

### **Minutes of 793<sup>rd</sup> SEAC-1 Meeting Dated 04/10/2023**

The 793<sup>rd</sup> meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 04/10/2023. Following members participated in the meeting:

- |    |                          |                             |
|----|--------------------------|-----------------------------|
| 1. | Shri Rajive Kumar,       | Chairman, SEAC              |
| 2. | Dr. Ajai Mishra,         | Member, SEAC-1 (through VC) |
| 3. | Dr. Ratan Kar,           | Member, SEAC-1              |
| 4. | Dr. Brij Bihari Awasthi, | Member, SEAC-1              |
| 5. | Shri Ashish Tiwari,      | Member-Secretary, SEAC-1    |

The Chairman welcomed the members to the 793<sup>rd</sup> SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director Environment. Nodal Officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

**1. Institutional Building at Plot no. A-5A, Sector-132, Noida, District-Gautam Buddh Nagar, Shri Rajeneder Phogat, M/s Noida Infoservices Pvt. Ltd., 7995/SIA/UP/INFRA2/433781/2023**

The Secretariat informed the committee that the matter was earlier listed in 771<sup>st</sup> SEAC meeting dated 09/08/2023 and the project proponent did not appear in the meeting. The project proponent through online Parivesh Portal on 04/09/2023 has requested to list the matter in next SEAC meeting and the matter was listed in 793<sup>rd</sup> SEAC meeting dated 04/10/2023.

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Ascenso Enviro Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Institutional Building at Plot no. A-5A, Sector-132, Noida, District-Gautam Buddh Nagar, U.P., M/s Noida Infoservices Pvt. Ltd.
2. Salient features of the project:

Proposed Institutional Building at Plot no. – A 5A, Sector-132, Noida, UP by M/s Noida Infoservices Pvt. Ltd.	
Building Details: Basement- 02 (Lower) Basement- 01 (Upper) Stilt Floor Ground Floor 11 Floor	Parking required as per Noida bye laws Total parking required = 296 ECS Total Proposed Parking = 302 ECS
Total Plot Area = 7919.50 m <sup>2</sup> Built-up Area = (FAR +Non FAR + Proposed Service Area): 23790.828 m <sup>2</sup>	Number of trees proposed for plantation = 80
Investment = Rs. 30 Crores	Total Water Demand = 128 KLD Freshwater Requirement =52 KLD (41 KLD for domestic use and 11 KLD for HVAC Cooling)
Proposed Landscaping Area = 1654.86 Sq.m.	Total waste water generation = 65 KLD
MBBR Technology STP	STP Capacity = 80 KLD (25% higher than total waste water generation)
Power Requirement = 2230 KW Gen/D.G Sets = 2X1010 KVA 1X500 KVA	Total rain water Harvesting pits = 2
Solid waste: 704.10 kg / day	Internal Road Width = 6/9 m wide

3. Area details:

S. No.	Particulars	Area (m <sup>2</sup> )
1.	Total Plot Area	7917.50
2.	Total Permissible FAR @1.5	11876.25
3.	Purchasable FAR Area	3000.00
4.	Permissible FAR Area (S. No. 2 +3)	14876.25
5.	Total FAR Proposed	14783.521
6.	Permissible Ground coverage @30%	2375.25
7.	Proposed Ground coverage	1304.49
8.	Open Area (Total Plot Area – Proposed Ground Coverage)	6613.01
9.	Non-FAR Area A. Basement 1 B. Basement 2 C. Other Area Total NON-FAR AREA	2950.587 2785.010 1077.267 6812.864
10.	Perm. 15% of FAR Area for Services	1781.437
11.	Perm. 15% of FAR Area for Services (purchasable)	450.00
12.	Total Perm. Services FAR after purchase	2231.437
13.	Proposed Service Area	2194.443
14.	Total Built-up Area (S. No. 5+ 9+13)	23790.828
15.	Required Green Area (@25% of Open Area)	1653.25
16.	Proposed Green Area	1654.86
17.	Proposed Building Height	55.12 metres

**4. Population details:**

S. No.	Particulars	Type of Occupancy	FAR Area (m <sup>2</sup> )	Total Population (TP)
1.	Ground to 11th Floor	Software IT units/IT enables	14876.25	1490
2.	Service Staff @ 5 % of Total Population	--	---	75
3	Visitors @10% of Total Population	--	---	149
	Total		1714	

**5. Parking details:**

PARTICULARS	Total AREA (Sq. m.)	Parking Area (Sq. m.)	AREA (Sq. m.) Proposed for ECS	TOTAL NO. OF CAR PARKING PROPOSED
Basement 02	2950.587	2021.515	18	112
Basement 01	2785.010	1953.829	30	65
Stilt Floor	1275.285	403.812	30	14
Surface Parking	--	2215	20	11
	TOTAL			302 ECS

**6. Water requirement details:**

S. No.	Description	Non-Monsoon Season (in KLD)	Monsoon Season (in KLD)
1	Fresh water for Domestic Use	41	41
	Flushing water	32	32
	Total Domestic Water (i + ii)	73	73
2	Landscape Water	5	1
	HVAC Cooling	30	30
	Fire tank (one time)	20	20
	Total water Demand for other Uses (i + ii + iii)	55	51
3	Total Water Requirement (S. No 1 +2)	128	124
4	Fresh Water for Domestic use	41	41
	HVAC Cooling	8	4
	Total Fresh Water Requirement	49	45
5	Waste water Generation @ 80% of 41	32.8 or 33	32.8 or 33

	KLD domestic water Waste water Generation @100% of 32 KLD Flushing water Total Waste Water Generation (i + ii)	32 65	32 65
6	Treated Water Available for Reuse @ 90% of 65 KLD waste water generation	58.5 or say 59	58.5 or say 59
7	STP Capacity (higher than Wastewater generation)	80	80

7. Waste water details:

Details	Water (KLD)
Water requirement for domestic purpose	41
Wastewater to be generated from domestic use (@80% of domestic water requirement)= 32.8 KLD or say 33 KLD	33
Water requirement for Flushing Purpose	32
Wastewater to be generated from Flushing (@100% of flushing requirement)	32
Total Wastewater to be generated (33+ 32)KLD= 65 KLD	65
Total Treated Water available after STP Treatment (@ 90% of waste water)= 58.5 KLD or say 59 KLD	59
STP Proposed (higher than waste water)	80

8. Landscape plan:

S. No.	Details	Area in Sq. m.
1.	Proposed Green Area	1654.86
2.	Required Number of Trees (1 tree/80 sq.m. of total plot area)	79 No's
3.	Proposed Number of Trees	80 No's

9. Solid waste generation details:

Category	Counts(heads)	Waste Generated(kg/day)
IT Unit Population	1490@0.45kg/day	670.5
Visitor + Staff	120@0.15kg/day	33.6
Total Waste Generated		704.1

10. The project proposal falls under category-8(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 03/07/2023 mentioning is as follows:

1. I, Purushottam Sharma, S/o Shri Rajendra Prasad Sharma is EIA Coordinator of M/s Ascenso Enviro Pvt. Ltd.
2. I have prepared Form-1, form-1A, conceptual Plan & EMP report for the EC Proposal Institutional Building at Plot no. A-5A, Sector-132, Noida, District-Gautam Buddh Nagar, U.P., M/s Noida Infoservices Pvt. Ltd. with my team.
3. I have personally visited the project site and certify that construction activity has been started after obtaining CTE for approved sanction area with builtup area less than 20,000 sqm. But later on, during the planning project was revised and total built up area become more than 20,000 sqm. Construction at the site has been started after taking CTE for the previous sanctioned plan. undertaken on the proposed side for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with application are true and correct.
5. I certify that this project has been uploaded for first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and hard copy/presentation submitted which will be submitted after acceptance of application.
7. The Form-1, form-1A, conceptual Plan & EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/ NABET.

**RESOLUTION AGAINST AGENDA NO. 01**

The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:

**Additional Conditions:**

1. The project proponent will ensure that tree plantation work should be completed before July, 2024.
2. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
3. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
4. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
5. The project proponent will ensure that there is no mismatch/deviation between the project proposal submitted to SEIAA for environmental clearance and maps/drawings were approved by concerned development authority. In case of any mismatch/deviation, amended environmental clearance will be obtained by project proponent. In case of failure, the granted environmental clearance shall automatically deem to be cancelled.
6. The proponent should provide electric vehicle charging facility as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
7. The project proponent should develop green belt in the housing scheme as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms. The project proponent will prepare working plan of plantation/green belt development showing type of plant species and their spacing in consultation with subject expert/ forest department and submit to the forest department and concerned regulatory authority and ensure their survival and sustainability
8. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
10. The project proponent will ensure full exploitation of potential of rain water harvesting for storage and recharging and also treated wastewater in order to reduce the withdrawal of fresh water and accordingly use the three sources of water supply namely stored rain water, treated wastewater and the fresh water. The project proponent shall also provide a flow measuring device along with flow integrator for monitoring the various sources of water supply namely fresh water, treated waste water and stored harvested rain water. The project proponent will submit revised water mass balance in the light of above to the directorate of Environment and the concerned regulatory authorities.
11. The project proponent will ensure the quality of construction water as per standards and specifications of relevant codes in order to prevent possible corrosion in concrete, reinforcements and other structural components in order to avoid adverse social and environmental impacts.
12. The project proponent will ensure exploitation of maximum possible potential of solar energy generation in the proposed project area and prefer to use it instead of conventional electricity in order to reduce the Green House Gas Emission causing climate change.
13. The project proponent will make necessary arrangement to get Structural auditing conducted by an expert institution once in 5 years during life span of the building to ensure safe life of the residents and prevent environmental and social hazards.

**Standard Environmental Clearance Conditions prescribed by MoEF&CC:**

1. Statutory compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. 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.
6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. 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.
8. 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.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
  1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
  5. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
  6. Wet jet shall be provided for grinding and stone cutting.
  7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
  8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
  9. 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 mission standards.
  10. The gaseous emissions from DG set 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. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
  11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water quality monitoring and preservation:
  1. 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.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
  4. 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.
  5. 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 ground water and surface water sources, ensuring that there is no impact on other users.
  6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
  8. 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.
  9. 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.
  10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
  11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
  12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh 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.
  13. All recharge should be limited to shallow aquifer.
  14. No ground water shall be used during construction phase of the project.
  15. Any ground water dewatering should be properly managed and shall conform to the a 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.
  16. 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.
  17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
  18. No sewage or untreated effluent water would be discharged through storm water drains.
  19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is

- commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
  21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
1. 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 monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  2. 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.
  3. 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.
5. Energy Conservation measures:
1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  2. Outdoor and common area lighting shall be LED.
  3. 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.
  4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
  6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
6. Waste Management :
1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
  2. 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.
  3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. 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.
7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. 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.
7. Green Cover:
  1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
  2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
  3. 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.
  4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
8. Transport:
  1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. 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.
  2. 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.
  3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all 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 plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ 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.
9. Human health issues :



1. 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.
  2. For indoor air quality the ventilation provisions as per National Building Code of India.
  3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  4. 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.
  5. Occupational health surveillance of the workers shall be done on a regular basis.
  6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
1. 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.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  4. 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.
11. Miscellaneous:
1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
  2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
  3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
  4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
  5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  10. 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.
  11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  14. 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.
  15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
2. **Bariyari Sand/Morrum Mining Project at Gata No.- 429 and 430 ,Village- Bariyari, Tehsil- Naraini, District: Banda, Shri Sanjeev Kumar Gupta, Area: 13.362 ha., 6841/6469/SIA/UP/MIN/411439/2022**

**RESOLUTION AGAINST AGENDA NO. 02**

The committee directed to defer the matter in next SEAC meeting proposed on 16/10/2023 as per request made by project proponent.

3. **“Imarti Patthar Sandstone (Khanda, Gitti, Boulder, Patiya) Mine” at Gata No. 141, 142, 143, Village- Hardari, Tehsil- Lalitpur, District- Lalitpur, Shri Swaroop Singh Chauhan, Area- 1.375 ha., 8183/SIA/UP/MIN/442001/2023**

**RESOLUTION AGAINST AGENDA NO. 03**

The SEAC has gone through the KML file of the project and 500 meter cluster certificate no. 492/30-mines/2023-24, dated 28/06/2023 issued by Mining Officer, Lalitpur for the Gata No. 141, 142, 143, Village- Hardari, Tehsil- Lalitpur, District- Lalitpur, U.P. (File No. 8183) and cluster certificate no. 487/30-mines/2023-24, dated 28/06/2023 issued by Mining Officer, Lalitpur (File No. 8191) under category B-2 but as per KML file/cluster situation the committee found that both mining lease area lies within 500 meter radius and the project proposal falls under the category B-1. Hence, the committee directed the project proponent to apply afresh application under category B-1 and the proposal no. SIA/UP/MIN/442001/2023 (File No. 8183) has been rejected.

4. **Imarti Patthar Sandstone (Khanda, Gitti, Boulder, Patiya) at Gata no.- 2/2, Village- Hardari, Tehsil- Lalitpur District- Lalitpur, Shri Deenanath, Area- 1.181 Ha., 8191/SIA/UP/MIN/442079/2023**

**RESOLUTION AGAINST AGENDA NO. 04**

The SEAC has gone through the KML file of the project and 500 meter cluster certificate no. 492/30-mines/2023-24, dated 28/06/2023 issued by Mining Officer, Lalitpur for the Gata No. 141, 142, 143, Village- Hardari, Tehsil- Lalitpur, District- Lalitpur, U.P. (File No. 8183) and cluster certificate no. 487/30-mines/2023-24, dated 28/06/2023 issued by Mining Officer, Lalitpur (File No. 8191) under category B-2 but as per KML file/cluster situation the committee found that both mining lease area lies within 500 meter radius and some other mining lease area also lies within 500 meter radius of the project and total mining lease area within 500 meter is more than 05 hectare and the project proposal falls under the category B-1. Hence, the committee directed the project proponent to apply afresh application under category B-1 and the proposal no. SIA/UP/MIN/442079/2023 (File No. 8191) has been rejected.

5. **“Sand/Morrum Mining Project” located at Gata No.- 278, 293, Village - Teharka, Tehsil - Garautha & District - Jhansi, Shri Ashu Singh Bhati, Area 20.234 Ha., 8197/7655/SIA/UP/MIN/442177/2023**

**RESOLUTION AGAINST AGENDA NO. 05**

The committee directed to defer the matter in next SEAC meeting proposed on 16/10/2023 as per request made by project proponent.

6. **Building Stone Gitti/Boulder (Sandstone) Mining Project at Araj No.- 282mi (Khand-2) Village- Sukrit, Tehsil-Robertsganj, District- Sonbhadra, U.P., Shri Mohan Tiwari, M/s Jyoti Construction , Area 1.0926 ha., 8193/7536/SIA/UP/MIN/442330/2023**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Building Stone Gitti/ Boulder(Sandstone) Mining Project at Araj no.- 282mi (Khand-2) Village- Sukrit, Tehsil- Robertsganj , District- Sonbhadra, Uttar Pradesh, (Leased Area 1.0926 Ha), M/s Jyoti Construction.
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 01/Parya/SEIAA/7536/2022, dated 12/04/2023.
3. The Public Hearing was organized on 18/07/2023. Final EIA Report was submitted by the Project Proponent on 29/08/2023.
4. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/442330/2023
2.	File No. allotted by SEIAA, UP	8193/7536
3.	Name of Proponent	ShriMohan Tiwari S/o Late Baijnath Tiwari
4.	Full correspondence address of proponent and mobile no.	Mohalla, Purani Dashmi, Thana- Kotwali, Dist- Mirzapur, Uttar Pradesh
5.	Name of Project	Building Stone Gitti/ Boulder(Sandstone) Mining Project named M/s Jyoti Construction Prop. ShriMohan Tiwari at Araj no.- 282mi (Khand-2) Village- Sukrit, Tehsil- Robertsganj , District- Sonbhadra, Uttar Pradesh Area 1.0926 Ha

**Minutes of 793<sup>rd</sup> SEAC-1 Meeting Dated 04/10/2023**

6.	Project Location(Plot.Khsra/Gata/Araji No.)	Araji no.- 282mi (Khand-2)		
7.	Name of Village	Sukrit		
8.	Tehsil	Robertsganj		
9.	District	Sonbhadra		
10.	Name of Minor Mineral	Building Stone Gitti/ Boulder(Sandstone)		
11.	Sanctioned Lease Area (in Ha.)	1.0926 Ha		
12.	Max. & Min mRL within lease area	273.0 mRL to 263.0 mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	24°55'14.48"N	83°3'25.65"E
		B	24°55'9.09"N	83°3'26.36"E
		C	24°55'9.10"N	83°3'23.86"E
		D	24°55'14.16"N	83°3'23.31"E
14.	Total Geological Reserves	5,15,376m <sup>3</sup>		
15.	Total Mineable Reserve in LOI	32,793 m <sup>3</sup> /Annum		
16.	Total Proposed Production	32,793 m <sup>3</sup> /Annum		
17.	Sanctioned Period of Mine lease	20 Years		
18.	Method of Mining	Open cast Manual/ Semi Mechanized Mining		
19.	Working hours/day	8 Hours		
20.	No. of worker	30 Workers		
21.	No. of vehicles movement/day	12 Trucks / Day (Depending on market demand)		
22.	Type of Land	Govt. Land		
23.	Ultimate of Depth of Mining	22.0 m		
24.	Nearest metalled road from site	1.0 Km		
25.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.30 KLD	
		Suppression of dust	3.30 KLD	
		Plantation	0.216 KLD	
		Others (if any)		
		Total	3.816 KLD	
26.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- QCI/NABET/ENV/ACO/23/2808 Period of Validity- 31.10.2023		
27.	Any litigation pending against the project or land in any court	No		
28.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-1497/Khanij/2022 Date-27.07.2022		
29.	Details of Lease Area in approved DSR	Sr. No'-11 Shuddhi Patra vide Letter No: 1033/M-228/2017 (Khanan Niti)-/DSR dated 31.10.2022		
30.	Proposed CER cost	2% of total project cost i.e Rs 2.76 Lakhs		
31.	Proposed EMP cost	12.68 Lakhs		
32.	Proposed Project cost	1.38 Crore		
33.	Length and breadth of Haul Road	550 mt Length & 6m width haulage road		
34.	No. of Trees to be Planted	108 Trees/Year		
35.	Baseline Monitoring Period	October 2022- December 2022		

36. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.

37. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.

38. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.

39. There is no litigation pending in any court regarding this project.

40. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 04/04/2023 mentioning is as follows:

1. I, Anand Kumar Dubey, S/o Shri. Amar Nath Dubey am EIA Coordinator of Ind Tech House Consult.
2. I have prepared the EIA report for the Proposal (SIA/UP/MIN/442330/2023), Project Name- M/s Jyoti Construction Building Stone Gitti/Boulder (Sandstone) Mining Project at Araj no.- 282mi (Khand-2) Village-Sukrit, Tehsil- Robertsganj , District- Sonbhadra, Uttar Pradesh. Area 1.0926 with my team.
3. I have personally visited the site of proposal and certify that no mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information required submitted along with Application/EIA report are true and correct.
5. I certify that this project has been uploaded for this first time on Parivesh portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and hard copy/presentation submitted which will be submitted after acceptance of application.
7. The EIA report for the Proposal is prepared by my team as per guidelines laid down by QCI/ NABET.

**RESOLUTION AGAINST AGENDA NO. 06**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes. The committee also stipulated the following specific conditions:**

1. Project Proponent should submit action plan for carrying out plantation at least @1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.
2. The project proponent shall install solar light in their site office.
3. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
4. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
5. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
6. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater

harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.

9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
12. The project proponent should explore the possibilities of rainwater harvesting.
13. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
14. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
15. As per the proposed plan, plantation with area specific plant species, number of plants to be Planted and report of green belt development to be submitted to the Forest Department, UPPCB and Directorate of Environment, UP.

**7. “Building Stone (Sandstone) Mining” At Arazi No. - 428, Village- Dhuriya, Tehsil-Chunar, District- Mirzapur, Area- 2.828 Ha., 8201/7092/SIA/UP/MIN/442466/2023**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Earthvision India Associate Consultant. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for “Building Stone (Sandstone) Mining” at Arazi No. - 428, Village- Dhuriya, Tehsil-Chunar, District- Mirzapur, U.P., (Leased Area- 2.828 Ha.).
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 312/Parya/SEIAA/7092/2022, dated: 16/12/2023.
3. The Public Hearing was organized on 03/08/2023. Final EIA Report was submitted by the Project Proponent on 01/09/2023.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/442466/2023
2.	File No. allotted by SEIAA, UP	8201-7092
3.	Name of Proponent	M/s Baghel Infra projects Pvt. Ltd. Director- Shri Manish Singh
4.	Registered Address	4271, Saraswatipuram, Khargapur, Baghel Market, Gomti Nagar, Lucknow, (U.P)
5.	Full correspondence address of proponent and mobile no.	4271, Saraswatipuram, Khargapur, Baghel Market, Gomti Nagar, Lucknow, (U.P) Mobile No.- 6388811679 E-mail ID-
6.	Name of Project	Building Stone (Sand Stone) mining
7.	Project Location (Plot.Khasra/Gata No.)	Arazi No.- 428
8.	Name of Village	Dhuriya
9.	Tehsil	Chunar
10.	District	Mirzapur
11.	State	Uttar Pradesh

12.	Name of Minor Mineral	Building Stone (Sand Stone)		
13.	Sanctioned Lease Area (in Ha.)	2.8280 Hectares		
14.	Max. & Min mRL within lease area	Highest is 119.0mRL towards South direction and the lowest 99.0mRL towards North direction.		
15.	Pillar Coordinates (Verified by DMO)	Pillar No.	N	E
		A	25°02'47.60"N	83°02'43.80"E
		B	25°02'48.00"N	83°02'47.10"E
		C	25°02'41.30"N	83°02'51.10"E
		D	25°02'40.80"N	83°02'47.00"E
		E	25°02'41.10"N	83°02'46.90"E
		F	25°02'41.20"N	83°02'44.80"E
16.	Mine Plan approval details	Letter No.- 2022/4/11/116861 Dated- 20/04/2022		
17.	Validity of Mine Plan	5 Years		
18.	Total geological reserves	1603951 M <sup>3</sup>		
19.	Total mineable reserves	833670 M <sup>3</sup>		
20.	Total Proposed Production (In 5 Years)	424200 M <sup>3</sup>		
21.	Total Proposed Production/Year	84840 M <sup>3</sup> /Year (according to as per LOI).		
22.	Sanctioned Period of Mine lease	10 years		
23.	Method of Mining	Opencast, Semi mechanized Method		
24.	No. of workers	47 Workers		
25.	Type of Land	Govt. Land		
26.	Ultimate Depth of Mining	24.0 meter		
27.	Water Requirement		Purpose	Detail
		Portable Tanker	Drinking@15 lpcd/worker	47 workers x 15 lpcd = 705 lpcd
			Mine operation/others	-
			Land reclamation / plantation @1 Lit/Tree	560Trees x 1 lpcd = 560 lpcd
			Dust suppression @2Lit/Sq.m (Twice in a day)	Haul Road Area = (170 m Length x 6m Width = 1020 m <sup>2</sup> ) x2lpcd/Sq.m = 2040 lpcd
		Total		5.305 KLD
28.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s Earthvision India Associate Consultant, NABET/EIA/2124/IA 0077 Valid till 24-02-2024		
29.	Any litigation pending against the project or land in any court	No		
30.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 8074/Khanij/2022, Dated 17-05-2022		
31.	Proposed CER cost	Rs. 4.4165 Lakhs		
32.	Proposed EMP cost	Rs. 11.40 Lakhs		
33.	No. of Trees to be Planted.	2800		
34.	Detail of CTE/CTO issued by UPPCB	NA		

- The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.

7. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 03/10/2023 mentioning is as follows:

1. I, Brij Mohan Singh Negi, S/o Sri K.S. Negi is EIA Coordinator of M/s Earthvision India Associate Consultant,
2. I have prepared EIA/EMP report for “Building Stone (Sandstone) Mining” at Arazi No. - 428, Village- Dhuriya, Tehsil-Chunar, District- Mirzapur,U.P., (Leased Area- 2.828 Ha.) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA/EMP are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivash Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

#### **RESOLUTION AGAINST AGENDA NO. 07**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes. The committee also stipulated the following specific conditions:**

1. Project Proponent should submit action plan for carrying out plantation at least @1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.
2. The project proponent shall install solar light in their site office.
3. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
4. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
5. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
6. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA,



UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.

8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
12. The project proponent should explore the possibilities of rainwater harvesting.
13. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
14. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
15. As per the proposed plan, plantation with area specific plant species, number of plants to be Planted and report of green belt development to be submitted to the Forest Department, UPPCB and Directorate of Environment, UP.

**8. "Building Stone (Khanda, Gitti , Boulder & Red Morrum) Mining" Project at Gata No.- 384, at Village-TooKa, Tehsil-Rath, District- Hamirpur, Shri Jagdish Singh, Area- 0.701 Ha., 6177/SIA/UP/MIN/60641/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The project proponent submitted the following chronology of the project:

1. Letter of Intent (LoI) issued by Mining Department in favour of project proponent on 05/12/2020.
2. Terms of Reference application submitted to SEIAA thorough online Parivesh Portal on 09/02/2021 vide Proposal No. SIA/UP/MIN/60641/2021 & File No. 6177
3. Listed the project for TOR presentation in 534<sup>th</sup> SEAC Meeting dated 22/03/2021
4. Terms of Reference letter issued by SEIAA vide letter no. 175/Parya/SEIAA/6177/2021, dated 02/09/2021
5. Baseline Data Collection: 04-01-2021 to 31-03-2021 (03 Months)
6. Draft EIA/EMP report submitted for Public Hearing at UPPCB on 27/08/2021
7. Public Hearing conducted on 29/11/2021 at Auditorium, Tehsil-Rath, Dist-Hamirpur
8. Final EIA report submitted on PARIVESH Portal on 08/01/2022
9. Final EIA Appraisal Meeting scheduled in 633<sup>rd</sup> SEAC-1 Meeting dated 04/03/2022 and following decision has been taken:

***“The committee discussed the matter and observed that the project proponent/consultant has conducted the baseline monitoring in the period of (January to March, 2021) which is not in accordance with the procedure laid down in EIA Notification, 2006 (as amended). Hence, the committee directed the project proponent to conduct afresh baseline monitoring***

*as per schedule given in terms of reference point no. 21 along with procedure laid down in EIA Notification, 2006 (as amended).*

*The matter shall be discussed after submission of final EIA report on prescribed online portal."*

10. Application for withdrawal of file no. 6177 is submitted on 04/03/2022.
11. Project proponent again submitted EIA report through online Parivesh Portal vide proposal no. SIA/UP/MIN/74920/2021 and due to odd even chronology of the proposal nos. the project get enlisted in SEAC-2, having file no. 7068.
12. The EIA report again appraised by SEAC-2 in its 657<sup>th</sup> meeting dated 23/05/2022 and recommended for grant of environmental clearance.
13. A complain raised on the Minutes of 657<sup>th</sup> SEAC-2 Meeting Dated 23/05/2022 by Gaurav Srivastava through E-mail dated 19/06/2022.
14. Recommendation of SEAC meeting dated 23/05/2022 and complaint letter dated 19/06/2022 put up in 619<sup>th</sup> SEIAA meeting dated 20/06/2022 and decoded is as follows:

***"SEIAA noted that SEAC-2 has recommended to grant EC to the above project. SEIAA also gone through the complaint letter of Shri Gaurav Kumar Srivastva Allahabad received in the office via e-mail dated 20.06.2022. The complaint states that SEAC-1 had raised some queries regarding the monitoring period, so the consultant/PP presented the case in SEAC-2 with the same data and got it approved. Hence SEIAA opined that the complaint letter shall be sent to SEAC-1 for information and SEAC-2 for review/comments."***

15. Clarification asked by the Consultant M/s Globus Environment Engineering Services in the matter by Directorate of Environment on date 23/06/2022 and due to unsatisfactory answer by the consultant, the matter is transferred to QCI/NABET and restriction for submission and presentation before SEAC/SEIAA/DOE UP as a Consultant Organization is imposed through letter no. 459/पर्या/एस०ई०आइ०ए०ए० 7068/ 2022, dated 13/07/2022.
16. The Directorate of Environment also logged FIR on the Consultant for submitting the false affidavit.
17. The QCI/NABET take further disciplinary action in the matter and suspended the accreditation of the Consultant for 03 Months vide letter no QCI/NABET/ENV/ACO/22/2502, dated 02/09/2022 and it will be again resumed by the QCI/NABET after the completion of the suspension period of three months vide letter no. QCI/NABET/ENV/AC/22/2555, dated 20/10/2022.
18. SEAC-2 again review its earlier recommendation given in 657<sup>th</sup> meeting dated 23/05/2022 in its 678<sup>th</sup> SEAC-2 Meeting Dated 08/08/2022 and decided is as follows:

***"The SEAC-2 examine the case on the basis of facts/information/documents provided by consultant. It is clearly observed that the consultant submitted false and misleading information and hide the actual facts. Therefore, in the light of above observations and facts, SEAC-2 withdraws its recommendation for grant of environmental clearance for the aforesaid project."***

22. QCI/NABET in its letter no. QCI/NABET/ENV/AC/22/2555, dated 20/10/2022 withdrawal of suspension of Accreditation, SEAC also removed the restriction imposed on the consultant though his Minutes of 718<sup>th</sup> SEAC-1 Meeting Dated 10/01/2023.
23. The project proponent has withdrawn the proposal no. SIA/UP/MIN/74920/2021, file no. 7068 on Parivesh Portal.
24. In compliance of the query raised in SEAC-1 meeting dated 04/03/2022, the consultant/PP again submitted the EIA report with afresh baseline data having baseline data collection period March 2023 to May 2023 (Monsoon Season).
25. The matter was again listed in SEAC-1, meeting dated 11/08/2022 and directed is as follows:

***“The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The committee discussed the matter and directed the project proponent to submit detailed chronological events of the project proposal. The matter will be listed on priority after getting the information from project proponent.”***

26. The project proponent submitted the reply of above queries through online Parivesh Portal on 04/09/2023 and the matter was listed in 793<sup>rd</sup> SEAC-1 meeting dated 04/11/2023.

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for "Building Stone (Khanda, Gitti , Boulder & Red Morrum) Mining" Project at Gata No.-384, Village-Tooka, Tehsil-Rath, District- Hamirpur, U.P., (Leased Area- 0.701 Ha.).
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 175/Parya/SEIAA/6177/2021, dated 02/09/2021.
3. The Public Hearing was organized on 29/11/2021 at Auditorium, Tehsil-Rath, Dist-Hamirpur. Final EIA Report was submitted by the Project Proponent on 26/08/2023.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/60641/2021		
2. File No. allotted by SEIAA,UP	6177		
3. Name of Proponent	Mr. Jagdish Singh, S/o Shri Jasiram		
4. Full correspondence address of proponent and mobile no.	R/o- Muhal Jugiyana, Thana - Rath Tehsil- Rath, District- Hamirpur, U.P.		
5. Name of Project	Khanda, Gitti, Boulder & Red Morrum Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No.384		
7. Name of River	-		
8.Name of Village	Tooka		
9. Tehsil	Rath		
10.District	Hamirpur, U.P.		
11. Name of Minor Mineral	Khanda, Gitti, Boulder & Red Morrum Mining Project		
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 0.701 Ha		
13. Mineable Area (in Ha.)	0.701 Ha		
14. Zero Level mRL	-		
15. Max. & Min mRL within lease area	Highest Point :162mRL Lowest Point :156mRL		
16. Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate		
(Source: Verified Khasra Map)	Pillars	Latitude (N)	Longitude (E)
	A	25°36'4.29"N	79°30'9.01"E
	B	25°36'3.16"N	79°30'11.86"E
	C	25°36'0.74"N	79°30'12.23"E
	D	25°35'59.99"N	79°30'11.31"E
	E	25°36'2.38"N	79°30'9.17"E
	F	25°36'3.27"N	79°30'8.81"E
17. Total Geological Reserves (Source: Approved Mining Plan)	3,84,465m <sup>3</sup>		
18. Total Mineable Reserves (Source: Approved Mining Plan)	53,490 m <sup>3</sup>		
19. Total Proposed Production (in five years)	35,050 m <sup>3</sup>		
20. Proposed Production/year	7,010 m <sup>3</sup> per annum		
21. Sanctioned Period of Mine lease	5 years		
22. Production of mine/day	26.96 m3/day (75.48 T/day), Bulk Density of the mineral = 2.8		

23. Method of Mining	Opencast, semi-mechanized	
25. Working hours/day	8 -10 hours/day	
26. No. Of Workers	27	
27. No. of vehicles movement/day	1 Units (Assumed Loading Capacity: 40 T/Unit)	
28. Type of Land	State Government Land	
29. Ultimate Depth of Mining	12 m (162 mRL – 150 mRL) (Source: Approved Mining Plan)	
30. Nearest metalled road from site	420 m	
31. Water Requirement	Purpose	Requirement (KLD)
	Drinking	0.135
	Suppression of Dust	2.52
	Plantation	1.4
	Total	4.05
32. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/2124/RA0245, Valid Till August 24/2024	
33. Any litigation pending against the project or hand in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), letter No. 1950/ खनिज-M.M.C30-Vividhi (2020-2021), Hamirpur, Dated 24/12/2020,	
35. Details of Lease Area in approved DSR	Approved DSR, Hamirpur Page No 64, Table No. 21, Sr No. 7	
36. Proposed CER Cost	Rs. 4.27 Lakhs (5% of the total Project Cost)	
37. Proposed EMP Cost	Rs. 16.42 Lakhs	
38. Length and width of Approach Road	Approach Road Length 180 m & Width 7 m	
39. No. of Trees to be Planted	700 Trees	

5. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category–I(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 14/03/2023 mentioning is as follows:

1. I Mr. Akhilesh Gupta S/o Sri. Omkar Gupta is EIA Coordinator of M/s Globus Environment Engineering Services.
2. I have prepared the EIA/EMP report for the proposal SIA/UP/MIN/60641/2021 in Name of Mr. Jagdish Singh, S/o Shri Jasiram.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied that all the necessary data/ information submitted along with Application / EIA/ EMP are true and correct.
5. I certify that this project proposal has been uploaded for the first time on PARIVESH Portal for the Proposal no SIA/UP/MIN/60641/2021 and the proposal earlier uploaded was withdrawal HAVING proposal no. SIA/UP/MIN/74920/2021, file no 7068 and the SEAC-2 has also withdraw the Minutes of 678th SEAC-2 Meeting Dated 08/08/2022 for the proposal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.

8. Thu EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO. 08**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes. The committee also stipulated the following specific conditions:**

1. Project Proponent should submit action plan for carrying out plantation at least @1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.
2. The project proponent shall install solar light in their site office.
3. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
4. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
5. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
6. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
12. The project proponent should explore the possibilities of rainwater harvesting.
13. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.

14. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
15. As per the proposed plan, plantation with area specific plant species, number of plants to be Planted and report of green belt development to be submitted to the Forest Department, UPPCB and Directorate of Environment, UP.

**(Dr. Brij Bihari Awasthi)**  
**Member**

**(Dr. Ajai Mishra)**  
**Member**

**(Dr. Ratan Kar)**  
**Member**

**(Ashish Tiwari)**  
**Member-Secretary, SEAC**

**(Rajive Kumar)**  
**Chairman**

**Nodal, SEAC-1**

MoM prepared by Secretariat in consultation with  
Chairman & Members on the basis of decisions  
taken by SEAC-1 during the meeting.

**Annexure-1**

**General and Specific Conditions for Gitti, Patthar & Boulder Mining Projects: -**

**A. General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31<sup>st</sup> December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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.
16. A separate Environmental Management Cell with suitably qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
18. The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purposes. The year-wise expenditure shall be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board

19. The Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board shall monitor compliance with the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other documents information should be given to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat, and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit a regular half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

**B. Specific Conditions:**

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05 ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05 ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan whichever is less. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.
6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
7. A comprehensive EIA including mining areas within 15 K.M. to assess the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.
10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise



- afforestation programme including rehabilitation of mined-out area shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
  14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc. and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
  15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
  16. Maintenance of village roads used for transportation of minerals is to be done by the company regularly at its own expenses. The link roads from mining area to main road shall be constructed as all-weather road with black topping and maintained by the project proponent.
  17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board .The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area, roads and green belt development etc.
  18. Status of implementation shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
  19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
  20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
  21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs if any flowing through the ML area and silts arrested. De silting at regular intervals shall be carried out.
  22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de silted at regular intervals.
  23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.
  24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
  25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
  26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the

- recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
  28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
  29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
  30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
  31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
  32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
  33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
  34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., premonsoon (April May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.
  35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
  36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
  37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.

38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
44. The blasting will be done only after getting permission from the Mining Department.