

The 488th meeting of the State Expert Appraisal Committee (SEAC) was held on 10th March, 2021 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

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

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

1. **Case No 8273/2021 Ministry of Social Justice and Empowerment, Government of India, Shri Sunil Kumar Mahto, Under Secretary, Pandit Deendayal Antyodaya Bhawan, B II Wing, 5th Floor, Lodhi Road, CGO Complex, Parliament Street, New Delhi - 110003 Prior Environment Clearance for Proposed Centre for Disability Sports (Total Plot Area = 138969.05 sqm, Total Development Area = 106494.20 sqm, Total Built-up Area = 38011.19 sqm) at Survey No. 109, 110, 111, 112, 113, 114, 117, Village - Swejfarm, Tehsil - Jagnapura, Dist. Gwalior (MP)**

This is case of Prior Environment Clearance for Proposed Centre for Disability Sports (Total Plot Area = 138969.05 sqm, Total Development Area = 106494.20 sqm, Total Built-up Area = 38011.19 sqm) at Survey No. 109, 110, 111, 112, 113, 114, 117, Village - Swejfarm, Tehsil - Jagnapura, Dist. Gwalior (MP)

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

- It is a Fresh proposal for construction of Proposed Centre for disability Sports at Survey No. 109, 110, 111, 112, 113, 114 & 117 Village Swejfarm, Tenshil Jaganpura, District Gwalior, Madhya Pradesh on total plot area 1,38,969.05 sq. m., total development area 1,06,494.20 Sqm the built-up area of the proposed project is 38,011.19 sq. m.
- Proposed Centre for disability Sports at Survey No. 109, 110, 111, 112, 113, 114 & 117 Village Swejfarm, Tenshil Jaganpura, District Gwalior, Madhya Pradesh.

- Water requirement, source, status of clearance: total water demand of the project is 644 KLD out of which the fresh water demand will be 187 KLD and sourced by Gwalior Municipal Corporation. 169 KLD treated water will be reused from onsite STP and additional 288 KLD treated water requirement will be met through Gwalior Nagar Nigam STP which is located at 900 m from the project site.
- Waste water quantity, treatment capacity, detail: Total waste water generated from the project is 188 KLD, which will be treated on site STP having capacity of 225 KLD.
- Recycling / reuse of treated water and disposal: 169 KLD treated water will be recycled/reused in flushing, DG cooling & green belt development. No treated water will be discharged into public sewer.
- Solid Waste Management: 1.27 TPD solid waste will be generated from the proposed project. 0.80 TPD biodegradable waste will be processed in onsite OWC. Remaining 0.51 TPD non-biodegradable waste will be handed over to authorized vendor or Bhopal Municipal Corporation.
- Hazardous Waste Management: Nominal amount of hazardous waste (0.51 LPD) will be generated from the DG operation and will be disposed through authorized vendor.
- Green belt development (20 % of construction projects and 33 % for others): Proposed Green area will be 62988.371 sqm. (45% of plot area).
- Parking requirement with provision made: Adequate 461 nos. of parking will be provided during operational phase.

After presentation PP was asked to submit following information:-

1. Location of STP as per local topography.
2. The entry & exit should be bell shaped.
3. Break-up DG set of proposed 750 kVA.
4. Status of existing STP of Nagar Nigam.
5. Revised plantation species (remove Semal tree from the proposed list).
6. Provision of additional space for 07 nos. of proposed (05 existing) bus parking .
7. Proposal for 11% of solar photo volt (SPV).
8. Quantification and management of top soil.

PP vide letter dated 10.03.2021 has submitted the additional information which was placed before the committee. After presentation and submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Proposed Centre for Disability Sports (Total Plot Area = 138969.05 sqm, Total Development Area = 106494.20 sqm, Total Built-up Area = 38011.19 sqm) at Survey No. 109, 110, 111, 112, 113, 114, 117, Village - Swejfarm, Tehsil - Jagnapura, Dist. Gwalior (MP) , Cat. 8(a) subject to the following special conditions:

Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The 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.
- iii. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- iv. 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.
- v. 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.
- vi. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- vii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.
- viii. The project area shall be secure through boundary wall and excavated top soil shall not be used in filling of low lying area. The top soil shall be used for greenery development.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF& CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 2 Diesel power generating sets 250 kVA *1 and 500 kVA *1 nos. proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as

well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.

- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xi. The gaseous emission from DG sets 250 kVA *1 and 500 Kva *1 nos shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 644 KLD out of which 187 KLD is fresh water requirement and 169KLD will be the total recycled water generated, out of which 169 KLD recycled water will be used for flushing and 288KLD water will be used for horticulture.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project

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

- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fires water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 14 recharge pits will be constructed for harvesting rain water. The total recharge capacity of these pits about 587m³/hr . Mesh will be provided at the roof so that leaves or any other solid waste/debris will be prevented from entering the pit.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.

- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the SBR based STP (Capacity - **225KLD**. The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 225 KLD capacity (based on SBR based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures.

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

- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 11% of the demand load or as per the state level /local building bye-laws requirement, which is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.

VI. Waste Management

- i. Total waste 1270 Kg/day, this consist all types of wastes (as Organic waste 800 Kg/day and non- organic waste 470 Kg/day), Inert waste 470 Kg/day, E- waste 50Kg/Annum, and these all type of waste shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (1.27 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.
- xi. PP should installed smog gun for dust separation.
- xii. PP should installed organic waste composter (OWC).

VII. Green Cover

- i. Total 1737 trees shall be planted in the area of 62988.0m² (45 % of total plot area) which is developed as greenbelt development.
- ii. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should included plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

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

- b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 461ECS (in which nil ECS for Basement parking , nil for ECS for Silt parking and 461 for open parking).
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

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

X. EMP & Corporation Environment Responsibility

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

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. For Environment Management Plan PP has proposed Rs. 37.5 Lakhs as capital and Rs. 17.1 Lakhs as recurring cost for this project.
- vi. PP should explore possibility of CAAQMS.

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.

2. Case No 7597/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 16.720 ha. (75,720 cum per annum) (Khasra No. 01), Village – Kaundh Madeyan -1, Tehsil - Raun, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village - Kaundh, Tehsil - Raun, Dist. Bhind (MP) 16.720 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 438 dated: 24/07/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 81.45 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7036 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 16.720 ha. in Village –Kaundh Maidyan , Tehsil- Raun, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/546 Bhopal, dated -01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. P. Kramank 6918/Mining Plan cell-1/N. K.-30/2020 Bhopal dated 25/07/2020 for a production capacity of 75,720 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1381/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 652/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 13.01.2021 near project area.

- Opencast Semi- mechanized and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Narmada River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (75720 cum in 16.720 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 16.720 ha. (75720 cum per annum) (Khasra No.-01), Village – Kaund Maidyan-01, Tehsil - Raun, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

1. Opencast Semi- mechanized and manually method shall be carried out.
1. No intermediate stacking is permitted at the mine site.
2. Overhead sprinklers shall be provided in mine.
3. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
4. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick

canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 25080 trees shall be planted on barrier zone, backfilled area and along the transportation route.

5. Transportation of sand shall be done in covered vehicles.
6. Transportation of sand shall not be carried out through forest area.
7. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
8. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. The commitments made in the public hearing are to be fulfilled by the PP.
11. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
12. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

13. In the proposed EMP, capital cost is Rs. 55.93, lakh is proposed and Rs. 2.43 Lakh /year as recurring expenses.
14. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Construction of Drainage in Village	150 m
2	Construction of Toilet and Hand Pump in village	4 nos Toilet and 2 no hand pump
3	Maintenance/ development of panchayat cattle house	1no
4	Plantation in Village School	7500 nos
5	Provide Water Facilities in village	1no
6	Maintenance of Village Road	600 sqm (200 m length & 3 m width)

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

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

3. **Case No 7593/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 13.930 ha. (59,580 cum per annum) (Khasra No. 500), Village - Kaundh Madeyan-03, Tehsil - Raun, Dist. Bhind (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 500), Village - Kaundh, Tehsil - Raun, Dist. Bhind (MP) 13.930 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 440 dated: 24/07/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 72.45 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7046 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 13.930 ha in Village –Kaundh, Tehsil- Raun, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/546 Bhopal, dated -01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. P.Kramank 7502-04/Mining Plan cell-1/N.K.-51/2020 Bhopal dated 10/08/2020 for a production capacity of 59580 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03/khanij/2020/439 Bhind, dated 24/7/2020.

- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 660/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 13.01.2021 near project area.
- Opencast Semi-mechanized and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (59,580 cum in 13.930 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 13.930 ha. (59580 cum per annum) (Khasra No.-500), Village – Kaundh Madeyan-03, Tehsil - Raun, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi- mechanized and manually method shall be carried out.
17. No intermediate stacking is permitted at the mine site.
18. Overhead sprinklers shall be provided in mine.
19. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan

- & EMP a minimum of 21000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of sand shall be done in covered vehicles.
 22. Transportation of sand shall not be carried out through forest area.
 23. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 24. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
 25. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 26. The commitments made in the public hearing are to be fulfilled by the PP.
 27. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
 28. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

29. In the proposed EMP, capital cost is Rs. – 52.90 Lakh is proposed and Rs. 2.61 Lakh /year as recurring expenses.
30. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Construction of Toilet IN Village school	5nos
2	Plantation in Village school	2000 nos
3	Construction of Drainage System in Village	150 m
4	Development of play Ground In school	1no
5	Maintenance of Village Road	600 sqm (200m length & 3m width)

31. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
32. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

4. Case No 7578/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 17.650 ha. (86,200 cum per annum) (Khasra No. 514), Village – Matiyawali-03, Tehsil - Mihona, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 514), Village - Matiyawali, Tehsil - Mihona, Dist. Bhind (MP) 17.650 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 (Ekal Praman-Patr) letter no. 423 dated: 24/07/2020 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine with total area of 96.672 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7040 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 17.650 ha in Village –Matiyawali, Tehsil- Mihona, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/546 Bhopal, dated -01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. P. Kramank 6963-65/Mining Plan cell-1/N.K.-21/2020 Bhopal dated 25/07/2020 for a production capacity of 86200 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03khanij/2020/423 Bhind, dated 24/7/2020.

- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1381/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 646/PS-MS/MPPCB/SEAC/TOR(488)/2020 Bhopal, Dated 06/10/2020
- Opencast Semi-mechanised and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (86,200 cum in 17.650 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 17.650 ha. (86200 cum per annum) (Khasra No.-514), Village – Matiyawali-03, Tehsil - Mihona, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi- mechanized and manually method shall be carried out.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan

- & EMP a minimum of 26500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
 16. Transportation of sand shall not be carried out through forest area.
 17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 18. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
 19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 20. The commitments made in the public hearing are to be fulfilled by the PP.
 21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
 22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 61.02 lakh is proposed and Rs. 2.57 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Construction of Toilet in village School and Play ground.	4 no Play Ground 1 no
2	Maintenance of Village Road	1500 sqm (500m length & 3 m width)

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

5. Case No 7577/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 17.170 ha. (94,800 cum per annum) (Khasra No. 751, 716), Village - Lilwari, Tehsil - Lahar, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 751, 716), Village - Lilwari, Tehsil - Lahar, Dist. Bhind (MP) 17.170 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 451 dated: 24/07/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 33.17 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7044 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 17.170 ha in Village –Lilwari, Tehsil- Lahar, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/546 Bhopal, dated -01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. P.Kramank 6959-61/Mining Plan cell-1/N. K.-33/2020 Bhopal dated 25/07/2020 for a production capacity of 94800 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03khanij/2020/673 Bhind, dated 18/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 648/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020

- Public Hearing has been conducted on dated 14.01.2021 near project area.
- Opencast Semi- mechanized and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is **26699 km²**. Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is **668.3 mm**. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- **Dandy Bolton Formula** has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may **vary 10-fold or even 100-fold computed yields**.
- On the basis of Dandy Bolton formula the Sediment Yield is **16716700.56 M. tons/Year**.
- The Annual Replenished Sand in Sindh River is **19776120 cum. (As Per DSR Bhind)**
- Hence i t is concluded that the annual production capacity (94,800 cum in 17.170 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 17.170 ha. (94800 cum per annum) (Khasra No.-751,716) Village –Lilwari , Tehsil - Lahar, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi-Mechanized and manually method shall be carried out.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan

- & EMP a minimum of 26000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
 16. Transportation of sand shall not be carried out through forest area.
 17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 18. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
 19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 20. The commitments made in the public hearing are to be fulfilled by the PP.
 21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
 22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 76.77 Lakh is proposed and Rs. 2.84 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Plantation in Village	3000 no.
2	Construction of Toilet in village Anganbadi	4 no
3	Maintenance of Village Road	1500 sqm (500 m length & 3 m width)

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

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

6. Case No 7628/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 13.340 ha. (66,000 cum per annum) (Khasra No. 274), Village – Kaundh Madeyan- 2, Tehsil - Raun, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 274), Village - Kaundh, Tehsil - Raun, Dist. Bhind (MP) 13.340 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7028 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on **Sindh River** is spread over an area of **13.340 ha** in Village –Kaundh, Tehsil- Ron, Dist- **Bhind**, State - **Madhya Pradesh**.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/546 Bhopal, dated -01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. P.Kramank 7476-78/Mining Plan cell-1/N.K.-52/2020 Bhopal dated 10/08/2020 for a production capacity of **66000 m³ per year**.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03/khanij/2020/439 Bhind, dated 24/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 698/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 13.01.2021 near project area.
- Opencast Semi-machanized and manually method for mining by scrapping in **1.00 m** layers and loading on trucks/dumper will be adopted. **No drilling & blasting** is needed as the project is for sand mining.

- The mine site is a **non-agricultural government land**. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence i t is concluded that the annual production capacity (66,000 cum in 13.340 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 13.340 ha. (66,000 cum per annum) (Khasra No.-274), Village – Kaund Maidyan-2, Tehsil - Raun, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi-mechanized and manually method shall be carried out.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 20010 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

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

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 62.43 Lakh is proposed and Rs. 2.61 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Bore well or hand Pump	2nos
2	Provide Drinking water facilities in Village	2nos
3	Plantation in Village area, School	5000 nos
4	Plantation in river Bank Area	15000 nos

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

7. Case No 7598/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 5.00 ha. (25,200 cum per annum) (Khasra No. 610), Village - Kachharghat, Tehsil - Mehgaon, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 610), Village - Kachharghat, Tehsil - Mehgaon, Dist. Bhind (MP) 5.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 517 dated: 05/08/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 15.957 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7042 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 5.00 ha in Village –Kachharghat, Tehsil- Mehgaon, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/588 Bhopal, dated -10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. Kramank 8330/Mining Plan cell-1/N. K.-47/2020 Bhopal dated 25/08/2020 for a production capacity of 25,200 m³ per year.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. Kramank 8330/Mining Plan cell-1/N. K.-47/2020 Bhopal dated 25/08/2020 for a production capacity of 25,200 m³ per year.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 606/PS-MS/MPPCB/SEAC/TOR(455)/2020 Bhopal, Dated 06/10/2020

- Public Hearing has been conducted on dated 15.01.2021 near project area.
- Opencast Semi-mechanized and manually method for mining by scrapping in 2.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence i t is concluded that the annual production capacity (25.200 cum in 5.00 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for

Prior Environment Clearance for Sand Quarry in an area of 5.0 ha. (25200 cum per annum) (Khasra No.-610), Village –Kachharghat, Tehsil - Mehgaon, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi-Mechanized and manually method shall be carried out.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 7500 trees shall be planted on barrier zone, backfilled area and along the transportation route.

15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 33.27 Lakh is proposed and Rs. 2.17Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Description	Physical Target
Construction of Toilet in Village	4nos
Plantation in Village area	2500 nos
Maintenance of Village Road	600 sqm (200 length & 3m width)
Bore Well shall be done in village	2nos
Maintenance/ Developed of Panchayat Cattle House	1nos

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

8. Case No 7549/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 15.210 ha. (70900 cum per annum) (Khasra No. 452), Village – Matiyawali-02, Tehsil - Mihona, Dist. Bhind (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 452), Village - Matiyawali, Tehsil - Mihona, Dist. Bhind (MP) 15.210 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 424 dated: 24/07/2020 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine with total area of 96.672 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 455th SEAC dated 16/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7032 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 15.210 ha in Village –Matiyawali, Tehsil- Mihona, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. Kramank/ret/2020/546 Bhopal, dated 01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. Kramank 6950/Mining Plan Cell-1/ N.K.-31/2020 Bhopal, dated 25/07/2020 for a production capacity of 70900 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-Q/03/Khanij/2020/424 Bhind, Bhind dated 24/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 646/PS-MS/MPPCB/SEAC/TOR(488)/2020 Bhopal, Dated 06/10/2020

- Opencast Semi-mechanised and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- Opencast Semi-mechanised and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- **Dandy Bolton Formula** has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may **vary 10-fold or even 100-fold computed yields.**
- On the basis of Dandy Bolton formula the Sediment Yield is **16716700.56 M. tons/Year.**
- The Annual Replenished Sand in Sindh River is **19776120 cum. (As Per DSR Bhind)**
- Hence it is concluded that the annual production capacity (70,900 cum in 15.210 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 15.210 ha. (70900 cum per annum) (Khasra No.-452), Village – Matiyawali-02, Tehsil - Raun, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi-mechanized and manually method shall be carried out.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially,

- dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 23000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
 15. Transportation of sand shall be done in covered vehicles.
 16. Transportation of sand shall not be carried out through forest area.
 17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 18. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
 19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 20. The commitments made in the public hearing are to be fulfilled by the PP.
 21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
 22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 32.08 Lakh is proposed and Rs. 2.63 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Plantation in Village School	2000 no.
2	Maintenance of Village Road	900 sqm (Length 300 m Width 3 m width)
3	Construction of Toilet in village school Matiyawali	4 no
4	Development of Play ground	1no

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized

fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

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

9. **Case No 7579/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (23,580 cum per annum) (Khasra No. 258, 259), Village - Lilwari, Tehsil - Lahar, Dist. Bhind (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 258, 259), Village - Lilwari, Tehsil - Lahar, Dist. Bhind (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 (Ekal Praman-Patr) letter no. 450 dated: 24/07/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 35.392 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7030 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 4.00 ha in Village –Lilwari, Tehsil- Lahar, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/546 Bhopal, dated -01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.

- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. Kramank 6769/Mining Plan cell-1/N. K.-22/2020 Bhopal dated 23/07/2020 for a production capacity of 23,580 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank-Q/03/khanij/2020/450/Bhind, dated 24/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 648/PS-MS/MPPCB/SEAC/TOR(455)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 14.01.2021 near project area.
- Opencast Semi-mechanised and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (23,580 cum in 4.00 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (23580 cum per annum) (Khasra No.-258,259), Village –Lilwari, Tehsil - Lahar, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi-Mechanized and manually method shall be carried out.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially,

- dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 6000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
 15. Transportation of sand shall be done in covered vehicles.
 16. Transportation of sand shall not be carried out through forest area.
 17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 18. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
 19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 20. The commitments made in the public hearing are to be fulfilled by the PP.
 21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
 22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 38.90 Lakh is proposed and Rs. 2.19 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Plantation in Village area	2000 nos
2	Construction of Toilet in Village Anganbadi	4 nos
3	Construction of Drainage System	300 m

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

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

10. Case No 7592/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 3.19 ha. (10,800 cum per annum) (Khasra No. 665, 666, 668), Village - Sanduri, Tehsil - Mehgaon, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 665, 666, 668), Village - Sanduri, Tehsil - Mehgaon, Dist. Bhind (MP) 3.19 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 454 dated: 24/07/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 28.90 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7038 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 3.19 ha in Village –Sanduri, Tehsil- Mehgaon, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/546 Bhopal, dated -01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. P. Kramank 7498-500/Mining Plan cell-1/N. K.-50/2020 Bhopal dated 10/08/2020 for a production capacity of 10,800 m³ per year.

- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03/khanij/2020/454 Bhind, dated 24/07/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 650/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 15.01.2021 near project area
- Opencast Semi-mechanised and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser..

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)

- Hence it is concluded that the annual production capacity (10,800 cum in 3.19 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 3.19 ha. (10800 cum per annum) (Khasra No.-665, 666, 668), Village –Sanduri, Tehsil - Mehgaon, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi- mechanized and manually method shall be carried out.
11. No intermediate stacking is permitted at the mine site.

12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 4785 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 27.79, Lakh is proposed and Rs. 2.05 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Plantation in Village Area	1000 nos
2	Construction of Toilet in Village School	4 nos
3	Maintenance of Village Road	600 sqm (200m length & 3m width)
4	Bore Well shall be done in village	2nos

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the

allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

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

11. Case No 7601/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 3.00 ha. (13,600 cum per annum) (Khasra No. 883), Village - Bachharetha, Tehsil - Mehgaon, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 883), Village - Bachharetha, Tehsil - Mehgaon, 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 Collector Office (Ekal Praman-Patr) letter no. 422 dated: 24/07/2020 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine with total area of 79.672 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458th SEAC dated 22/09/2018 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7034 dated 05.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Sindh River is spread over an area of 3.00 ha in Village –Bachharetha, Tehsil- Mehgaon, Dist- Bhind, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/546 Bhopal, dated -01/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.

- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. P. Kramank 7054-56/Mining Plan cell-1/N. K.-23/2020 Bhopal dated 27/07/2020 for a production capacity of 13,600 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03/khanij/2020/422 Sehore, dated 24/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 606/PS-MS/MPPCB/SEAC/TOR(455)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 15.01.2021 near project area.
- Opencast manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Sehore district is 1217.7 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- The Average rainfall of Bhind district is 668.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.

- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (13,600 cum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme.

The EIA/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 for Prior Environment Clearance for Sand Quarry in an area of 3.0 ha. (13600 cum per annum) (Khasra No.-883), Village –Bachharetha, Tehsil - Mehgaon, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

10. Opencast Semi-Mechanized and manually method shall be carried out.
11. No intermediate stacking is permitted at the mine site.

12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 4500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. 32.54 Lakh is proposed and Rs. 2.12 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Maintenance of Village Road	600 Sqm (200 m length & 3 m width)
2	Plantation in Village area	1500 nos
3	Construction of Toilet in Village School	5no
4	Construction of Separate Toilet for girls in School	2no

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

12. Case No. – 6121/2019 M/s Shree Marble, Plot No. 186, Nalanda College, Mahaveer Nagar, Dist. Katni, MP – 483501 Prior Environment Clearance for Marble Mine in an area of 4.900 ha. (10000 cum per annum) (Khasra No. 580/1), Village - Papredi, Tehsil - Beohari, Dist. Shahdol (MP)

This is case of Marble Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 580/1), Village - Papredi, Tehsil - Beohari, Dist. Shahdol (MP) 4.900 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, as per Ekal Praman Patra 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. 667 has reported that there are 01 more mines area 4.50 ha., proposed within 250 meters around the said mine with total area of 9.40 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 373th SEAC dated 24/05/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 6960 dated 03.03.2021, which was placed before the committee.

PP has submitted the EIA report vide letter dated 02.03.2021 which was forwarded through SEIAA vide letter no. 6960 dated 03.03.2021, which was placed before the committee. PP and their consultant presented the EIA before the committee. Following details of this project were submitted by the PP:

- The project has been proposed for the Mining of Marble from the Govt. waste Land by open cast manual extraction and mechanized method. Mining will be confined to the allotted lease area which lies on the Govt. waste land from which approximately

10,000 cum of marble block and 82405 cum of waste material will be excavated per annum.

- The mining lease has been granted in favor of M/s Shree Marble over an area of 4.90 Ha with Khasra No. 580/1 situated in Village Papredi, Tehsil- Beohari, Dist. Shahdol (MP). Mining will be carried out on the basis of govt. consent order for mining operations for 30 years. A total mineable reserve as per the mining plan is 131700 cum & with maximum of production of marble mineral 10,000 cum per annum.
- The proposed project is an opencast and fully mechanized mining project, where mining of Marble block will be done through wire saw and galitodamethod. Methods of mining will be open cast, and mechanized. Mining will be confined to the allotted lease area which lies on the waste land from which approximately marble block of 10000 cum per annum will be excavated.

After presentation and deliberation, PP was asked to submit revised CER based on physical targets. PP vide their letter dated 10.03.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Papredi Marble deposit Mine (4.90 Ha), (Marble Block- 10,000 M³ Per Year (Khasra No. 580/1) At Village –Papredi, Tehsil- Beohari, Dist. Shahdol (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

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

9. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

1. No intermediate stacking is permitted at the mine site.
2. No dump shall be stacked outside the lease area.
3. Overhead sprinklers shall be provided in mine.
4. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
5. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 8800 no of trees shall be planted on barrier/non-working zone, backfilled area, village and along the transportation route.
6. Transportation of material shall be done in covered vehicles.
7. Transportation of minerals shall not be carried out through forest area.
8. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
9. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 430M X 1M X 1M, 260M X 1M X 1M, The settling tank will be 06 in number of size 0.50X 0.35 x 1.5mD and EST1 0.16ha x 6mD.
10. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
11. For dust suppression overhead sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
12. The existing and proposed land use plan of the mine is as follows:

Items	Existing	Conceptual Period
Total lease area	4.90 ha	
Ultimate depth of mining	Nil	30m bgl (310m MSL)
Area under dumps	Nil	Nil

Area under pits	Nil	3.6794 ha.
Infrastructure & Road	Nil	Nil
Mineral storage	Nil	Nil
Plantation	Nil	4.40 ha.
Un-worked area	4.90	1.2206 ha.
Total	4.90 ha.	4.90ha.
Water body	Nil	backfilling will be done
Area to be reclaimed	Nil	3.6794 ha (if backfilling will be done)
Water body	Nil	backfilling will not be done
Area to be reclaimed	Nil	Nil
Plantation		
Un-worked area	Nil	1.00ha (2000no.)
Inside dump Afforestation	Nil	3.90ha (7800no.)
Total area for plantation	Nil	4.40ha (8800no.)

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

(C) ENTIRE LIFE OF THE PROJECT

18. In the proposed EMP, capital cost is Rs. 50.76 Lakh is proposed and Rs.15.66 Lakh /year as recurring expenses.
19. Under CER following physical target based activities based on public hearing has proposed by PP :

S. no.	Commitment towards public hearing Issue in terms of Physical Target
1.	Construction of playground(5000 sq. ft.) in School at village Paparedi

2.	Construction and maintenance of village road from lease area to pucca road to be used for transportation of mineral (1000 mtrs with 7.5 mtrs width)
3.	Development of grazing land at village Papredi.
4.	To arrange medical camp in every six month in the village Papredi.

20. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of underutilization of budgetary provisions for EMP should be addressed in annual return.
21. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

13. Case No. – 6568/2019 Shri Surendra Pratap Singh S/o Late Shri Prem Kumar Singh, R/o Near Manas Bhawan, Kotarkala, Dist. Sidhi, MP. Prior Environment Clearance for Stone Quarry in an area of 8.00 ha. (2,00,000 cum per annum) (Khasra No. 4/2 Parts), Village - Darbari, Tehsil - Chitarangi, 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. 4/2 Parts), Village - Darbari, Tehsil - Chitarangi, Dist. Singrauli (MP) 8.00 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 Tehsildar's Office letter No.2080 dated: 15/06/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 446th SEAC dated 06/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 01.03.2021 which was forwarded through SEIAA vide letter no. 6974 dated 5.03.2021, which was placed before the committee.

PP has submitted the EIA report vide letter dated 01.03.2020 which was forwarded through SEIAA vide letter no. 6974 dated 05.03.2021, which was placed before the committee.

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

- The project has been proposed for the Mining of metal stone from the Government Land by open cast manual extraction and mechanized method. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately 200000.cum of Metal stone will be excavated per annum.
- The mining lease (area 8.00 Ha) has been granted in favour of Shri. Surendra Pratap Singh S/o Late Shri. Prem Kumar Singh, Village - Darbari, Tehsil - Chitarangi, Dist. Singrauli, over an area of 8.00 Ha with Khasra No.-4/2 Partsituated in VillageDarbari Tehsil Chitarangi, District Singrauli, M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 10 years. A total mineable reserve as per the mining plan is 18,97,644cum & with maximum of production of mineral 2,00,000 cum for 10 years.
- The proposed project is an opencast and fully mechanized mining project, where mining of metal stone will be done. Methods of mining will be open cast, and mechanized with drilling and blasting. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately max **200000** cum of Metal stone will be excavated every year. Drilling & Blasting is proposed in this mining activity.

After presentation and deliberation, PP was asked to submit following information:

1. The revised details of water requirement (Form-II & Points15.)
2. Revised for inventory of the trees with girth details and PP's commitment also.
3. To be revised the point no.4 of Public Hearing
4. Revised EMP as suggested by committee.
5. Revised CER with physical targets based on the issues raised in public hearing.

PP vide their letter dated 10.03.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Metal Stone Quarry in an area of 8.00 ha. (2,00,000 cum per annum) (Khasra No. 4/2 Part), Village - Darbari, Tehsil - Chitarangi, Dist. Singrauli (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan

- & EMP a minimum of 12160 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
 22. Transportation of minerals shall not be carried out through forest area.
 23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
 24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 588 M X 1M X 1M. The settling tank will be 04 in number of size 5mx 2m x 2m.
 25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
 26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 27. The existing and proposed land use plan of the mine is as follows:

S No.	Heads	At present m2	At the end of 5yrs m2	At the end of conceptual period m2
1	Total Area excavated (broken)	0	50000	26949
2	Area mined out (out of 1)	0	0	0
3	Area fully reclaimed (back filled) (out of 2)	0	0	0
4	Area rehabilitated by water harvesting (out of 2)	0	0	23051
5	Area fully rehabilitated by bench/slope forestation(out of 2)	0	0	
6	Total Area under dumps	0	0	0
7	Area under active dumps	0	0	0
8	Area under Road (Outside pit)	0	-	-
9	Area under Infrastructure	0	0	0
10	Green Belt Area	0	20000	30000
11	Undisturbed Area	80000	10000	0
	Total Area	80000	80000	80000

28. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.

29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 67.38 Lakh is proposed and Rs.7.42 Lakh /year as recurring expenses.
34. Under CER following physical target based activities based on public hearing has proposed by PP :

S. no.	Commitment towards public hearing Issue in terms of Physical Target
1.	Construction of two setup toilets in primary school nearest five village (Darbari, Boda, Basauda, Bardha, Chitrangi)
2.	Health awareness, Eye camps and other emergency medical assistance to the people residing in the nearest five villages (Darbari, Boda, Basauda, Bardha, Chitrangi)
3.	Development of grazing land at village Darbari.
4.	Water supply in during scarcity in villages Darbari, Boda&Bardha

35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
36. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

14. Case No 8275/2021 Shri Ramkishor Prajapat S/o Shri Nathuram, R/o, 230, Bhagat Ki Kothi, Krishn Mandir Gali, Dist. Jodhpur, Raj., Prior Environment Clearance for Granite Quarry in an area of 4.0 ha. (1980 cum per annum) (Khasra No. 1640/1), Village - Chhathi Bamhori, Tehsil - Chandla, Dist. Chhatarpur (MP)

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1640/1), Village - Chhathi Bamhori, Tehsil - Chandla, Dist. Chhatarpur (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 238 dated: 20/01/2021 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 23.875 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 23.875 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

15. Case No 8276/2021 M/s Granite India, Shri Mukesh Kuamr Jain S/o Shri Suresh Chandra Jain, R/o, 43, Jawahar Road, Dist. Chhatarpur, MP Prior Environment Clearance for Granite Quarry in an area of 4.0 ha. (1980 cum per annum) (Khasra No. 1640/1), Village - Chhathi Bamhori, Tehsil - Chandla, Dist. Chhatarpur (MP)

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1640/1), Village - Chhathi Bamhori, Tehsil - Chandla, Dist. Chhatarpur (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 239 dated: 20/01/2021 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 23.875 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 23.875 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

16. Case No 8277/2021 M/s K.R.B. Minerals, R/o, Near Gayatri Mandir, Jawahar Road, Dist. Chhatarpur, MP Prior Environment Clearance for Granite Quarry in an area of 3.875 ha. (1800 cum per annum) (Khasra No. 1640/1), Village - Chhathi Bamhori, Tehsil - Chandla, Dist. Chhatarpur (MP)

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1640/1), Village - Chhathi Bamhori, Tehsil - Chandla, Dist. Chhatarpur (MP) 3.875 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. 237 dated: 20/01/2021 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 23.875 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 23.875 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

17. Case No 8269/2021 Shri Tarun Khurana S/o Late Shri Jagdish Khurana, 8, Chouthmal Colony, Dist. Indore, MP - 452001 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (15000 cum per annum) (Khasra No. 208), Village - Baank, Tehsil - Indore, Dist. Indore (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 208), Village - Baank, Tehsil - Indore, Dist. Indore (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. 419 dated: 22/02/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.983 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation as per Google image based on coordinates provided by PP, it was observed by the committee that the sanctioned lease is already excavated and PP has no answer for this excavation. Further it was also observed by the committee that the sanctioned lease is located in the populated area where lots of developmental activities can be seen such as development on the western side within 150 meters (As per Google image IT park is developing) and on the southern site of lease approx 130 meters Raja Ramanna Centre for Advanced Technology (RRCAT) situated which is Government of India, Department of Atomic Energy's institute. PP submitted that they have obtained NOC from RRCAT for mining on this lease. Committee observed that RRCAT has given conditional NOC for which no plan is submitted by PP. However, still other developmental activities are in the close vicinity of the lease and mine is already mined out. Hence, committee after deliberation decided that in the light of 52 (c) of MMR rules, where such sensitive activities should not be located < 300 meters, EC for this site cannot be recommended and case may be sent to SEIAA for necessary action. Committee also observed that previously the same case was presented by PP with case no. 6856/2020 in the 430th SEAC meeting dated 17-03-2020 wherein EC was not recommended by the on the same grounds. SEIAA's vide their 608th meeting dated 04-05-20 has accepted the recommendations of SEAC and the case was rejected by them also.

18. Case No 8278/2021 Smt. Manoj Singh W/o Shri Ravindra Singh, R/o, Village - Lausi, Post - Abhau, Tehsil - Gaurihar, Dist. Chhatarpur, MP - 471510 Prior Environment Clearance for Stone Quarry in an area of 1.676 ha. (51394 cum per annum) (Khasra No. 205), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 205), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.676 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. 3559 dated: 03/12/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that a road is crossing the lease PP submitted that it is a kachha road but right of access will be provided to local villagers from the barrier zone. After presentation the committee asked PP to submit revised EMP as suggested. PP has submitted the response of above quarries same date vide letter dated 10.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 51,394 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 19.31 Lakh as capital and Rs 04.53 Lakh/year as recurring are proposed by PP.

19. Case No 8279/2021 Shri Santosh Kumar Tiwari S/o Shri Jamuna Prasad Tiwari, R/o, Ward No. 05, Malpura Ghamora, Dist. Chhatarpur, MP - 471625 Prior Environment Clearance for Stone Quarry in an area of 3.917 ha. (119997 cum per annum) (Khasra No. 2/2, 2/3, 3, 8/1, 8/2, 12, 14/1, 14/2), Village - Pipat, Tehsil - Rajnagar, Dist. Chhatarpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2/2, 2/3, 8/1,, 8/2, 12, 14/1, 14/2), Village -

Pipat, Tehsil - Rajnagar, Dist. Chhatarpur (MP) 3.917 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. 3641 dated: 11/12/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that some trees are in existence within the lease area for which PP submitted that 06 trees will be uprooted and 60 trees additionally will be planted. After presentation the committee asked to submit following details:

- Inventory of trees with their future management plan.
- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 10.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 1,19,997 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 28.98 Lakh as capital and Rs 04.67 Lakh/year as recurring are proposed by PP.

20. Case No 8287/2021 Shri Suryakant Singh S/o Shri Mahesh Singh, R/o, Shivaji Ward, Dist. Sagar, MP - 461109 Prior Environment Clearance for Stone Quarry in an area of 3.0 ha. (15000 cum per annum) (Khasra No. 67), Village - Kadta, Tehsil - Rehli, 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. 67), Village - Kadta, Tehsil - Rehli, Dist. Sagar (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. 467 dated: 07/02/2021 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.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that pucca road is existed at a distance of 20 meters in south-east side of the lease. PP submitted that it is a PMGSY road and setback of 30 m will be provided from the lease. After presentation the committee asked to submit following details:

- Revised production plan w.r.t. PMGSY road and setback of 30 m .
- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 10.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 15,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 17.24 Lakh as capital and Rs 03.76 Lakh/year as recurring are proposed by PP.

21. Case No 8283/2021 Shri Vikas Jain S/o Shri Vimal Jain, R/o, Village - Berchha Road, Tehsil & Dist. Shajapur, MP - 465001 Prior Environment Clearance for Stone Quarry in an area of 1.40 ha. (7000 cum per annum) (Khasra No. 219/6), Village - Dillod, Tehsil - Shajapur, Dist. Shajapur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 219/6), Village - Dillod, Tehsil - Shajapur, Dist. Shajapur (MP) 1.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 39 dated: 09/01/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.40 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that the old mine pit is existed, also a pucca road is at distance of 230 m in the west side . PP submitted that it is very old pit and they have got this lease in such condition in the year 2010. After presentation the committee asked to submit following details:

- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 10.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 7,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 12.66 Lakh as capital and Rs 03.75 Lakh/year as recurring are proposed by

22. Case No 8281/2021 Shri Mahendra Kumar Bais S/o Shri Santosh Kumar Bais, Village - Tiwara, Dist. Singrauli, MP - 486886 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (48165 cum per annum) (Khasra No. 1874/3462), Village - Tiwara, Tehsil - Singrauli, 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. 1874/3462), Village - Tiwara, Tehsil - Singrauli, Dist. Singrauli (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 660 dated: 18/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that some trees are existed within the lease area. PP submitted that there are 28 trees within lease are existed all will be proposed for felling and additionally 280 trees shall be planted. After presentation the committee asked to submit following details:

- Inventory of the trees existed within the lease area.

- PP's commitment that additionally 280 trees shall be planted.
- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 10.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 48,165 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 10.71 Lakh as capital and Rs 05.22 Lakh/year as recurring are proposed by PP.

23. Case No 8282/2021 Shri Shamsher Singh, Village - Kargil, Tehsil - Gopadbanas, Dist. Sidhi, MP - 486661 Prior Environment Clearance for Stone Quarry in an area of 1.733 ha. (23750 cum per annum) (Khasra No. 242/3, 242/1/10, 242/1/9, 242/1/8, 242/1/7, 242/1/4, 242/1/3), Village - Sardaman, 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. 242/3, 242/1/10, 242/1/9, 242/1/8, 242/1/7, 242/1/4, 242/1/3), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP) 1.733 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 855 dated: 08/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that another mine is existed within 500 meters around this mine, whereas M.O. stated that no mine within 500 meters. PP was asked to submit MO certificate/ clarification on existence of another mine within 500 meters. Moreover, some trees are existed within the lease area. PP submitted that these trees occupied area shall be dealt as non-mining area. After presentation the committee asked to submit following details:

- Revised MO certificate/clarification.
- Inventory of trees existed within lease area with their management plan.
- Revised EMP as suggested by the committee.

24. Case No 8288/2021 M/s Ma Vindhyavasini Stone Crusher, 604, Satyam Residence, City Center, Dist. Gwalior, MP - 474001 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (16150 cum per annum) (Khasra No. 8/14), Village - Harraha, Tehsil - Mauganj, 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. 8/14), Village - Harraha, Tehsil - Mauganj, Dist. Rewa (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 733 dated: 02/02/2021 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 3.50 ha., including this mine.

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

25. Case No 8270/2021 Shri Hemraj Verma, Village - Polaykalan, Tehsil - Polaykalan, Dist. Shajapur, MP - 465116 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5001 cum per annum) (Khasra No. 75/11), Village - Polaykalan, Tehsil - Polaykalan, Dist. Shajapur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 75/11), Village - Polaykalan, Tehsil - Polaykalan, Dist. Shajapur (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 170 dated: 17/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that

the lease area is already excavated. PP submitted that it is very old pit and they have got this lease in such condition and same has shown on surface map. PP submitted that no blasting shall be carried out only rock breaker will be used and depth restriction upto 10 m. After presentation the committee asked to submit following details:

- PP's commitment that no blasting shall be carried out only rock breaker will be used and depth restriction upto 10 m.
- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 10.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 5,001 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 10.55 Lakh as capital and Rs 01.75 Lakh/year as recurring are proposed by PP.

26. Case No 8271/2021 Shri Ashu Jain S/o Shri Rajiv Jain, Home No. 80, Ward No. 05, Narsingh Ward, Dist. Khandwa, MP - 450116 Prior Environment Clearance for Stone Quarry in an area of 3.380 ha. (70000 cum per annum) (Khasra No. 75/1, 75/2, 75/3, 75/4), Village - Manjadhah, Tehsil - Harsud, Dist. Khandwa (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 75/1, 75/2, 75/3, 75/4), Village - Manjadhah, Tehsil - Harsud, Dist. Khandwa (MP) 3.380 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. 1365 dated: 21/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that a seasonal drain is originating from the lease area. Committee asked PP to provide garland drain and settling drain to arrest surface run-off. After presentation the committee asked to submit following details:

- Provision of garland drain and settling drain to arrest surface run-off as a seasonal drain is originating from the lease area.
- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 10.03.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 70,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 11.68 Lakh as capital and Rs 02.36 Lakh/year as recurring are proposed by PP.

27. Case No 8289/2021 Shri Mohammad Afjal, Loharmandi, Tehsil & Dist. Burhanpur, MP - 450331 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (14535 cum per annum) (Khasra No. 671), Village - Khadkod, Tehsil - Burhanpur, Dist. Burhanpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 671), Village - Khadkod, Tehsil - Burhanpur, Dist. Burhanpur (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. 112 dated: 22/02/2019 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 5.0 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 14,535 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 23.85 Lakh as capital and Rs 01.22 Lakh/year as recurring are proposed by PP.

28. Case No 8290/2021 Smit Sunita Sharma W/o Shri Yagdutt Sharma Plot No. 137, SBI Colony, Junvani Bhilai, Distt. Durg (CG) – 484001 Prior Environment Clearance for Stone Quarry in an area 4.0 ha (25080 Cum per annum) (Khasra No. 86, 91) Village – Hardi, Tehsil- Sohagpur Distt. Shahdol (M.P.)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 86, 91) Village – Hardi, Tehsil- Sohagpur Distt. Shahdol (M.P.) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 351 dated: 23/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that a kachha road is existed at a distance of 20 m in the west side of the lease and 02 trees are existed within lease PP submitted that these trees shall be kept intact and no tree felling is proposed. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 25,080 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 35.70 Lakh as capital and Rs 01.36 Lakh/year as recurring are proposed by PP.

29. Case No 8291/2021 Shri Ashwini Kumar Uprit S/o Shri Satish Uprit, H.No. 151, Rajendra Nagar Colony, Railway Station Ke Pass Distt. Bhopal – 462010 Prior Environment Clearance for Murrum Quarry in an area of 1.214 ha (20700 Cum per annum) (Khasra No. 259/4) Village Bhadugaon, Tehsil- Rehtagaon, Distt. Harda (M.P.)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 259/4) Village Bhadugaon, Tehsil- Rehtagaon, Distt. Harda (M.P.) 1.214 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. 2638 dated: 17/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant, wherein PP submits that since it is a Murrum Quarry no blasting and no drilling is proposed. It was observed that a river is existed at a distance of 375m in the east side of the lease . The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Murrum as per mine plan with quantity not exceeding 20,700 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.81 Lakh as capital and Rs 01.19 Lakh/year as recurring are proposed by PP.

30. Case No 8299/2021 Shri Prafulla Kumar Mishra S/o Shri Shivchandran Prasad Mishra, 25 A, Jalaram Bapunagar, Tilhari, Dist. Rewa, MP - 486001 Prior Environment Clearance for Stone Quarry in an area of 3.0 ha. (19950 cum per annum) (Khasra No. 527), Village - Damodargarh, 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. 527), Village - Damodargarh, Tehsil - Hanumana, Dist. Rewa (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 (Ekal Praman-Patr) letter no. 1227 dated: 25/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that a kachha road is existed at a distance of 120 meters in west side and some

trees in the lease area on the southern side of the lease. After presentation PP was asked to provide the inventory of trees and their management plan for further consideration of this case.

31. Case No 8303/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 10.0 ha. (152000 cum per annum) (Khasra No. 574 Part), Village - Sarandi, Tehsil - Waraseoni, Dist. Balaghat (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 574 Part), Village - Sarandi, Tehsil - Waraseoni, Dist. Balaghat (MP) 10.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2870 dated:25/9/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation PP stated that this is a case of river sand mining on Chandan River. Being it's a case sand quarry with total area of > 5.00 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:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report(if any).

- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

32. Case No 8304/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 12.416 ha. (228000 cum per annum) (Khasra No. 255 Part), Village - Katangtola, Tehsil - Waraseoni, Dist. Balaghat (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 255 Part), Village - Katangtola, Tehsil - Waraseoni, Dist. Balaghat (MP) 12.416 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2971 dated 25/9/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation PP stated that this is a case of river sand mining on Chandan River. Being it's a case sand quarry with total area of > 5.00 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:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled

“Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report(if any).

- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

33. Case No 8305/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 8.565 ha. (130188 cum per annum) (Khasra No. 75 Part), Village - Jagpur, Tehsil - Waraseoni, Dist. Balaghat (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 75 Part), Village - Jagpur, Tehsil - Waraseoni, Dist. Balaghat (MP) 8.565 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2873 dated 25/9/20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation PP stated that this is a case of river sand mining on Chandan River. Being it's a case sand quarry with total area of > 5.00 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:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report(if any).
- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

34. Case No 8306/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 8.869 ha. (159493 cum per annum) (Khasra No. 1014 Part), Village - Rampayali, Tehsil - Waraseoni, Dist. Balaghat (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1014 Part), Village - Rampayali, Tehsil - Waraseoni, Dist. Balaghat (MP) 8.869 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2870 dated: 25/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation PP stated that this is a case of river sand mining on Chandan River. as per Google image it was observed that a Road Bridge is exists in the upstream of the lease, PP shall considered revised Production Plan leaving setback in lease from bridge as per Enforcement & Monitoring

Guidelines for Sand Mining, 2020. Being it's a case sand quarry with total area of > 5.00 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:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report(if any).
- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

35. Case No 8310/2021 M/s Jai Mahakal Associate, Prop. Shri Vijay Goswami, 25, Bawanthadi Colony, Maharani Lakshmi Bai Ward, Dist. Seoni, MP - 480661 Prior Environment Clearance for Sand Quarry in an area of 2.40 ha. (35150 cum per annum) (Khasra No. 513), Village - Khandasa, Tehsil - Kurai, Dist. Seoni (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 513), Village - Khandasa, Tehsil - Kurai, Dist. Seoni (MP) 2.40 Ha. The project requires prior EC before commencement of any activity at site.

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

format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2564 dated: 02/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Pachdhar River. During presentation as per Google image based on coordinates provided by PP, it was observed that the causeway is located at distance of >200 m in the north side of the lease. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 35,150 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 24.33 Lakh as capital and Rs 01.21 Lakh/year.

36. Case No 8302/2021 Shri Santosh Meena S/o Shri Champalal Meena, H.No. 213, Gram - Bhour, Dist. Bhopal, MP - 462042 Prior Environment Clearance for Stone Quarry in an area of 3.840 ha. (Stone - 21756 cum per annum, Murrum/Kopra - 15860 cum per annum) (Khasra No. 36, 37, 38, 39, 40, 41, 42, 43), Village - Barkheda Salam, Tehsil - Huzur, Dist. Bhopal (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 36, 37, 38, 39, 40, 41, 42, 43), Village - Barkheda Salam, Tehsil - Huzur, Dist. Bhopal (MP) 3.840 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 5502 dated: 31/12/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. As per Google image it was also observed that

4-5 other leases are seen within 500 whereas M.O. has not stated any mine. Moreover, warehouse/ godowns are also located in the NE side of the lease. After presentation the committee asked to submit following details:

- Justification w.r.t. 4-5 other leases are seen within 500, whereas M.O. has not stated any mine.
- Compliance of NGT order w.r.t. warehouse located in the NE side of the lease.

(Dr. Mohd. Akram Khan)
Member

(Dr. R. Maheshwari)
Member

(Dr. Rubina Chaudhary)
Member

(Dr. Sonal Mehta)
Member

(Dr. J. P. Shukla)
Member

(Dr. Anil Sharma)
Member

(A. A. Mishra)
Secretary

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

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

15. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
23. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
24. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
25. Mining Lease boundary shall be appropriately earmarked with fencing.
26. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4th or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.

17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
28. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
 - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.

- ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
- iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
- iv. The sand quarrying shall not be carried out below the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
- v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
- vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
- vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
- viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
- ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.

Annexure- 'C'

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. Mining Lease boundary shall be appropriately earmarked with fencing.
27. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.

- b. Mining Lease area of the project (in ha.)
- c. Production capacity of the project.

Annexure- 'D'

General conditions applicable for the granting of TOR

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

of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.

20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.

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

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