tehsil - Kannod, Dist. Dewas (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildr Office letter No. -- dated: 21/08/19 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	07	South	Setback of 3 meters shall be left
Trees	Within lease	-	No tree falling without permission from competent authority
Habitation	216	West	No drilling and blasting is proposed.

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. PP submits that No drilling and blasting is proposed. It is a case of Temporary Permit (TP) of 1 year. After presentation the committee asked to submit following details:

- Revised CER & EMP as suggested by the committee.
- Undertaking that no trees exist on site.
- Commitment of PP to carryout transportation through 40 MT truck load capacity to minimize the number of trips.
- Re-assess the number of trips/day with 40 MT loading capacity.
- Commitment of PP for providing pucca evacuation route to carry 40 MT truck load considering the production vary high capacity with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides.
- Commensurate budget for evacuation route shall be provided in EMP.
- Commitment of PP that no evacuation shall be carried out from the village side.
- Proposal to avoid collapse of mine.
- Revised plantation details.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 Soil/ Murrum 1,00,000 cum per annum.

2. A budgetary provision for Environmental management Plan of Rs. 15.92 Lakh as capital and Rs. 5.20 Lakh/year and under CER Rs. 0.30 Lakh as capital has proposed.

5. Case No. – 6515/2019 M/s Dineshchandra R Agrawal Infracon Pvt. Ltd, 401, The Grand Mall, S.M.Road, Ambawadi, Dist. Ahmedabad, Guj. Prior Environment Clearance for Soil/Murram quarry in an area of 1.00 ha. (2,00,000 cum per annum) (Khasra No. 193), Village - Hirapur, Tehsil - Satwas, Dist. Dewas (MP).

This is case of Soil/ Murram Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 193), Village - Hirapur, Tehsil - Satwas, Dist. Dewas (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildr Office letter No. NIL dated: 27/08/19 has reported that there are no ore 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Dam	200	North-West	Provision of Garland drain & settling tanks.
Canal	135	South	-

It is at Hillock mining with elevation difference of about 25 meters; all mining operations will be undertaken by Open Cast Semi-Mechanized Method. PP submits that No drilling and blasting is proposed. It is a case of Temporary Permit (TP) of 1 years. After presentation the committee asked to submit following details:

- Revised CER & EMP as suggested by the committee.
- Commitment of PP to carryout transportation through 40 MT truck load capacity to minimize the number of trips.
- Re-assess the number of trips/day with 40 MT loading capacity.

- Commitment of PP for providing pucca evacuation route to carry 40 MT truck load considering the production vary high capacity with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides.
- Commensurate budget for evacuation route shall be provided in EMP.
- Commitment of PP that no evacuation shall be carried out from the village side.
- Proposal to avoid collapse of mine.
- Evacuation route draw on Google map avoiding nearby canal.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 Soil/ Murrum 2,00,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.47 Lakh as capital and Rs. 5.30 Lakh/year and under CER Rs. 0.60 Lakh as capital has proposed.

6. Case No. – 6506/2019 Shri Raju Sen S/o Shri Ramsharan Sen, R/o Itauri Agro Enterprises B.T.I. Road, Dist. Panna, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (15,590 cumper annum) (Khasra No. 846 Parts), Village - Udaipur, Tehsil - Ajaigarh, Dist. Panna (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 846 Parts), Village - Udaipur, Tehsil - Ajaigarh, Dist. Panna (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. 1379 dated: 27/07/19 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.00 ha., including this 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Settlement	70	East	Orientation of mine shall be from North
Kachcha Road	20	South	Three rows plantation towards road side.

The case was presented by PP and their consultant wherein it was recorded that all mining operations will be undertaken by Semi-Mechanized Method by deploying machineries i.e. 2 no.-JCB (3dx), 1 no- Pocklane (Hyundai), 8 no.-dumpers (TATA, Eicher) etc. After presentation the committee asked to submit following details:

- Revised environment map with contour and location of Garland drain and settling tank with its dimension is to be submitted.
- Revised orientation of mine from North side in order to protect the nearest habitation.
- Revised CER.
- Inventory of trees.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 15,590 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.98 Lakh as capital and Rs. 4.48 Lakh/year. Under CER Rs. 00.80 Lakh/ year has proposed.

7. Case No. – 6500/2019 Shri Rajkumar Tikmani S/o Shri Girdhari Lal Tikmani, A-251, Shastri Nagar, Jodhpur, Rajasthan – 342003 Prior Environment Clearance for Stone Quarry in an area of 3.50 ha. (1,00,480 cum per annum) (Khasra No. 44/1), Village - Mahewa , Tehsil - Teonthar, Dist. Rewa (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 44/1), Village - Mahewa , Tehsil - Teonthar, Dist.

Rewa (MP) 3.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 04 dated: 17/01/19 has reported that there are no ore mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein it was recorded that all mining operations will be undertaken by Semi-Mechanized Method by deploying machineries i.e. 2 no.-JCB (3dx), 1 no- Pocklane (Hyundai), 8 no.-dumpers (TATA, Eicher) etc. After presentation the committee asked to submit following details:

- Revised CER by adding traffic awareness programmes suggested during presentation.
- Revised EMP.

PP has submitted the response of above quarries same date vide letter dated 30.09.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 1,00,480 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.02 Lakh as capital and Rs. 4.48 Lakh/year. Under CER Rs. 2.40 Lakh/ year has proposed.

8. Case No. – 6503/2019 Shri Rakesh Yadav S/o Shri Satyaveer Yadav, Bhesoda Mandi, tehsil - Bhanpura, Dist. Mandsaur, MP – 458778 Prior Environment Clearance for and Quarry in an area of 2.00 ha. (Stone 9,659 Cum/Year & Murrum 7,100 cum/Year) (Khasra No. 751/1, 751/2), Village - Kuldeshwara, Tehsil - Bhanpura, Dist. Mandsaur.

This is case of Stone and Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 751/1, 751/2), Village - Kuldeshwara, Tehsil - Bhanpura, Dist. Mandsaur (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 Ekal Praman-Patr (Collector Office) letter No. 1207 dated: 06/07/19 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	300	West	Three rows plantation towards road side.
Trees	Within lease	-	PP proposed 10 times compensatory plantation for uprooting trees with permission.

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. 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 9,659 Cum/Year & Murrum 7,100 cum/Year.
2. A budgetary provision for Environmental management Plan of Rs. 8.36 Lakh as capital and Rs. 2.74 Lakh/year and under CER Rs. 1.30 Lakh as capital has proposed.

9. Case No. – 6507/2019 M/s Varahi Maa Mining & Crushing, Shri Vishveshwar Dayal Sharma, S-3, Krishna Enclave, F Block, Kamla Nagar, Dist. Agra, UP Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (1,54,731 cum per annum) (Khasra No. 936 Part), Village - Babai, Tehsil - Niwari, Dist. Niwari (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 936 Part), Village - Babai, Tehsil - Niwari, Dist. Niwari (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Ekal Praman-Patr (Collector Office) letter No. 3016 dated: 07/01/19 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 21.00 ha., including this mine.

The case was presented by the PP and their consultant wherein committee observed that as per revised M.O certificate issued vide letter no 3016 dated 07/01/19, it's a case of cluster with total area of 21.00 ha., and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Certified compliance of earlier EC conditions are to be annexed in final EIA report.
2. Explore such evacuation road that should be left minimum disturbance to surrounding villages.

10. Case No. – 6508/2019 M/s Savitri Maa Infratech, Shri Vishveshwar Dayal Sharma, S-3, Krishna Enclave, F Block, Kamla Nagar, Dist. Agra, UP Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (1,34,525 cum per annum) (Khasra No. 936 Part), Village - Babai, Tehsil - Niwari, Dist. Niwari (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 936 Part), Village - Babai, Tehsil - Niwari, Dist. Niwari (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Ekal Praman-Patr (Collector Office) letter No. 3015 dated:

07/01/19 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 21.00 ha., including this mine.

The case was presented by the PP and their consultant wherein committee observed that as per revised M.O certificate issued vide letter no 3015 dated 07/01/19, it's a case of cluster with total area of 21.00 ha., and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Certified compliance of earlier EC conditions are to be annexed in final EIA report.
2. Explore such evacuation road that should be left minimum disturbance to surrounding villages.

11. Case No. – 6509/2019 M/s Gawar Construction Ltd, Shri Ajay Pathak, S.F. - 01, JMD Galleria, Sector - 48, Sohna Road, Dist. Gurgaon, HR – 475110 Prior Environment Clearance for Stone Quarry in an area of 1.485 ha. (Production Capacity- 25,311 cum per annum) (Khasra No. 11/1 K, 11/2), Village - Gangapur, Tehsil - Dabra, Dist. Gwalior (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 11/1 K, 11/2), Village - Gangapur, Tehsil - Dabra, Dist. Gwalior (MP) 1.485 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 Ekal Praman-Patr (Collector Office) letter No. TP-09 dated: 06/06/19 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 2.008 ha., including this 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:

Sensitive Features	Approximate aerial distance from the lease	Direction	Remarks

	area in meters		
Canal	110	South-East	Provision of Garland drain & settling tanks.
House	90	South-East	PP annexed the agreement copy
Settlement	340	North-East	Control blasting shall be done
WBM Road	110	North-East	Three rows plantation towards road side.
Trees	Within lease	-	PP proposed 10 times compensatory plantation for uprooting trees with permission.

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. It is a case of Temporary Permit (TP) of 2 years. After presentation the committee asked to submit following details:

- Revised plantation (1400 nos.) as suggested during presentation.
- Revised EMP.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 25,311 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.02 Lakh as capital and Rs. 3.58 Lakh/year and under CER Rs. 0.60 Lakh as capital has proposed.

12. Case No. – 6510/2019 Shri Narayan Prasad Sureha S/o Shri Ghasiram Sureha, Village - Mohendra, Tehsil - Pawai, Dist. Panna, MP – 488446 Prior Environment Clearance for Flag Stone Quarry in an area of 1.00 ha. (2,400 cum per annum) (Khasra No. 148), Village - Kothi, Tehsil - Pawai, Dist. Panna (MP).

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 148), Village - Kothi, Tehsil - Pawai, Dist. Panna (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1637 dated: 11/09/19 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.40 ha., including this 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	100	West	Three rows plantation towards road side.

PP further submits that since it is a Flagstone Quarry, no drilling & blasting is proposed. All mining operations will be done by Manually & Semi-Mechanized Method with the help of; 1-tractor etc. Shorting, sizing & dressing will be done by labours by hand tools like hammers, Chisels, Spade, Bucket etc.

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 Flagstone 2,400 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 3.78 Lakh as capital and Rs. 1.60 Lakh/year. Under CER Rs. 0.35 Lakh/ year has proposed.

13. Case No. – 6518/2019 Smt. Pratibha Singh D/o Shri Abhyan Singh, 148, Ward No. 09, Jamua No. 02, Tehsil - Majholi, Post - Umaria, Dist. Sidhi, MP – 486335 Prior

Environment Clearance for Stone quarry in an area of 1.254 ha. (12,642 cum per annum) (Khasra No. 567, 568/1 (Govt.), 568/2 (Pvt.)), Village - Saradman, Tehsil - Hanumana, Dist. Rewa (MP).

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 567, 568/1 (Govt.), 568/2 (Pvt.)), Village - Saradman, Tehsil - Hanumana, Dist. Rewa (MP) 1.254 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. 5391 dated: 16/09/19 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.884 ha., including this 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees	Within lease	--	PP proposed 10 times compensatory plantation for uprooting trees with permission.
River	190	North	Provision of Garland drain & settling tanks.
Pucca Road	250	West	Three rows plantation towards road side.

It was recorded that Sanctioned lease is in two parts. Being the area of one part was less than 1.00 ha., thus in order to make area greater than 1.00 ha., another part was allotted as per mining department letter no 12540 dated 01/08/2018. All mining operations will be undertaken by Open Cast Semi-Mechanized Method. After presentation the committee asked to submit following details:

- Revised CER by replacing tanker water supply to water harvesting as suggested by the committee.

- Revised plantation scheme adding proposal for compulsory plantation.
- Tree inventory with commitment of compulsory plantation.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 12,642 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 07.30 Lakh as capital and Rs. 2.39 Lakh/year and under CER Rs. 0.65 Lakh as capital has proposed.

14. Case No. – 6513/2019 M/s Om Granite, R/o Village - Didwara, Tehsil - Luvkush Nagar, Dist. Chhatarpur, MP, Prior Environment Clearance for Gitti Stone Mine in an area of 1.061 ha. (Proposed Production 9,975 cum per annum) (Khasra No. 1158/1), Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP).

This is case of Gitti Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1158/1), Village - Didwara, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP) 1.061 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. 2033 dated: 22/04/19 has reported that there are no ore 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees (2)	Within lease	--	PP proposed 10 times compensatory plantation for uprooting trees with

			permission.
--	--	--	-------------

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. After presentation the committee asked to submit following details:

- Revised plantation species as suggested during presentation.
- Inventory of trees that will uprooted with its species and Girth at 120cm.
- Revised EMP & CER as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 9,975 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 27.14 Lakh as capital and Rs. 4.86 Lakh/year and under CER Rs. 1.59 Lakh as capital has proposed.

15. Case No. – 6517/2019 M/s DarshStar Stone Pvt. Ltd, Shri Amarnath Sharma, Director, 46, Shanti Vihar, Dist. Gwalior, MP Prior Environment Clearance for Stone quarry in an area of 3.00 ha. (1,52,958 cum per annum) (Khasra No. 1983, 1985, 1986, 1987, 1989, 1991), Village - Paali, Tehsil - Gohad, Dist. Bhind (MP).

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1983, 1985, 1986, 1987, 1989, 1991), Village - Paali, Tehsil - Gohad, Dist. Bhind (MP) 3.00 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 Ekal Praman-Patr Collector Office letter No. 1007 dated: 06/09/19 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.87 ha., including this 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Canal	100	East	Protection plan is to be submitted.
Kachcha Road	20	North	Three rows plantation towards road side.

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. After presentation the committee asked to submit following details:

- Revised CER by eliminating distribution of R.O and adding water conservation as suggested by the committee.
- Top soil management plan is to be submitted by the PP.
- Canal Protection Plan is to be submitted by the PP.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 1,52,958 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.32 Lakh as capital and Rs. 4.13 Lakh/year and under CER Rs. 3.00 Lakh as capital has proposed.

16. Case No. – 6519/2019 Shri Pankaj Rawat S/o Shri D.P.Rawat, R/o Jail Ke Samne, Dist. Tikamgarh, MP Prior Environment Clearance for Stone quarry in an area of 3.987 ha. (27,987 cum per annum) (Khasra No. 451/1), Village - Rigaura, Tehsil - Tikamgarh, Dist. Tikamgarh (MP).

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 451/1), Village - Rigaura, Tehsil - Tikamgarh,

Dist. Tikamgarh (MP) 3.987 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. 2288 dated: 02/08/19 has reported that there are no ore 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural Drain	25	East	Setback of 25 meters to be left
Pucca Road	180	North	Three rows plantation towards road side.

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. After presentation the committee asked to submit following details:

- Revised transport Management Plan with number of trips, load, capacity of truck, and road maintenance is to be submitted by the PP.
- Surface map showing 25 meters setback.
- Details of evacuation route with its gradient are to be submitted by the PP.
- Revised EMP as suggested by the committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 27,987 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 21.06 Lakh as capital and Rs. 4.48 Lakh/year and under CER Rs. 0.90 Lakh as capital has proposed.

**17. Case No. – 6520/2019 M/s Tomar Builders and Contractors Pvt. Ltd, Dist. Gwalior, MP
Prior Environment Clearance for Crusher Stone quarry in an area of 2.50 ha. (2,25,000
cum per annum) (Khasra No. 231), Village - Salmanya, Tehsil - Baroda, Dist. Sheopur
(MP).**

This is case of Crusher Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 231), Village - Salmanya, Tehsil - Baroda, Dist. Sheopur (MP) 2.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office) letter No. Q dated: 18/12/18 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.50 ha., including this 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:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural Drain	50	East	Provision of Garland drain & settling tanks.
Pond	150	South-West	-

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. It is a case of Temporary Permit (TP) of 15 months. After presentation the committee asked to submit following details:

- Revised CER as suggested by the committee.
- Commitment of PP to carryout transportation through 40 MT truck load capacity to minimize the number of trips.
- Re-assess the number of trips/day with 40 MT loading capacity.
- Commitment of PP for providing pucca evacuation route to carry 40 MT truck load considering the production vary high capacity with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides.

- Commensurate budget for evacuation route shall be provided in EMP.
- Commitment of PP that no evacuation shall be carried out from the village side.
- Protection plan for natural drain in existence on the eastern side of the lease.

18. Case No. – 6511/2019 M/s Shri Krishna Construction Gawar Construction Ltd, 95, Goldan Avenue-III, Roorki Road, Dist. Meerut, UP Prior Environment Clearance for Stone Quarry in an area of 4.50 ha. (2,73,983 cum per annum) (Khasra No. 89), Village - Chhapakuru, Tehsil - Deori, Dist. Sagar.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 89), Village - Chhapakuru, Tehsil - Deori, Dist. Sagar (M.P.) 4.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 222 dated: 02/02/19 has reported that there are no ore mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, observed that the lease area is falling on hillock where elevation difference is about 07 meters, within 500 meters following sensitive feature were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Nallah	East	50	Provision of garland drain and settling tanks.
Nallah	West	200	Provision of garland drain and settling tanks.

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. It is a case of Temporary Permit (TP) of 2 years. During presentation it was observed by committee that a pit is in existence on the QL for which PP submitted that they have got the lease in this condition as TP. After presentation the committee asked to submit following details:

- Revised EMP by adding cost soil for plantation & cost of road maintenance as suggested by committee.

- Photographs of existing road are to be submitted by the PP
- Revised plantation @ 4500 number of trees to be planted.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 04.10.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 2,73,983 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 35.77 Lakh as capital and Rs. 4.17 Lakh/year. Under CER Rs. 1.44 Lakh/ year has proposed.

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

19. Case No. – 6340/2019 Shri Manoj Kumar Kushwah S/o Shri Narayan Prasad Kushwah, Village - Dhamasa, Tehsil - Dolariya, Dist. Hoshangabad, MP – 461223 Prior Environment Clearance for Murrum Quarry in an area of 2.00 ha. (10,160 cum per annum) (Khasra No. 60/2), Village - Dhamasa, Tehsil - Dolariya, Dist. Hoshangabad (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 60/2), Village - Dhamasa, Tehsil - Dolariya, Dist. Hoshangabad (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1422 dated: 02/01/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 381st SEAC meeting dated 08/07/2019. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	>280	East	-
Settlement	>400	NE	Three rows of plantation.
Natural Drain	25	South	Setback of 25 meters.

PP further stated that no blasting is proposed and only manual mining shall be carried out. After presentation the committee asked to submit following details:

1. Revised EMP by adding by adding tanker sprinklers supply.
2. A drain exists on the southern side of the lease thus 25 meters setback is to be left for which revised surface map is to be submitted.

PP has submitted the response of above quarries same date vide letter dated 28.09.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 10,160 cum per annum.
2. A setback of 25 meters shall be left in QL area from natural drain.
3. A budgetary provision for Environmental management Plan of Rs. 11.16 Lakh as capital and Rs. 2.41 Lakh/year and under CSR Rs. 0.30 Lakh as capital has proposed.

20. Case No. – 6055/2019 Shri Narayan Dodwe, Village - Bilda, Tehsil - Gandhawani, Dist. Dhar, MP – 454446 Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (9,700 cum per annum) (Khasra No. 245/1), Village - Blida, Tehsil - Gandhwani, Dist. Dhar (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 245/1), Village - Blida, Tehsil - Gandhwani, Dist. Dhar (MP) 1.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office vide letter no. 2381 dated: 29/09/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 359th SEAC meeting dated 10/04/2019. PP stated that crusher is proposed within the lease. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Pakka Road	>200	West	--
Settlement/ habitation	>130	West	Three row plantation towards village side.
Natural drain	Originating from the lease	within the lease	Setback of 50 meters with garland drain & settling tanks

After presentation the committee asked to submit following details:

- Commitment from PP to leave setback of 50 meters either side of the natural drain within the ML area.
- Revised EMP includes cost of garland drain, settling tanks & wire fencing.
- Revised CER include proposal for water filter, Book Library and sports kit for the school in the affected village.

This case was discussed before committee as PP was informed to submit above information vide letter no 457 dated 30/07/2019 and reminder was also sent to the PP vide letter no. 633 dated 11/09/2019. PP so far has not submitted the desired information thus 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.

21. Case No. – 6197/2019 Shri Kuldeep Udayniya, S/o Shri Kripashankar Udayniya, Village - Simrapari, Dist. Katni, MP – 483330 Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (6,000 cum per annum) (Khasra No. 139), Village - Nittarrii, Tehsil - Sagar, Dist. Sagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 139), Village - Nittarrii, Tehsil - Sagar, Dist. Sagar (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. 538 dated: 13/03/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

During presentation (in 373rd SEAC meeting dated 24/05/2019) as per Google image based on coordinates provided by PP following other sensitive features were observed within 500 meters of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pakka Road	>30	South	20 meters setback as no mining area.
Canal	>400	West	Provision of settling tanks and garland drain.

PP stated that crusher is proposed but it shall be located from the 100 meters away from the road. After presentation the committee asked to submit following details:

- Revised EMP includes cost of fencing length & VT.
- Revised MO certificate as in the submitted certificate 02 mines are mentioned but area of only one mine is given.
- Commitment that crusher shall be located from the 100 meters away from the road.

This case was discussed before committee as PP was informed to submit above information vide letter no 370 dated 17/06/2019 and reminder was also sent to the PP vide letter no. 635 dated 11/09/2019. PP so far has not submitted the desired information thus 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.

22. Case No. – 6425/2019 Shri Abhishek Kumar Singh, Village & Post - Chhitauni, Chaubeypur, Dist. Varanasi, UP – 486886. Prior Environment Clearance for Stone Quarry in an area of 1.90 ha. (16,590 cum per annum) (Khasra No. 907), Village - Ghoghara, Tehsil - Chitrangi, Dist. Singrauli (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 907), Village - Ghoghara, Tehsil - Chitrangi, Dist. Singrauli (MP) 1.90 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1013 dated: 18/02/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 2.48 ha., including this mine.

Earlier this case was scheduled for the presentation in 388th SEAC meeting dated 08.08.2019 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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

During presentation (in 392nd SEAC meeting dated 29/08/2019) as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees	04 Within lease	-	No tree cutting as submitted by PP.

Kachcha Road	>480	East	-
--------------	------	------	---

All mining operations will be undertaken by Semi-Mechanized Method by deploying machineries i.e. 01no.-JCB (3dx), 02 no., dumpers (TATA) etc. PP during presentation submitted that existing trees will not be up-rooted. Being a stone mine and two trees are in existence in the middle of the lease, PP shall submit the detailed plan, how these trees will be protected and mining operations will be carried out as per the submitted production plan with the approved mine plan.

PP has submitted the response of above quarries vide letter dated 26/09/2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 16,590 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.46 Lakh as capital and Rs. 2.89 Lakh/year. Under CER Rs. 0.75 lakhs/year has been proposed.

23. Case No. – 6456/2019 Shree Sunil Jatav S/o Shree Jamanalal Jatav, Village - Hatuniya, Tehsil - Sanwer, Dist. Indore, MP – 453771. Prior Environment Clearance for Murrum Quarry in an area of 4.00 ha. (14,362 cum per annum) (Khasra No. 413/1), Village - Hatuniya, Tehsil - Sanwer, Dist. Indore (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 413/1), Village - Hatuniya, Tehsil - Sanwer, Dist. Indore (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector Office letter No. 1060 dated: 29/09/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 392nd SEAC meeting dated 29/08/2019, wherein it was recorded from the Google image based on coordinates provided by PP that 03 High Tension (HT) lines are crossing the lease as the lease is situated near MPEB sub-station. PP submit that after leaving barrier zone sufficient area will be available for mining as this is case of Murrum mining where no blasting is proposed. Committee after deliberations asked PP to submit revised surface plan showing all the HT/LT lines and also to leave barrier zone on the both sides of the lines as per the existing norms. If any area is available after leaving barrier zone, same shall be proposed for mining. PP was also asked to produce relevant norms in this regard as per rules.

PP has submitted the response of above quarries vide letter dated 29/09/2019, which was placed before the committee wherein committee observed that due to HT/LT line Pp has submitted a revised surface map wherein 04.00 ha area, 01.45 ha area is left as non mining area and available minable area will be 2.55 ha., area. 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 Murrum 14,362 cum/annum.
2. 01.45 ha area shall be left as non mining area due to HT/LT line as per revised surface map submitted by PP.
3. A budgetary provision for Environmental management Plan of Rs. 8.55 Lakh as capital and Rs. 6.00 Lakh/year. Under CER Rs. 0.60 lakhs/year has been proposed.

24. Case No. – 6467/2019 M/s Shree Balaji Granite, 502, Satyam Residency Tower, Alkapuri, City Centre, Dist. Gwalior, MP Prior Environment Clearance for Stone (Gitti) Quarry in an area of 0.680 ha. (20,000 cum per annum) (Khasra No. 161/2, New No. 207), Village - Turakpura, Tehsil - Gwalior, Dist. Gwalior (MP).

This is case of Stone (Gitti) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 161/2, New No. 207), Village - Turakpura, Tehsil - Gwalior, Dist. Gwalior (MP) 0.680 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. QL-951 dated: 08/12/14 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 3.147 ha., including this mine.

The case was presented by the PP and their consultant in 394th SEAC meeting dated 31/08/2019, wherein PP stated that they have applied for considering their case as B-1 category but there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 3.147 ha., including this mine, hence, their case become B-2 category. The committee after deliberation decided to consider it as B-2 category.

During presentation as per Google image based on coordinates provided by PP, observed that the shed like structure are situated within the lease area and no other sensitive features were observed. After presentation the committee asked to submit following details:

- Some sheds are situated within the lease in the north- west corner of the lease PP shall be submit details of these structure and demolition plan as proposed during presentation.
- Area available at pit bottom for production of 20,000 cum/year stone in an area of 0.680 ha.
- Bench configuration with details.
- Legible copy of EC issued by DEIAA and status of its compliance.
- Under CER activity proposal for smart class, water filters in the affected village. .

PP has submitted the response of above quarries vide letter dated 30.09.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 20,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.23 Lakh as capital and Rs. 02.21 Lakh/year. Under CER Rs. 1.20 Lakh has proposed.

25. Case No. – 6468/2019 M/s Shree Balaji Granite, 502, Satyam Residency Tower, Alkapuri, City Centre, Dist. Gwalior, MP Prior Environment Clearance for Stone (Gitti) Quarry in an area of 0.732 ha. (20,000 cum per annum) (Khasra No. 51), Village - Berja, Tehsil - Gwalior, Dist. Gwalior (MP).

This is case of Stone (Gitti) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 51), Village - Berja, Tehsil - Gwalior, Dist. Gwalior (MP) 0.732 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. QL-61 dated: 17/06/15 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 3.147 ha., including this mine.

The case was presented by the PP and their consultant in 394th SEAC meeting dated 31/08/2019, wherein PP stated that they have applied for considering their case as B-1 category but there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 3.147 ha., including this mine, hence, their case become B-2 category. The committee after deliberation decided to consider it as B-2 category.

During presentation as per Google image based on coordinates provided by PP, wherein observed that the natural stream at a distance of >130 meters in the north- west side and no other sensitive features were observed within 500 meters of the lease area. After presentation the committee asked to submit following details:

- Area available at pit bottom for production of 20,000 cum/year in an area of 0.732 ha.
- Bench configuration with details.
- Legible copy of EC issued by DEIAA and status of its compliance.
- Revised plantation species remove species like Anar, santara and Papita.
- Under CER activity proposal for smart class, water filters in the affected village.

PP has submitted the response of above quarries vide letter dated 30.09.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee

decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 20,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.60 Lakh as capital and Rs. 02.05 Lakh/year. Under CER Rs. 1.20 Lakh has proposed.

26. Case No. – 6475/2019 Shri Rudra Pratap Singh, Bamhaur, Tehsil - Gunaur, Dist. Panna, MP – 488001 Prior Environment Clearance for Flag Stone Quarry in an area of 1.07 ha. (2,958 cum per annum) (Khasra No. 20), Village - Bachhaun, Tehsil - Pawai, Dist. Panna (MP).

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 20), Village - Bachhaun, Tehsil - Pawai, Dist. Panna (MP) 1.07Ha. 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. 2076 dated: 16/06/16 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.27 ha., including this mine.

During presentation (in 393rd SEAC meeting dated 30/08/2019) as per Google image based on coordinates provided by PP, committee observed that in the lease area a linear wall like structure is passing west to east direction through the lease area for which neither PP / consultant could not provide any satisfactory reply. PP was asked to submit report of Mining Officer / Tehsildar about the details of this structure for further appraisal of this case.

This case was placed before the committee for discussion as PP vide letter dated 07/09/2019 has submitted the reply of above raised query in 393rd SEAC meeting dated 30/08/2019. PP has submitted the requisite information in the prescribed format duly verified in the Collector Office letter No. 1578 dated: 03/08/2019 according to which there is not any linear wall like structure is passing through the lease which was supposed to be seen from Google image, for which the Mouka-Panchnama was carried out and the report of same has been annexed by PP.

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 Flag Stone 2,958 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.53 Lakh as capital and Rs. 2.44 Lakh/year. Under CER Rs 0.45 Lakh/ year has proposed.

27. Case No. – 6382/2019 Shri Naveen Singh Choudhary, Hanuman Colony, Dist. Guna, MP – 473001 Prior Environment Clearance for Murrum Deposit in an area of 2.00 ha. (7,500 cum per annum) (Khasra No. 13), Village - Ganeshpura, Tehsil - Guna, Dist. Guna (MP).

This is case of Murrum Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 13), Village - Ganeshpura, Tehsil - Guna, Dist. Guna (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. 3528 dated: 10/06/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.00 ha., including this mine.

Earlier this case was scheduled in 388th SEAC meeting dated 06/08/2019, Wherein As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
River	>250	East	-
Kachcha Road	>200	West	-

PP further stated that no blasting is proposed and only manual mining shall be carried out. After presentation the committee asked to submit following details:

- Revised plantation species as suggested by the committee.
- Revised CER, as suggested by the committee.
- Revised EMP with provision of safety belts.

PP has submitted the response of above quarries same date vide letter dated 07.09.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 Murrum 7,500 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.51 Lakh as capital and Rs. 1.15 Lakh/year and under CER Rs. 0.40 Lakh has proposed.

28. Case No. – 6383/2019 Shri Manish Singh Rajput, Kusmoda, Tehsil & Dist. Guna, MP – 473001 Prior Environment Clearance for Murrum Deposit in an area of 2.00 ha. (10,500 cum per annum) (Khasra No. 8/1/min-1), Village - Sakatpur, Tehsil - Guna, Dist. Guna.

This is case of Murrum Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 8/1/min-1), Village - Sakatpur, Tehsil - Guna, Dist. Guna 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. 3427 dated: 22/04/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled in 388th SEAC meeting dated 06/08/2019, Wherein As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
River	>400	East	-

Kachha Road	>10	West	-
-------------	-----	------	---

PP further stated that no blasting is proposed and only manual mining shall be carried out. After presentation the committee asked to submit following details:

- Revised plantation species as suggested by the committee.
- Revised CER, as suggested by the committee.
- Revised EMP with provision of safety belts.

PP has submitted the response of above quarries same date vide letter dated 07.09.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 Murrum 10,500 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.02 Lakh as capital and Rs. 1.17 Lakh/year and under CER Rs. 0.50 Lakh has proposed.

29. Case No. – 6262/2019 Shri Anish Mohammad Khan, Village - Mohgaon, Tehsil - Dhanora, Dist. Seoni, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 1.80 ha. (10,097 cum per annum) (Khasra No. 157), Village - Mohgaon, Tehsil - Dhanora, Dist. Seoni (MP)

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 157), Village - Mohgaon, Tehsil - Dhanora, Dist. Seoni (MP) 1.80 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. 724 dated: 25/05/18 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 379th SEAC meeting dated 04-07-19, during presentation as per Google image based on coordinates provided by PP, Following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Canal	>70 NE >250 South	Encircle the lease from North-West to South & North East	Provision of garland drain and settling tanks.
Settlement	>400	NE	Two row of plantations
Pucca Road	>500	SE to NE	

PP stated that crusher is also proposed in the south western corner of the lease. After presentation the committee asked to submit following details:

1. DSR approval letter.
2. Top soil management plan with their budget should be reflected in the project's EMP.
3. Location of proposed crusher should be depicted on surface map.
4. Commitment that no tree felling shall be done which are distinguished in the barrier zone
5. Proposal for 1800 plants within and pout side the lease.
6. Revised EMP & CER.

PP has submitted the response of above quarries same date vide letter dated 26.08.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 10,097 cum. / Annum.

2. A budgetary provision for Environmental management Plan of Rs. 10.615 Lakh as capital and Rs. 3.69 Lakh/year. Under CER Rs. 0.75 Lakh/ year has proposed.

30. Case No. – 6260/2019 Smt. Mamta Bisen, Nagihar, Sai Colony, Tehsil & Dist. Seoni, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 2.50 ha. (11,997 cum per annum) (Khasra No. 721), Village - Gorakhpurkala, Tehsil - Seoni, Dist. Seoni (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 721), Village - Gorakhpurkala, Tehsil - Seoni, Dist. Seoni (MP) 2.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1264 dated: 10/09/18 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 4.50 ha., including this mine.

The case was presented by the PP and their consultant in 380th SEAC meeting dated 05-07-19, during presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Natural Drain	80	East	-
Pucca road	45	North	Setback of 05 meters in the lease from road.
One house(labor house)	74	South	Protection plan is needed

After presentation PP was asked to submit following details:

- Protection plan for nearest habitation is to be proposed by the PP.
- Revised EMP by adding cost of water for dust suppression.

- Revised CER by adding name of villages where CER will be carried-out & project cost as suggested by the committee.
- Undertaking wind breaking wall shall be developed by PP as crusher is in lease area.
- Top soil management plan.

PP has submitted the response of above quarries same date vide letter dated 25.08.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 11,997 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.145 Lakh as capital and Rs. 3.04 Lakh/year. Under CER Rs. 0.75 Lakh/ year has proposed.

31. Case No. – 6329/2019 Shri Siddharth Paliwal S/o Shri Sushil Paliwal, Ward No. 22, Tehsil & Dist. Balaghat, MP – 480887 Prior Environment Clearance for Metal Stone Quarry in an area of 3.0 ha. (44,998 cum per annum) (Khasra No. 514/2 Part), Village - Parasiya, Tehsil - Seoni, Dist. Seoni (MP)

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 514/2 Part), Village - Parasiya, Tehsil - Seoni, Dist. Seoni (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. 2158 dated: 06/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 381st SEAC meeting dated 08-07-2019, during The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural stream	138	South	--
Kachcha road	>200	NW	--

PP further stated that no blasting is proposed and only manual mining shall be carried out. After presentation the committee asked to submit following details:

1. Revised CER by adding movable smart class and name of villages.
2. Revised plantation schemes.
3. Revised EMP with inclusion of dimension of Garland drain and settling tanks and surface map showing location of settling tanks and garland drains as per the contour.

PP has submitted the response of above quarries same date vide letter dated 26.08.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 44,998 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.32 Lakh as capital and Rs. 3.105 Lakh/year. Under CER Rs. 0.90 Lakh/ year has proposed.

32. Case No. – 6392/2019 Shri Vijay Mahore S/o Shri Sheetalprasad Mahore, Kukda Chiman, Dist. Chhindwara, MP – 480001. Prior Environment Clearance for Metal Stone Quarry in an area of 2.00 ha. (5,439 cum per annum) (Khasra No. 3/1, 383), Village - Khairimata, Tehsil - Chand, Dist. Chhindwara (MP).

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3/1, 383), Village - Khairimata, Tehsil - Chand, Dist. Chhindwara (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. 139 dated: 24/05/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in 386st SEAC meeting dated 06-08-2019, wherein as per Google image based on coordinates provided by PP it was recorded that the site is in valley having elevation difference of approx. 08 meters from North and 03 meters from South side and there is clear possibility of water inundation during heavy rains, thus PP should submit revised protection plan. After presentation PP was asked to submit following details for further consideration of this case.

1. Protection plan as site is in valley having elevation difference of approx. 08 meters from North and 03 meters from South side.
2. Top soil management plan with OB and waste management.
3. Revised land-use details are to be submitted
4. Revised EMP by adding revised cost of plantation (@250/tree within lease and 500/tree outside of lease boundary), road construction, No. of PPE's, revised dimensions of garland drain and settling tank.
5. Revised CER as suggested during presentation.
6. Location of crusher on Map with proposal of wind breaking wall around crusher

PP has submitted the response of above quarries same date vide letter dated 25.08.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 5,439 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 12.84 Lakh as capital and Rs. 2.55 Lakh/year. Under CER Rs. 2.74 Lakh for 5 years has proposed.

33. Case No. – 6381/2019 Shri Aditya Jain S/o Shri Surendra Jain, Gandhi Ward, Lakhnadon, Dist. Seoni, MP Prior Environment Clearance for Metal Stone Quarry in

an area of 2.650 ha. (25,000 cum per annum) (Khasra No. 311), Village - Kasai, Tehsil - Lakhnadon, Dist. Seoni (MP).

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 311), Village - Kasai, Tehsil - Lakhnadon, Dist. Seoni (MP) 2.650 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. 725 dated: 28/05/18 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine total area of 4.75 ha., including this mine.

The case was presented by the PP and their consultant in 388th SEAC meeting dated 08-08-2019, As per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
River	>70	West	30 meters set back from the River .
Kachha Road	10	East	Three rows of plantation.

PP stated that crusher is proposed within the lease and shall be installed 100 meters distance from the road. After presentation the committee asked to submit following details:

- Revised production map showing 30 meters set back from the river.
- Surface map showing location of crusher & settling tanks.
- Revised plantation species as suggested by the committee.
- Revised CER, where in proposal for construction of rooms in the village's school as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 25.08.2019, which was placed before the committee and the same found satisfactory. The EMP and other

submissions made by the PP were found to be satisfactory and acceptable, hence committee 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 25,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.54 Lakh as capital and Rs. 2.89 Lakh/year. Under CER Rs. 0.70 Lakh/ years has proposed.

34. Case No. - 5745/2018 M/s Virasha Infrastructure, Through Partner Shri Vivek Chauhan, 25-6, Walmi Road, Chunna Bhatti, Bhopal, (M.P.) – 462016. Prior Environment Clearance for Construction of Residential Project "Virasha Heights" on Khasra No. 401/4/1(kha), 401/4/2(kha), 401/2, 401/3, 401/4/4/4(gh), 401/4/3(ga), 401/4(ka), 401/4/3(kha), 400/2, 401/1 & 400/1), (Total Plot Area = 29914.72 sqm.) at Village - Banjari, Tehsil - Huzur & Dist. - Bhopal, (M.P.). Total Plot Area- 29914.72 m2 (2.99 Ha. Or 7.39 Acre) Total Built up Area – 44591.3 m2., Category: 8(a) Building & Construction Project. ENV Developmental Assistance Systems Pvt. Ltd, Lucknow (U.P.).

This is case of Proposed Residential Construction Project (Total Plot Area = 29914.72 sqm.) at Village - Banjari, Tehsil - Huzur & Dist. - Bhopal, (M.P.). Total Plot Area- 29914.72 m2 (2.99 Ha. Or 7.39 Acre) Total Built up Area – 44591.3 m2. Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in 331st SEAC meeting dated 25/10/2018, wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the it's a case of violation.

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

Construction Status: The project is a case of violation on account of not securing prior environment clearance before starting the construction activities at site. The construction work was started at site and before the application was submitted to MPSEIAA for grant of prior environmental clearance.

Type of dwelling units	Units proposed	Units completed	Units Incomplete/Not yet started	Possession Given	Percentage
Flats	384	288	96	140	
Duplex	24	7	17	7	
EWS/LIG	33	0	33	0	

Site Details:

S. No	Items	Details
1.	Type of Building	Residential
2.	Total plot area	29914.72 m ²
3.	Net plot area	29914.72 m ²
4.	Ground Coverage Details	Permissible Multiunit @40% Plotted @60% Proposed =11850.1 m²
5.	Permissible FAR	Permissible FAR @1.25 = 37393.4 sqm Proposed FAR Total – 37393.4 m ²
6.	Non- FAR details	Stilt = 6524.80 m ² Informal Sector = 673.1 m ²
7.	Total Built-up area	44591.3 m² including Non-FAR (MoEF)
8.	Open/ Park Area (Landscape)	3239.76 m² (10.83% of net plot area)
9.	Road and internal circulation space/ Paved area	12059 m²(40.31%)
10.	No. of Trees	Total no. of trees required: 1 Tree/ 100 m ² of Open Area = (Total Planning Area-Ground Coverage)/100 = 18064.6/100=181 Trees Proposed: 185 Trees
11.	No of units to be developed	No. of multi units: 384 Duplex : 24 EWS : 33
12.	No of multi dwelling units	8 Towers (16 Blocks)
13.	Height of Building	21 m
14.	Area Utilization	(S+6)
15.	Estimated Population (fixed + floating)	Multiunit:1920 (@ 5 person per unit) Duplex : 120 (@ 5 person per unit) EWS : 165 (@ 5 person per unit) Floating: 221 (10% of total population) Staff: 110 (5% of total population)
16.	Parking facilities	Required Parking as per T&CP=250 Vehicle spaces

		Visitors Parking @10% = 25 Vehicle spaces Total = 275 Vehicle spaces Provided: Stilt Parking = 217 Vehicle Space Open Parking =167 Vehicle Space Total Provided Parking = 384 Vehicle Space
17.	Power requirement &source	1896 kVA Source : MPMKVVCL, Bhopal
18.	Power Backup	1 DG sets of 165 kVA for common services
19.	Water Requirement and Source	Fresh water: 148 KLD Recycled treated water: 70 KLD Total water: 218 KLD Source: Municipal water supply
20.	Sewage Treatment and Disposal	Amount of waste water generated : 178 KLD STP Capacity: 270 KLD (~20% higher capacity) Technology: MBBR
21.	Solid Waste Generated	Domestic waste : 1554 kg/day Horticultural waste : 29 kg/day E- waste : <1kg/day
22.	Connectivity	Bhopal city as well as the proposed project site has a perfect central connectivity to India's all metro cities and other important markets. The proposed site is located 11 km from the Bhopal city and 8.5 km from NH-12 (Bhopal Bypass Road). Kolar road is 1.75 Km (West) and BRTS Corridor is 2.75 Km in east direction from project site. The nearest railway station is Misrod Railway and Habibganj Railway Station which are at an aerial distance of 2.5 km (S) and 5.5 km (N) from the project site respectively. The nearest airport is the Raja Bhoj International Airport, which is about 16 km (NW) from the proposed site. Apart from this, State Road Transport bus services provide regular and frequent connectivity to the people to and from Bhopal

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.
3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be

prepared as an independent chapter in the EIA report by the accredited consultant.

PP has submitted the EIA report vide letter dated 03/08/2019 which was forwarded through SEIAA vide letter no. 1900 dated 14/08/2019.

The case was scheduled for presentation but PP via e-mail dated 27.08.2019 requested for postponement of presentation due to some unavoidable condition, hence, he wouldn't able to present the case before SEAC and requested to scheduled this case in next upcoming SEAC meeting on 31/08/2019, which was considered by the committee and decided that if on 31/08/2019 time permits after all the scheduled presentation.

In the SEAC 394th meeting dated 31.08.2019 the case was scheduled for presentation, wherein EIA incorporating remediation plan and natural community resource augmentation plan was presented by the PP and their consultant with following details:

Chronology of the project:

- The application was submitted in MPSEIAA for environmental clearance on 13/11/2015.
- Project was appraised in 270th & 279th SEAC meeting dtd. 01.03.2016 & 2.07.2016 respectively.
- Our submitted documents stated that the construction activity has already been initiated at site. The Committee decided that it is a case of violation of provisions of EIA Notification 2006.
- The committee returned the application to MPSEIAA for credible action as per O.M. of MOEF & CC dated 12-12-2012.
- SEIAA vide letter no. 10091 dated 31/12/2015 has forwarded the case with documents pertaining to carryout site visit.
- A two member sub committee comprises Shri K. P. Nyati, Member SEAC , Shri Manohar K. Joshi, Member SEAC & Dr. Sunil Sudhakaran, Scientist, MPPCB visited the site on 09/06/2016 along with the PP and their consultant.
- Site visit report was discussed in 285th SEAC meeting dated 26/12/16 and file sent to SEIAA.

- Being a violation project, the authority was of the view to keep the projects in abeyance till finalization of draft notification by MoEF & CC , dated 10.05.2016, having direction to appraise the Violation cases.
- Ministry has issued notification S.O. 804 (E) dtd. 14.03.2017 providing guidelines to bring violation activities in compliance with environmental law at the earliest point of time.
- Considering the guidelines of MoEF & CC , EC application was rejected by MPSEIAA in SEIAA meeting .
- The EC application was again submitted to EAC (violation) MoEF &CC on 13th September 2017 For grant of ToR.
- Again the application was sent back to MPSEIAA considering the guidelines for appraisal as mentioned in S. O. 1030 (E) dated 08.03.2018.
- Project was listed for appraisal in 331st SEAC meeting dated 25.10.2018.
- ToR has been issued vide letter no. 374/PS-MS/MPPCB/SEAC/ToR(331)/2018 dated 07/12/2018.
- Baseline Monitoring period: December 2017-February 2018(Already done) One month validation monitoring was also done during December 2018 to January 2019 by a NABL accredited laboratory, RIMS New Delhi as per the instruction from the honorable committee.
- The case (EIA) was submitted online on 19th July 2019 & in hardcopy on 7 August 2019.
- Now the project is listed for appraisal on 30th August 2019.

Construction Status

1. The total land area of the project is 29,914.72 Sq.m. and the proposed built up area of the project is 44,591.5 Sq.m.
2. The Project consists of multi story housing and Duplexes with all the basic amenities. The construction work for the project is already initiated and approximately 65% civil

work has already been completed. As informed by the PP, 16 blocks are proposed out of which 08 are completed, 04 are incomplete (structure completed) and 04 blocks are yet to be constructed. Possession has been given for some of the flats. No construction activities were observed during site visit.

3. Only one Entry/exit is exists at this point in time for the project. Main entry /exits are through 12 m wide road and internal circulation roads are of 12 m, 7.5 m and 6 m width. Some internal roads have already been constructed. Peripheral plantation is present along the project boundary with approx. 100 plants.
4. Drainage pattern of the project is North-East of the project site towards Kaliyasot River. STP was found operational at the time of inspection.
5. For conflict free traffic and fire tender movement, arterial roads of 12 m, 7.5 m and 6 m are provided / proposed in the project. Circular roadway has been provided along the periphery of the project for movement of fire tenders. As per details provided by PP, Fire fighting equipments, such as wet risers and hose reels are proposed at site. Dedicated fire storage tanks of 25,000 liters capacity have been provided on the rooftop of the multistory buildings.
6. The water requirement for the residents will be sourced through the municipal supply. For treatment and recycling of treated water on site STP of capacity 270 KLD is installed and was found operational. STP tanks are installed below ground level and the machine room and pumps are installed on ground. Dual plumbing system has been provided for recycling of treated waste water.
7. Area for a 48 hours MSW collection & storage space has already been demarcated near the EWS area.
8. As per the information provided by PP, 03 Nos. of Rain Water Harvesting structures are proposed for the harvesting of roof top runoff water out of which 02 have been constructed. PP instructed to make arrangements for the flushing of first rain water to ensure that only clean water enters the recharge system.
9. As details provided by PP, 3239.76 Sq.m of area is dedicated for the landscaping purposes. PP has provided peripheral plantation.

10.PP also ensured to install energy saving appliances such as LED, CFL lightings in common areas with solar lights.

11. During site visit PP submitted the copy of online application filed for wild life clearance w.r.t Van Vihar National Park (a Notified PA) with proposal no. FP/MP/Others/611/2016.

12. During site inspection it was observed that Kaliasot River is just about the project boundary on the northern side boundary near entry gate. PP has developed garden and landscape area towards this side. PP was asked to develop thick green belt so that 33 meter distance could be maintained from the river and no construction activity should be under taken in this area.

Construction Status

S. No	Units details	Percentage construction
1	Residential units(Flats)	65%
2	Sewage Treatment Plant	Completed & Operational
3	Landscape/Plantation	100%
4	Road and internal circulation	70% Completed
5	Rain water Harvesting Pits	2 nos. of RWH pits already constructed

Occupancy Details

Type of dwelling units	Units proposed	Units completed	Units Incomplete/Not yet started	Possession Given

Flats	384	250	134	110
Duplex	24	7	17	7
EWS/LIG	33	0	33	0

PP further stated that total 08 towers (16 blocks) in which 384 number of Flats , Duplex: 24 and EWS: 33 are proposed. At present 65% work of residential units (Flats) has been completed also possession of 110 flats and 07 duplex have been given. The height of the building is 21 meters is proposed.

In the SEAC 394th meeting dated 31.08.2019, after presentation and discussions it was observed by the committee that the remediation plans and natural community resource augmentation plan submitted by PP needs to be revised as suggested by committee. PP was asked to submit following information:

1. Re-assess the cost of remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation as suggested by the committee. The cost shall be bifurcated in capital and recurring of both the phases as construction & operation phase. It should also be noted that all the compliance shall be supported by documentary proofs, such as bills, CA audit, certificates, photographs etc.
2. An undertaking that -
 - ii. The area is developed as per the approved master plan.
 - iii. No tree cutting was carried out during execution of this project.
 - iv. 100 % solid waste generated during construction is reused and no waste /debris are in existence on site at present.
 - v. No issue pertaining to R&R and land ownership is pending.
 - vi. Commitment of PP regarding no tree felling is being done for construction activity.
 - vii. No GW was extracted during construction & operation of project.
 - viii. During construction phase RMC was used with its documentary evidence (bills copy to be annexed).
 - ix. Entire top soil was used for plantation & land scape development and no top soil was wasted.
 - x. No DG sets were used during construction phase along with electricity bills.
3. Utilization- wise Land Use details as per approved T& CP approved layout.

4. Exact details of possession given.
5. Present drawl of fresh water
6. Details of STP with outlet clearance.
7. Details of present scenario of ETP/MSW/ water consumption.

PP vide their letter dated 27.09.2019 (received at SEAC on 29.09.2019) submitted the revised remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee, with the supported by documentary proofs, such as bills, CA audit, certificates, photographs, prescribed various undertakings.

The revised remediation plan is as given below:

S. No	Environment Management guidelines prescribed by EAC/SEIAA/SEAC	Mitigation Measures followed	Remediation Measures required	Estimated budget of Remediation (INR Lakh)		EMP Cost (INR Lakh)		Remarks
				Capital Investment	Recurring Expenditure/Year	Capital Cost	Recurring Cost (per annum)	
1	2	3	4	5	6	7	8	9
1.	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 project proponents have obtained all the necessary permissions.	Guidelines followed. No remediation measures required.	Not Required	Not Required	-	-	The project is classified residential as per the Bhopal Master Plan 2005, thus no violation. T&CP Permission and other

	the local building byelaws.							related documents are attached as Annexure I
2.	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing and horticulture. Excess treated water will be discharged to Municipal Drain.	STP of 270 KLD is already installed at site and is commissioned since March 2014.	Guidelines followed. No remediation measures required.	Not Required	Not Required	60	6	Water conveyance lines for recycled water on all the laterals and roads have been laid STP completion certificate along with monitoring report is attached as Annexure-II
3.	Adequate provision for storage and recharge should be followed.	2 nos. RWH structures are present at site and 1 no. RWH structure proposed is to	Guidelines followed.	7	-	17	1	Recharge pits are already in place. RMC cost approx.

		be provided. Collection and transportation required for roof top rainwater is present.						54 lacs. Photographs of RWH pits and RMC bills are attached as Annexure-III
4.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Spaces shall be provided for solid waste management within the premises. The inert waste from group housing project will be sent to dumping site.	PP has earmarked an area for municipal solid waste collection inside the project premises near the STP.2 different colored containers are provided for the source segregation of the municipal solid waste material. Color coded plastic bins have been installed on each floor for collection	Guidelines followed. Solid waste management infrastructure will be strengthened.	Not Required	Not Required	20	8	Photographs of colored bins and bills are attached as Annexure-IV

		of waste from the occupants. Municipal Corporation Bhopal ensures the timely disposal of waste material on the paid basis. NOC for garbage disposal has already been procured.						
5.	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, bioswales, landscape, and other sustainable urban drainage systems (SUDS) are allowed	Natural drainage of the project site has been maintained ensuring unrestricted flow of water. Minimal cutting and filling were required for the project.	Guidelines followed. Construction of culverts for proper drainage.	10	-	25	-	Photographs attached as Annexure-V

	for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.							
6.	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/	The projectwhile in construction phase was adequately barricaded so as to reduce the spread of the particulate matter.	No Remediation measures required.			1	-	In all future construction also dust suppression measures shall be implemented. Photographs attached as Annexure VI

<p>wind breaking walls all around the site. Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site.as well as taking out debris from the site. Sand, murrum, loose soil,cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall beprovidedfor grinding and stonecutting. Unpaved surfaces and loose soilshall be adequatelsprink ledwithwaterto suppress dust.</p>							
---	--	--	--	--	--	--	--

7.	All construction and demolition debris shall be stored at the site (and 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. 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	All construction and demolition debris were stored on designated location with proper covering via tarpaulin sheets. The waste were managed and were in accordance to Construction and Demolition Waste Rule 2016	Guidelines followed. No remediation measures required.	Not Required	Not Required	-	-	Transportation Bills are attached as Annexure-VII
----	--	---	--	--------------	--------------	---	---	--

	dust mask.							
8.	Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure. The housing may be in the form of temporary structures to be removed after the completion of the project.	All the necessary arrangements were made for the wellbeing of the construction workers until now.	Guidelines followed	Not Required	Not Required	-	-	Labours were mostly from local area for few from outside provision for labour huts were provided. For further construction work, provision shall be made for temporary Housing of labourers. Photographs Enclosed as Annexure-VIII
9.	At least 15% of the open spaces as required by the local building bye-laws shall be	Peripheral plantation, plantation in the open areas/park shas already	Grass Pavers & Paver Blocks along with pathway plantation in	8	Not Required	30	-	All the plantation has been done. PP has

	<p>pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.</p>	<p>been provided. Dedicated green area for landscaping and peripheral plantation in the project is approximately 15% of the total land area. Individual green patches are also provided inside the duplex boundaries. Kaliasot River is just about the project boundary on the northern side boundary near entry gate. PP has developed garden and landscape area towards this side. Also a thick green belt is being developed so that 33 meter distance could be maintained</p>	<p>additional space.</p>					<p>developed garden and landscape area towards this side. Also a thick green belt is being developed so that 33 meter distance could be maintained as suggested by SEAC. Photographs and bills of plantation material are attached as Annexure -IX</p>
--	---	---	--------------------------	--	--	--	--	---

		from the river and no construction activity is being under taken in this area.						
10.	Outdoor and common area lighting shall be LED. 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	LEDs/ CFLs are provided in common Areas to reduce the electricity consumption.	Remediation measures required.	1	Not Required	2	0.10	LEDs are provided in common areas to reduce the electricity consumption. Bills are attached as(Annexure- X)

	ECBC specifications.							
11.	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.	Water saving fixtures has been used in the building in order to conserve water.	Guidelines followed No remediation measures required.	Not Required	Not Required	-	-	Photographs and bills are attached as Annexure -XI
12.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc.	Color coded recycled water lines (dual plumbing) are provided in the multi storied buildings only and in the green areas for flushing and irrigation use. Color coded treated water storage tanks are installed on the top of	Guidelines followed Dual plumbing lines will also be provided in yet to be constructed duplexes & other blocks.	3	Not Required	40	5	Photographs are attached as Annexure -XII

	shall be done.	each block to facilitate dual plumbing. Recycled water lines are marked with sinages.						
13.	A First Aid Room shall be provided in the project both during construction and operations of the project.	A first Aid room shall be provided	Remediation measures required.	1	Not Required	6	3	First aid room shall be provided for labours to provide first aid in case of minor injuries during the construction period. It will also be maintained during operation phase.
14.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external	Topsoil stockpiled has been reused for plantation of the green area. Ground breaking has already been	Guidelines followed. No Remediation measures required.	Not Required	Not Required	-	-	It was ensured that all the topsoil was reused in Landscap

	services. It Should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	completed.						e developm ent at the project site. Bill enclose d Annexur e-VII
15.	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.	Muck generated during the construction phase did not create any problem for neighboring communities and were disposed off taking necessary precautions.	Guidelines followed. No remediation measures required.	Not Required	Not Required	-	-	The constructi on site was equipped with modern equipmen ts for loading, unloading and wire nets, helmets, gloves, boots and safety belts for workers. Bill enclose d Annex ure-VII
16.	The diesel	No Diesel	Guidelines	Not	Not	1	-	RMC

	generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed or Air and noise emission standards.	Generator set was used.	followed. No remediation measures required.	Required	Required			Cost is attached as Annexure-III
17.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Water demand during construction was reduced by use of pre-mixed concrete and other best practices.	Guidelines followed. No remediation measures required.	Not Required	Not Required	-	-	RMC cost is attached as Annexure-III
18.	As proposed, no ground water shall be used during construction phase of the project.	No ground water was used during the construction.	Guidelines followed. No remediation measures required.	Not Required	Not Required	-	-	Tankers were used for water during construction phase. Tanker bills of approx. 23lacs

								are attached as – Annexure XIII
19.	The approval of the Competent Authority shall be obtained for Structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.	Approval from competent authority has been obtained.	Guidelines followed. No remediation measures required.	Not Applicable	Not Applicable	20	1	Fire extinguisher of different Categories installed in the premises. Bills of consultant & material (Annexure -XIV)
20.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approval of the State	Hazardous waste generated during the construction phase were disposed off as per applicable norms.	Guidelines followed. No remediation measures required.	Not Required	Not Required	-	-	No, as RMC was used during the construction phase.

	Pollution Control Board.							
21.	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.	Vehicles carrying the construction material had pollution under check certificates and complied to the emission norms.	Guidelines followed. No remediation measures required.	Not Required	Not Required			It was ensured all trucks carrying construction material were covered. Transportation Bills Available (Annexure VII)
22.	Ambient noise levels shall conform to residential standards both during Day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality	Ambient noise levels conform to the residential standards for both day and night.	Guidelines followed. Monitoring will be done and cost is given in point no.24.	-	-			Noise and vibration control and monitoring shall also be ensured in all future construction.

	shall be closely monitored 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.							
23.	<ul style="list-style-type: none"> • The road system can be designed with these basic criteria. • Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. • Traffic calming measures • Proper design of entry and exit points. • Parking 	Roads have been designed with due consideration for environment and safety of the user.	<p>Guidelines followed.</p> <p>No remediation measures required.</p>	Not Required	Not Required			<p>Parking and Roads as per approved plan. Photos, RMC bills(Annexure III)</p>

	norms as per local regulation							
24	Environmental Quality Monitoring	For baseline monitoring of air, water, soil and noise.	-	1	-	-	2	No monitoring at the preconstruction stage. Thus remedial cost considered as recurring cost when construction starts.
Total Cost (in lakhs.)				31.00		222.00	26.10	

Thus, as above, PP has proposed Rs. 222.0 Lakhs in EMP out of which the recurring cost is Rs. 26.1 Lakhs /Year has proposed. Rs. 31.00 Lakhs is proposed as remediation Cost for this project and PP, M/s. Virasha Infrastructure, Bhopal has proposed to submit bank guarantee of INR Rs. 31.00 Lakhs towards Remediation Plan. Committee after considering the reply recommends that PP may be asked to deposit the bank gurantee (BG) with three years validity of Rs. 31.00 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution

control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

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 Environment Clearance for Construction of Residential Project "Virasha Heights" on Khasra No. 401/4/1(kha), 401/4/2(kha), 401/2, 401/3, 401/4/4/4(gh), 401/4/3(ga), 401/4(ka), 401/4/3(kha), 400/2, 401/1 & 400/1), (Total Plot Area = 29914.72 sqm.) at Village - Banjari, Tehsil - Huzur & Dist. - Bhopal, (M.P.). Total Plot Area- 29914.72 m² (2.99 Ha. OR 7.39 Acre) Total Built up Area – 44591.3 m²., Category: 8(a) Building & Construction Project, subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 31.0 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

Statutory Compliance

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

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. Diesel power generating sets 1 x 165 kVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG set 1 x 165 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement is 218 KLD out of which 148 KLD is fresh water requirement and 178 KLD will be the total waste water generated. 70 KLD water will be recycled within the complex for flushing.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor 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, 03 recharge pits will be constructed for rain water harvesting and 05 pits for surface runoff.
- xiv. Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xv. 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.
- xvi. All recharge should be limited to shallow aquifer.
- xvii. No ground water shall be used during construction phase of the project.
- xviii. 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.
- xix. 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.
- xx. Sewage shall be treated in the MBBR based STP (Capacity - 270 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.
- xxi. The waste water generated from the project shall be treated in STP of 270 KLD (20 % higher 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.
- xxii. No sewage or untreated effluent water would be discharged through storm water drains.
- xxiii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiv. 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

- iv. 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.

- v. 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.
- vi. 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. Energy Conservation Techniques can be considered as Space Cooling: External shading prevents solar radiation from entering into the buildings and reduces the cooling load, results to better control of overheating and indoor temperatures. Space cooling load may be reduced by 30% due to proper shading.
- iv. Thermal insulation of buildings external walls and roof reduces the cooling load and improves indoor thermal comfort conditions by lowering heat gains through the building's envelope. Energy consumption in insulated buildings may be 5–30% less than in non-insulated buildings.
- v. Domestic hot water: Solar collectors reduce the annual energy consumption for domestic hot water production by lowering the load covered by electrical or thermal heating. Energy consumption in buildings with solar collectors may be 60–80% less than in buildings with electric heaters.
- vi. 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.
- vii. Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste Management

- i. Total domestic waste generated 1554 Kg/day, Horticulture Waste - 29 Kg/day, E-Waste - <1.0 Kg/Day and these 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 185 trees shall be planted and 3239.76 sq. m² area shall be developed as Open area/ Landscape area.
- ii. No tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).

- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- vi. 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
- vii. 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.
- viii. Total proposed Parking's arrangement as proposed for 384 Vehicle Space @ 100 m² / ECS, in which space available for stilt parking = 217 vehicle space and Open Parking = 167 Vehicle space .
- ix. 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

- x. 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.
- xi. For indoor air quality the ventilation provisions as per National Building Code of India.
- xii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- xiii. 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.
- xiv. Occupational health surveillance of the workers shall be done on a regular basis.
- xv. 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. PP has proposed Rs. 222.0 Lakhs capital cost and Rs. 26.11 Lakh/Year as recurring cost for EMP of this project
- vi. The PP M/s. Virasha Infrastructure Bhopal has proposed to submit bank guarantee of INR 31.00 Lakh towards Remediation Plan /Restoration Plan.
- vii. For this project PP has proposed 2% of project cost Rs 13.0 Lakh as Corporate Environment Responsibility (CER) .

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.

35. Case No. - 5689/2018 M/s Man Developments, G-9, Man Heritage, 6/2, South Tukoganj, Indore, (M.P.) – 452001 . Prior Environment Clearance for Group Housing Project "Royal Amar Greens" Khasra Nos. 37/1/2, 38/1, 38/2 min 1, 38/2 min 2, 38/2 min 3, 38/2 min 4, 38/2 min 5, 39/1/1, 39/1/2, 39/1/3, 39/2 min 1, 39/2 min 2, 39/2 min 3, 39/2 min 4, 39/2 min 5, at Village - Niranjanpur, Tehsil - Indore, Distt. - Indore, (M.P.), Total Plot Area: 20,350.0 sqm, Net Plot Area: 19405.0 sqm, Built-up Area: 67100.423 sqm, Built-up Area Constructed: 39843.55 sqm. Cat. - 8(a) Building and Construction Projects. EIA Presentation. Env. Con. – EQMS, Delhi.

This is case of Prior Environment Clearance for Group Housing Project "Royal Amar Greens" Khasra Nos. 37/1/2, 38/1, 38/2 min 1, 38/2 min 2, 38/2 min 3, 38/2 min 4, 38/2

min 5, 39/1/1, 39/1/2, 39/1/3, 39/2 min 1, 39/2 min 2, 39/2 min 3, 39/2 min 4, 39/2 min 5, at Village - Niranjapur, Tehsil - Indore, Distt. - Indore, (M.P.), Total Plot Area: 20350.0 sqm, Net Plot Area: 19405.0 sqm, Built-up Area: 67100.423 sqm, Built-up Area Constructed: 39843.55 sqm. Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

This case was scheduled in 319th SEAC meeting dated 22/06/2018 wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation. After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories. The TOR for violation was recommended by the committee. (For details please refer the minutes of 319th SEAC meeting dated 22/06/2018). PP has submitted the EIA report vide letter dated 24/12/2018 which was forwarded through SEIAA vide letter no. 1893 dated 29/12/2018.

This case was scheduled for the appraisal of EIA submitted by PP in 339th SEAC meeting dated 29/01/2019. However, PP vide letter dated 22/01/2019 has requested to remain absent as due to ill health. Committee considering the request of PP decided to call him in subsequent meetings of SEAC.

In the 350th SEAC meeting dated 15-03-2019 this case was scheduled for EIA presentation wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 339th SEAC meeting dated 29/01/2019. 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 scheduled in 359th SEAC meeting dated 10-04-2019, wherein EIA incorporating remediation plan and natural community resource augmentation plan was presented by the PP and their consultant with following details:

The salient features of the project area as:

- M/s Chugh Realty has planned a group housing project “Grande Exotica” which is spread over area of 6.59 Acres i.e. 26,660 m² located at Village Bhicholi Mardana, Tehsil & District Indore, and Madhya Pradesh.
- Chug Realty has joint development agreement with the land owner for carrying out the development of residential project at the site in accordance to the approved plan from T&CP.
- Land belongs to Smt. Rupali w/o Mr. Laxmikant Khemka and Smt. Ritu W/o Neeraj Singhal.
- Approval has been obtained from T&CP, Madhya Pradesh in 2013 for development of the project.
- Project comprises of 8 nos. of residential blocks (S+10), club house, multipurpose hall, green area and other allied facilities and will have built-up area of 102251.3 sq m. till date 93124.8 sq m of built-up area is constructed.

Area Summary

Particulars	Area Constructed (sq m)	Area to be Constructed (sq m)	Total Area (sq m)
Total plot Area		20350	
Area Under Road Widening		945	
Net Plot Area		19405	
Permissible Ground Coverage (@33% of net plot area)		6403.65	
Proposed Ground Coverage (@32.99% of net plot area)	3503.79	2898.86	6402.65
Permissible FAR (@1.5 of net plot area)		29107.5	
Incentive FAR (@2X1.5 of area surrender)		2835	
Total permissible FAR (@1.646 of net plot area)		31942.5	
Proposed FAR (@1.639 of net plot area)	20644.61	11172.8	31817.41
Non FAR Area	6423.25	9126.74	15549.993
EWS	0	727.69	727.69
LIG	0	3194.25	3194.25

Stilt	3780.19	3035.39	6815.58
Basement	8995.5	0	8995.5
Built-up Area	39843.55	27256.873	67100.423
Green Area (@17% of net plot area)	2136	1144	3280
Height of building	18 m		

Chronology and Details of Violation

- A letter dated 1.1.2016 was sent by SEIAA to SEAC to conduct site visit to know status of construction at the site and the site visit was conducted by SEAC in February, 2016 and SEAC reported the status of construction at the site in its 277th meeting and send it to SEIAA for further action.
- SEIAA took up the case in 345th meeting and suggested to keep project on abeyance due to MoEF&CC draft notification dated 10.05.2016 related to violation cases.
- All the violation cases were declared on abeyance again by SEIAA in 352nd meeting and closed all the violation cases in its 417th meeting held on 20.03.2017.
- Then application for grant of environment clearance was submitted to MoEF&CC as per MoEF&CC Notification 804 (E) dated 14.03.2017. Thereafter MoEF&CC has issued amendment SO 1030 dated 8th March, 2018 and has directed that Category B projects involving violation will be appraised at State Level and all the category B proposals will be transferred to SEIAA. In view of this MOEF&CC transferred our project to SEIAA, MP on 28th March, 2018.
- ToR was granted to the project by SEAC/SEIAA, M.P. vide letter no 207/PS-MS/MPPCB/SEAC/TOR(319)/2018 dated 10/7/2018. EIA for the project was submitted on 24.12.2018.

BUDGET: ENVIRONMENTAL COST

Cost incurred for Environment Management till date during Construction and Operation Phases:

S. No.	Particulars	Budget (INR)	Status
Construction Period: 3 years/1095 days			
1.	Air Environment • Water sprinkling: At loading & unloading areas, internal temporary roads (@ 1 tankers/week) @ INR 300 Rs for 7500 litre tanker: 735 days excluding monsoon in 3 years of construction	7,66,500 31,500 1500	Already incurred completely

	<ul style="list-style-type: none"> • Sprinkling Nozzle: 3 nozzles (@ INR 500) • Booster pump of 1 HP • Water pipeline (hose)- 100 m of 3-4 m dia. • Water Tank (1 nos. of 7500 liters = INR 30,000) • Labour Cost • Covered Loose Material storage sheds with paved surface and tarpaulin sheets • Green Nets for Building (@INR 15/sq m): 13000 sq m • Wind breakers/ Site barricading- 560 m for 10 feet height (@INR 800 /rmt -10 feet) 	<p>5500</p> <p>5000</p> <p>30,000</p> <p>Inclusive in salary of construction labour</p> <p>50,000</p> <p>1,95,000</p> <p>4,48, 000</p>	
2.	<p>Construction Waste Management</p> <ul style="list-style-type: none"> • Dustbins (@ INR 2000 for 15 dustbins) • Labour Cost • Safety tapes for barricading the waste storage area • Agencies' fee for waste collection & disposal- 3 years 	<p>3,85,000</p> <p>30,000</p> <p>Inclusive in salary of construction labour</p> <p>5,000</p> <p>3,50,000</p>	Already incurred completely
3.	<p>Noise Management</p> <ul style="list-style-type: none"> • Site barricading- 560 m for 10 feet height (@INR 800 /rmt -10 feet) • Machinery with inbuilt silencers/noise mufflers • No working between 	<p>Nil</p> <p>4,48,000 (considered in air environment)</p> <p>Cost included in construction machinery</p> <p>No cost</p>	Already incurred completely

	8:00 PM to 9:00 AM		
4.	<p>Water Quality Management</p> <ul style="list-style-type: none"> Toilets-2 nos. and cost of septic Tank & soak Pit Toilet maintenance and cleaning Sand bags for controlling & diverting the curing flow and rainfall flow and minimizing silt generation STP of 225 KLD constructed for operation phase sewage management Construction of RWH Pits-1 nos and storm water drains 	<p>50,40,000</p> <p>2,00,000</p> <p>30,000</p> <p>10,000</p> <p>45,00,000</p> <p>3,00,000</p>	<p>Already incurred completely</p>
5.	<p>Occupational Health and Safety of construction worker</p> <ul style="list-style-type: none"> First aid kits at site Personal Protective equipment-helmet, safety shoes & safety jackets Medical aids as and when required to construction labour 	<p>2,70,000</p> <p>20,000</p> <p>2,00,000</p> <p>50,000</p>	<p>Already incurred completely</p>
6.	<p>Ecological Environment</p> <ul style="list-style-type: none"> Development of Green Area (3280 sq m) and tree plantation. This includes peripheral plantation, road side plantation, lawn, trees planted and planters provided No tree was cut as site was devoid of trees 	<p>4,00,000</p> <p>4,00,000</p>	<p>Already incurred completely</p>

7.	<p>Disaster Management</p> <ul style="list-style-type: none"> • Earthquake resistant structure as per NBC Requirement • Fire-fighting system as per NBC and Local fire office requirement and obtained fire NOC 	Cost included in construction cost	Already incurred completely
A. Cost Incurred during Construction Phase of Existing Structures			1,28,58,000
Construction Period: 3 years/1095 days (For Remaining area)			
8.	<p>Air Environment</p> <ul style="list-style-type: none"> • Water sprinkling: At loading & unloading areas, internal temporary roads (@ 1 tankers/week) @ INR 300 Rs for 7500 litre tanker: 735 days excluding monsoon in 3 years of construction • Green Nets for Building (@INR 15/sq m): 6500 sq m • Air masks (@INR 100-100 Pcs) • Air Quality Monitoring every six-monthly during construction (twice in year for 3 years) @ INR 5000 at project site • Vehicle inspection camp (@INR 20,000/yr for 3 years) 	<p>2,29,000</p> <p>31,500</p> <p>97,500</p> <p>10,000</p> <p>30,000</p> <p>60,000</p>	To be Incurred
9.	<p>Noise Environment</p> <ul style="list-style-type: none"> • Ear Plugs (@ INR 50 -100 Pc) • Noise Monitoring (once in six months for 24 hourly at 2 locations within site) @ INR 1000 per sample 	<p>17,000</p> <p>5,000</p> <p>12,000</p>	To be Incurred

10.	Construction Waste Management <ul style="list-style-type: none"> Labour Cost Agencies' fee for waste collection & disposal- 3 years 	2,25,000 Inclusive in salary of construction labour 2,25,000	To be Incurred
11.	Water Quality Management <ul style="list-style-type: none"> Toilet maintenance and cleaning STP of 100 KLD constructed for operation phase sewage management Construction of RWH Pits-3 nos and storm water drains Water Quality Monitoring at project site (once in six months) @ INR 5000/sample 	29,60,000 30,000 20,00,000 9,00,000 30,000	Already incurred completely
12.	Disaster Management <ul style="list-style-type: none"> Earthquake resistant structure as per NBC Requirement Fire-fighting system as per NBC and Local fire office requirement and obtained fire NOC 	Cost included in construction cost	To be incurred
13.	Soil Environment <ul style="list-style-type: none"> Soil Quality Monitoring (twice in year for 2 years) @ INR 5000 at project site 	30,000	To be Incurred
B. Cost to be Incurred during Construction Phase of Remaining Structures			34,61,000
Operation Phase- 2 Years (Already incurred for the project area developed)			
S. No.	Activity	Expenditure Incurred (2 years period)	Status
1.	Operation Phase Waste	6,38,370	

	<p>Management</p> <ul style="list-style-type: none"> • Dustbins for common areas-20 nos. @ INR 3000 + recurring cost • Municipal Authority for Waste management (@ 0.3 p/kg) • STP sludge disposal through municipal authority (@ INR 3500 PM for 2 years) 	<p>60,000 + 6000 = 66,000</p> <p>4,88,370</p> <p>84,000</p>	<p>Already Incurred Completely</p>
2.	<p>Operation Phase Water Quality Management</p> <ul style="list-style-type: none"> • STP operation and maintenance and treated water quality monitoring by agency (15000/- PM) • Water supply network maintenance & cleaning (@ 20,000 every six months for 2 years) • Maintenance & cleaning of RWH system (@ 30,000 every six months for 2 years) 	<p>9,12,000</p> <p>3,60,000</p> <p>80,000</p> <p>1,20,000</p>	<p>Already incurred completely</p>
3.	<p>Green Area Maintenance</p> <p>Maintenance of Green Area (3280 sq m) and trees planted (salary + expenditure on green area maintenance)</p>	<p>6,00,000</p>	<p>Already incurred completely</p>
<p>C. Cost Incurred Till Date During operation Phase</p>			<p>21,50,370</p>
<p>Total Cost Incurred towards environment protection (A+C) = 1,50,08,370</p>			
<p>Cost To be Incurred for environment protection for Remaining Structures = 34,61,000</p>			

Cost not considered during construction and operation and will be proposed as remediation cost

Construction Phase	
Air Environment	70,000
<ul style="list-style-type: none"> • Air masks (@INR 100-100 Pcs) • Air Quality Monitoring every six-monthly during construction (twice in year for 2 years) @ INR 5000 at project site • Vehicle inspection camp (@INR 20,000/yr for 2 years) 	<p>10,000</p> <p>20,000</p> <p>40,000</p>
Noise Environment	13,000
<ul style="list-style-type: none"> • Ear Plugs (@ INR 50 -100 Pc) • Noise Monitoring (once in six months for 24 hourly at 2 locations within site) @ INR 1000 per sample 	<p>5,000</p> <p>8,000</p>
Water Environment	20,000
<ul style="list-style-type: none"> • Water Quality Monitoring at project site (once in six months) @ INR 5000/sample 	
Soil Environment	20,000
<ul style="list-style-type: none"> • Soil Quality Monitoring (twice in year for 2 years) @ INR 5000 at project site 	
Total Construction Phase	1,23,000
Operation Phase	
<ul style="list-style-type: none"> • Air Quality Monitoring every six-monthly during construction (twice in year for 2 years) @ INR 5000 at project site 	20,000
<ul style="list-style-type: none"> • Noise Monitoring (once in six months for 24 hourly at 2 locations within site) @ INR 1000 per sample 	8,000
<ul style="list-style-type: none"> • Water Quality Monitoring at project site (once in six months) @ INR 5000/sample 	20,000
<ul style="list-style-type: none"> • Soil Quality Monitoring (twice in year for 2 years) @ INR 5000 at project site 	20,000
Total Operation Phase	68,000
Total	1,91,000

After presentation and discussions it was observed by the committee that the remediation plans and natural community resource augmentation plan submitted by PP needs to be revised as suggested by committee. PP was asked to submit following information:

1. Re-assess the cost of remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation as suggested by the committee. The cost shall be bifurcated in capital and recurring of both the phases as construction & operation phase. It should also be noted that all the compliance shall be supported by documentary proofs, such as bills, CA audit, certificates, photographs etc.
2. An undertaking that
 - i. The area is developed as per the approved master plan.
 - ii. No tree cutting was carried out during execution of this project.
 - iii. 100 % solid waste generated during construction is reused and no waste /debris are in existence on site at present.
 - iv. No issue pertaining to R&R and land ownership is pending.
 - v. Commitment of PP regarding no tree felling is being done for construction activity.
 - vi. No GW was extracted during construction & operation of project.
3. Utilization- wise Land Use details as per approved T& CPO Plan.
4. Proposed Energy conservation plan.
5. Contour map of the project site with depiction on map that the storm/natural water of surrounding area is flowing according to surface topography.
6. STP's Physical & Financial implication with photographic proofs.

PP vide their letter dated 17.09.2019 (which was received at SEAC section on dated 18.09.2019 the revised remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation in the tune of suggested guidelines by the committee, with the supported by documentary proofs, such as bills, CA audit, certificates, photographs, prescribed various undertakings and CER.

In this meeting the case was scheduled for presentation of revised Remediation Plan wherein the PP and their consultant presented the same. Project site is spread over 20350 sq m (5.028 acres) and will have built-up area of 67100.423 sq m. Project comprise of 4 blocks comprising of 11 residential towers, EWS & LIG housing and club along with allied facilities, till date 6 no. of towers are constructed and built up area of 39843.55 sq. m. is constructed. Also till date 434 flats have been constructed out of which possession given to the 212 flats and 140 flats have been occupied.

The revised Remediation Plan submitted by PP is as follows:

S. No.	Environmental Factors/Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost	
1	Land use as per approved Master plan by TNCP, Indore(LU)							
	Construction Phase	No Violation	--	--	--	--	--	Land use of the project site was agricultural and diversion was obtained for the land for establishment of residential project. Diversion document is attached as Annexure 1 . Land use of the site as per Master Plan of Indore, 2021 is Residential. Master Plan of Indore showing project site location is given in Annexure 2 .
	Operation Phase	No Violation	--	--	--	--	--	
2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							
	Construction Phase	No Violation	--	--	--	--	--	Project involves no R&R issues. Land has been purchased from land owners. Land leased documents are given in Annexure 3 . Amardeep Builders and M/s Man Developments have entered into a ratio joint development agreement for the development of the
	Operation Phase	No Violation	--	--	--	--	--	

								project
Baseline Environment Monitoring								
3	Construction Phase	<p>For monitoring of air, water, soil & noise every six month for period of three years</p> <p>1. Water: 2 GW sample @ 5000/sample, 2 SW sample @ 5000/sample</p> <p>2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 7500/sample</p> <p>3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample</p> <p>4. Soil: 2 sample @ 4000/sample</p>	--	231000	<p>For monitoring of air, water, soil & noise every six month</p> <p>1. Water: 2 GW sample @ 5000/sample, 2 SW sample @ 5000/sample</p> <p>2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 7500/sample</p> <p>3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample</p> <p>4. Soil: 2 sample @ 4000/sample</p>	--	97000	No environment monitoring was done at site. Therefore, cost has been included in Remediation Cost

	<p>Operation Phase</p>	<p>For monitoring of air, water, soil & noise every six month for period of four years 1. Water: 2 GW sample @ 5000/sample, 2 SW sample @ 5000/sample, STP inlet & outlet water sample @ 10000/sample 2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample</p>	<p>--</p>	<p>468000</p>	<p>For monitoring of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sample, 2 SW sample @ 5000/sample, STP inlet & outlet water sample @ 10000/sample 2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 5000/sample 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample</p>	<p>--</p>	<p>117000</p>		
<p>4</p>	<p>Air Environment</p>								

Construction Phase	1. Water sprinkling (water @ 1 tanker/week @ Rs. 700 for 7500 litre in 735 days of working, 5 sprinkling nozel @ Rs. 500 , 1 Booster pump @ Rs. 5500)	8000	73500	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Water pipeline-100m @ Rs 100/m	10000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	1 Water Tanks of 7500 litre @ Rs. 30000	30000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Container for Storage of raw material	50000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Green Nets for covering building for 3500 sqm area @ Rs 15/sqm	--	52500	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Barricading of construction area	Site boundary constructed	Site boundary constructed	--	--	--	Project boundary was constructed in start of construction of project, therefore cost has not been included in the remediation cost. Bills is attached as Annexure 4
	100 Face mask @ Rs 100	10000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Vehicle Inspection @ 15,000/year for 3 years		45000	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost

	Operation Phase	Maintenance of 1 no. of DG set/year through AMC for 3 years @ 30,000/year		120000	Maintenance of 1 no. of DG set/year through AMC @ 30,000/year	--	30000	
	Waste Environment							
5	Construction Phase	10 Dustbin @ Rs 2000/each	20000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Safety tapes for barricading the waste		5000	--	--	--	
		Agency fee for collection & disposal Solid waste for 3 years @ Rs. 500/month		18000	--	--	--	
	Operation Phase	15 Dustbin @ Rs 3000/each	45000	--	5 Dustbin @ Rs 3000/each	15000		Proof is not available, therefore cost is taken in Remediation Cost
		Agency fee for collection & disposal Solid waste for 4 years @ Rs. 1000/month	--	48000	Agency fee for collection & disposal Solid waste @ Rs. 1000/month	--	12000	
		STP sludge disposal @2500/month for 4 years	--	120000	STP sludge disposal @2500/month	--	30000	
	Water Environment							
6	Construction Phase	Ground water abstraction	No Violation	No Violation	--	--	--	Water Tanker was used during the construction period
		Construction of Toilets	No Violation	No Violation	--	--	--	Proof of toilets are attached as Annexure 4.
		Toilet maintenance and cleaning for 3 years @		36000	--	--	--	

		1000/month						
		STP installation of 250 KLD	No Violation	No Violation	STP installation of 125 KLD	1875 000	--	STP is constructed, Bill is attached as Annexure 5.
		Construction of 3 RWH KLD	No Violation	No Violation	--	--	--	RWH pits are construction; photos are attached as Annexure 6.
Operation Phase		Abstraction of Ground water	No Violation	No Violation	--	--	--	Permission from DM obtained for boring. Permission is attached as Annexure 7.
		STP operation and maintenance @ Rs 10,000/month for 4 years		480000	STP operation and maintenance @ Rs 10,000/month	--	120000	Proof is not available, therefore cost is taken in Remediation Cost
		Maintenance and cleaning of RWH system @ Rs 30,000/twice in a year		120000	Maintenance and cleaning of RWH system @ Rs 30,000/twice in a year	--	30000	
		Cleaning and maintenance of water network @ Rs 30,000/twice in a year		120000	Cleaning and maintenance of water network @ Rs 30,000/twice in a year	--	30000	
6	Occupational Health and Safety of construction worker							
	Construction Phase	First aid kit at site	20000		--	--	--	Proof is not available, therefore cost is taken in
		PPE for labour	200000		--	--	--	

		Health check-up for 50 labour, twice in a year		300000	--	--	--	Remediation Cost
	Operation Phase	--	--	--	--	--	--	
	Ecology Environment							
7	Construction Phase	Cutting of Trees	No tree cutting	No tree cutting	--	--	--	No tree was felled
		Development of Green Area	No violation	No Violation	Development of more green area	150000		Green area has been developed in the project site. Bills and photos are attached as Annexure 8.
		Forest or Tree cutting permission	No violation	No Violation	--	--	--	No Forest land or tree cutting required.
	Operation Phase	Maintenance of green area for 4 years @ 10000/month	--	480000	Maintenance of green area for @ 10000/month (subset of remediation cost for 3 years)	--	120000	Proof is not available, therefore cost is taken in Remediation Cost
	Soil Environment							
8	Construction Phase	Disposal of excavated soil and construction debris	No Violation	No Violation	--	--	--	All the excavated soil and construction debris were used in the premises for increasing plinth level as the site level was down
		Top soil disposal (640 tonne) @ Rs. 300/truck of 10 tonne			19200	--	--	--
	Operation Phase	--	--	--	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Noise Environment							
9	Construction	Site barricading	No	No	--	--	--	Already included in

	n Phase		Violatio n	Violatio n				air
		Ear plugs for labour@ Rs. 100/pcs (50 pcs)	5000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Replacement of Vibration pads of DG set (once in five years)	30000		Replaceme nt of Vibration pads of DG set	3000 0		Proof is not available, therefore cost is taken in Remediation Cost
	Energy Conservation							
	Constructio n Phase	--	--	--	--	--	--	
9	Operation Phase	Installation of LED	No Violatio n	No Violatio n	--	--	--	Photos are attached as Annexure 9.
		Solar Panel	--	--	Installation of Solar street lights (subset of remediation cost)	2500 00		
	Transportation of Trucks							
9	Constructio n Phase	Tarpaulin covers for trucks	--	30000	--	--	--	It was ensured all trucks carrying construction material were covered.
	Operation Phase	--	--	--	--	--	--	
	Disaster Management Plan							
10	Constructio n Phase	Earthquake resistant structure	No Violation	No Violation	--	--	--	Already included in cost of project
		Fire-fighting system	No Violation	No Violation				Fire NOC is obtained which is attached as Annexure 10.
	Operation Phase	Quarterly training@ 2,000/training for 4 years		24000	Quarterl y training @		600 0	Cost is taken under remediation

					2,000/training for 4 years		
	Total Cost		605500	2492700		2320000	592000
		Remediation Cost	30,98,200		Cost of EMP	29,120,000	

Cost Incurred for Community Resources Improvement and Management

Project Development Cost: Rs. 44 Crores

As per CER OM, CER cost is 2 % of Rs. 46 Crores, i.e. Rs. 0.88 crores (INR 88 lakhs).

CER Cost Already Incurred

Activity	Cost incurred (INR)
Plantation Outside the site (Development of Municipal Garden)	21,03,580
Development of Cost of Road Outside the project site	33,38,000
Provision of LED on road outside the project site	5,00,000
Landscaping and Maintenance of Sapna Sangeetha Road	13,25,000
Street lights on Sapna Sangeetha Road	5,98,000
Total CSR Incurred	78,64,580
Remaining Cost of CSR/CER	9,35,420

Total CSR Incurred: **INR 78,64,580**

Remaining Cost of CSR: **INR 9,35,420**

Proposed CER Expenditure:

S.No.	Activity	Total Cost (INR)	1st Year	2nd Year	3rd Year
1	Improvement of the Municipal Garden along with provision of garden furniture and development	9,50,000	3,50,000	3,00,000	3,00,000

	of the walking tracks				
	Total	9,50,000	3,50,000	3,00,000	3,00,000

Thus as above, PP has proposed Rs. 30,98,200.00 Lakhs as Remediation Cost and Rs. 29,12,000.00 Lakhs as EMP for this project and PP, M/s Man Developments, has proposed to submit bank guarantee of INR Rs. Rs. 30,98,200.00 Lakhs towards Remediation Plan and Rs. 23,20,000.00 Lakhs capital cost and Rs. 5,92,000.0 Lakh as recurring cost for EMP of this project

Committee deliberated that Project site is spread over 20350 sq m (5.028 acres) and will have built-up area of 67100.423 sq m. Project comprise of 4 blocks comprising of 11 residential towers, EWS & LIG housing and club along with allied facilities, till date 6 no. of towers are constructed and built up area of 39843.55 sq. m. is constructed. Also till date 434 flats have been constructed out of which possession given to the 212 flats and 140 flats have been occupied. Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 30,98,200.00 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

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 Environment Clearance for Group Housing Project "Royal Amar Greens" Khasra Nos. 37/1/2, 38/1, 38/2 min 1, 38/2 min 2, 38/2 min 3, 38/2 min 4, 38/2 min 5, 39/1/1, 39/1/2, 39/1/3, 39/2 min 1, 39/2 min 2, 39/2 min 3, 39/2 min 4, 39/2 min 5, at Village - Niranjapur, Tehsil - Indore, Distt. - Indore, (M.P.), Total Plot Area: 20,350.0 sqm, Net Plot Area: 19405.0 sqm, Built--up Area: 67100.423 sqm, Built-up Area Constructed: 39843.55 sqm. Category: 8 (a) Building & Construction Project, subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 30,98,200.00 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the MP Pollution control Board , with following additional conditions:

I. Statutory Compliance

- ix. 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.
- x. 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.
- xi. 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.
- xii. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- xiii. 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.
- xiv. 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.
- xv. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- xvi. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- xiii. 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.
- xiv. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- xv. 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.
- xvi. Diesel power generating sets 250 kVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

- xvii. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- xviii. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- xix. Wet jet shall be provided for grinding and stone cutting.
- xx. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- xxi. 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.
- xxii. 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.
- xxiii. The gaseous emission from DG set 250 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xxiv. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- xxiii. 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.
- xxiv. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- xxv. The total water requirement during operation phase is 330 KLD out of which 226 KLD is fresh water requirement and 216 KLD water will be recovered after treatment in STP out of which 94 KLD will be used in flushing , 10 KLD in horticulture within site and 30 KLD uses for maintaining park outside the project site. Excess 82 KLD water will be discharged into municipal sewer.

- xxvi. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor 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.
- xxvii. 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.
- xxviii. 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.
- xxix. 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.
- xxx. 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.
- xxxi. 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.
- xxxii. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xxxiii. 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.
- xxxiv. 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.
- xxxv. For rainwater harvesting, 3 pits 01 tank recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 61.06 m³ . Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xxxvi. 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.
- xxxvii. All recharge should be limited to shallow aquifer.

- xxviii. No ground water shall be used during construction phase of the project.
- xxxix. 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.
- xl. 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.
- xli. Sewage shall be treated in the STP (Capacity - 325 KLD. The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening.
- xlii. The waste water generated from the project shall be treated in STP of 325 KLD capacity and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xliii. No sewage or untreated effluent water would be discharged through storm water drains.
- xliv. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xlv. 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

- vii. 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.
- viii. 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.
- ix. 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. Energy Conservation Techniques can be considered as Space Cooling: External shading prevents solar radiation from entering into the buildings and reduces the cooling load, results to better control of overheating and indoor temperatures. Space cooling load may be reduced by 30% due to proper shading.
- x. Thermal insulation of buildings external walls and roof reduces the cooling load and improves indoor thermal comfort conditions by lowering heat gains through the building's envelope. Energy consumption in insulated buildings may be 5–30% less than in non-insulated buildings.
- xi. Domestic hot water: Solar collectors reduce the annual energy consumption for domestic hot water production by lowering the load covered by electrical or thermal heating. Energy consumption in buildings with solar collectors may be 60–80% less than in buildings with electric heaters.
- xii. 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.
- xiii. Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Water Management

- xii. Total waste 1232 Kg/day, out of which 361 Kg/day is Recyclable Waste and 871.2 Kg/day is Non Recyclable waste and this shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- xiii. 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.
- xiv. 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.
- xv. 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.
- xvi. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.

- xvii. 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.
- xviii. 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.
- xix. 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.
- xx. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- xxi. 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

- vi. Total 132 trees shall be planted in the area of 3280 sq.m (17 %) which is developed as greenbelt development out of 3280 sq.m area, 2136 sq.m. is already developed as green belt.
- vii. No 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).
- viii. 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.
- ix. 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.
- x. 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

- v. 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
- vi. 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.
- vii. Total proposed Parking's arrangement as proposed for 338 ECS.
- viii. 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

- vii. 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.
- viii. For indoor air quality the ventilation provisions as per National Building Code of India.
- ix. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- x. 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.
- xi. Occupational health surveillance of the workers shall be done on a regular basis.

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

X. Corporation Environment Responsibility

- vii. 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.
- viii. 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.
- ix. 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.
- x. 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.
- xi. PP has proposed Rs. 23,20,000.00 Lakhs capital cost and Rs. 5,92,000 Lakh as recurring cost for EMP of this project
- xii. The PP M/s Man Developments, Indore has proposed to submit bank guarantee of INR 30,98,200.00 Lakh towards Remediation Plan /Restoration Plan.
- xiii. For this project PP has proposed total cost for CER Rs. 9.50 Lakh as capital in which is @ Rs. 3.50 lakhs/year amount shall be disbursed in the three years as recurring.

XI. Miscellaneous

- vi. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- vii. 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)
- viii. 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).

- ix. 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.
- x. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

(Dr. Sonal Mehta)
Member

(Dr. A.K. Sharma)
Member

(Dr. Mohd. Akram Khan)
Member

(R.S.Kori)
Secretary

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

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

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

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

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

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

Annexure- 'C'

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

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

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

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. 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 CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K shall be analyzed in all soil samples.

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.

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