

Minutes of 583rd SEAC-1 Meeting Dated 21/10/2021

The 583rd meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 21/10/2021. Following members participated in the meeting:

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|----|-----------------------------|---------------------------|
| 1. | Shri Rajive Kumar, | Chairman, SEAC-1 |
| 2. | Shri Om Prakash Srivastava, | Member, SEAC-1 |
| 3. | Dr. Brij Bihari Awasthi, | Member, SEAC-1 |
| 4. | Shri Umesh Chandra Sharma, | Member, SEAC-1 |
| 5. | Dr. Ratan Kar, | Member, SEAC-1(Virtually) |

The Chairman welcomed the members to the 583rd 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.

General Discussion:

The committee directed that in the interest of the lower section of the society any project related to soil mining should be placed before the committee at the earliest.

1. Ekikrit Mandaliva Karyalya at Arazi Chhawani, Tappa & Pargana-Haveli, Tehsil-Sadar, Gorakhpur, U.P., M/s Executive Engineer, Gorakhpur Development Authority. File No. 6469/Proposal No. SIA/UP/MIS/222165/2021

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 Sawen Consultancy Services Pvt. Ltd., Lucknow, U.P. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Ekikrit Mandaliva Karyalya at Arazi Chhawani, Tappa & Pargana-Haveli, Tehsil-Sadar, Gorakhpur, U.P., M/s Executive Engineer, Gorakhpur Development Authority.
2. Salient features of the project:

Plot area	12541.84 m ²
Built-up Area	42708.86 m ² (Main Building+ Advocate Block)
Total Expected Population	1890 Persons
Source of water supply	1 no Borewell
Electricity supply	33 KV
Total Consumption of Water	81 KLD
Total MSW generated	452.5 Kg/Day
STP capacity	80 KLD
No of Rain Water Harvesting Pit	3 no. (Dimension: 7 m × 7 m × 7 m)
Parking details	560 ECS
Total Project Cost	181.34 Crore

3. Land use details:

S.N.	Particulars	Area (m ²)	Percentage (%)
1.	Ground Coverage	4591.98	36.60
2.	Green Area	2341.39	18.68
3.	Parking Area, Road & Open Area	5608.47	44.72
Total Plot Area		12541.84	100

4. Population details:

S.No	Description	Total population
1	Officers	1390
2	Service staff	300
3	Visitors	200
Total Expected Population		1890

5. Water requirement details:

S.No	Water use	Population	Per Capital in (LPCD)	Water Requirement (KLD)	Waste Water Generation (KLD)
1	Officer	1390	86	62.55	50.04
2	Staff	300	45	13.5	10.8
3	Visitors	200	15	3	2.4
Domestic Water Requirement				79.05	63.24
4	Green Area	2341.39	1.0 l/m ²	2.3	-
Total water Requirement				81.4	63.24

6. Municipal Solid waste details:

S.no.	Description	Population	Per capita MSW generation as per GRIHA (Kg/day)	Total MSW generation (Kg/day)	Biodegradable /Compostable (50%) (Kitchen and garden waste)	Recyclable (18%) (metals, glass, paper, plastics)	Non-compostable (32%) (inert wastes)
1	Officer	1390	0.25	347.5	173.75	62.5	111.25
2	Staff	300	0.25	75	37.5	13.5	24
3	Visitors	200	0.15	30	15	5.4	9.6
Total				452.5	226.25	81.4	144.8

7. Landscape plan:

S.no.	Description	Units
1	Total plot area	12541.84 sqm
2	Total green area	2341.39 sqm
3	Softscaping area (tree plantation)	1881.27 sqm
4	Hardscaping area (gardening)	460.12 sqm
5	Required number of trees at 1 tree per 80 sqm	157 nos.
6	Proposed number of trees at 3.5 m x 3.5 m for 1 tree in softscaping area	158 nos.

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

RESOLUTION AGAINST AGENDA NO-01

The committee discussed the matter and recommended grant of environmental clearance on the proposal as above along with the following standard environmental clearance conditions prescribed by MoEF&CC, Govt. of India:

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 lightening 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 carry out 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. Diesel power generating sets 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 in consultation with State Pollution Control Board.
 5. The 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.
 6. Sand, murrum, loose soil, cement, stored on-site shall be covered adequately so as to prevent dust pollution.
 7. Wet jet shall be provided for grinding and stone cutting.
 8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
 9. 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.
 10. 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.
 11. 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. 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.
 12. For indoor air quality, the ventilation provisions as per the 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 the 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 bylaw 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 25th 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. Permission from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ nearby drains disposal/drainage systems along with the final disposal point should be obtained.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. 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.
10. 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).
11. 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.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
14. 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.
15. 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.
16. 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. Granite Mining at Gata No.-983, Village- Makarbai, Tehsil & District-Mahoba., M/s U.P. Expressways Industrial Development Authority (UPEIDA), Leased Area -19.626 ha. File No. 6528/Proposal No. SIA/UP/MIN/ 67079/2021

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 Paramarsh (Servicing Environment and Development), Lucknow, U.P. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The terms of reference is sought for Granite (Gitti/ Boulder) Mining at Gata No.- 983, Village- Makarbai, Tehsil- Mahoba, District- Mahoba, M/s U.P. Expressways Industrial Development Authority (UPEIDA), (Applied Area-19.626 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/67079/2021		
2.	File No. allotted by SEIAA, UP	6528		
3.	Name of Proponent	U.P. EXPRESSWAYS INDUSTRIAL DEVELOPMENT AUTHORITY (UPEIDA)		
4.	Full correspondence address of proponent	Add.- C-13 Second Floor, Paryatan Bhawan, Vipin Khand, Gomati Nagar, Lucknow, U.P.		
5.	Name of Project	Granite (Gitti/ Boulder) Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 983		
7.	Name of Village	Makarbai		
8.	Tehsil	Mahoba		
9.	District	Mahoba		
10.	Name of Minor Mineral	Granite (Gitti/ Boulder)		
11.	Sanctioned Lease Area (in Ha.)	19.626 ha.		
12.	Max.& Min mRL within lease area	236 mRL- 179 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 20' 09.826"N	79° 59' 34.991"E
		B	25° 20' 10.064"N	79° 59' 38.288"E
		C	25° 20' 09.477"N	79° 59' 39.667"E
		D	25° 20' 07.425"N	79° 59' 40.858"E
		E	25° 20' 08.843"N	79° 59' 44.624"E
		F	25° 20' 09.773"N	79° 59' 47.399"E
		G	25° 20' 09.719"N	79° 59' 49.189"E
		H	25° 20' 02.396"N	79° 59' 50.492"E
		I	25° 19' 55.772"N	79° 59' 50.730"E
		J	25° 19' 47.031"N	79° 59' 50.554"E
		K	25° 19' 48.259"N	79° 59' 49.679"E
		L	25° 19' 48.500"N	79° 59' 48.065"E
		M	25° 19' 48.281"N	79° 59' 47.644"E
		N	25° 19' 48.194"N	79° 59' 45.941"E
		O	25° 19' 48.630"N	79° 59' 45.704"E
		P	25° 19' 49.127"N	79° 59' 47.119"E
		Q	25° 19' 50.879"N	79° 59' 46.522"E
		R	25° 19' 50.206"N	79° 59' 45.941"E
		S	25° 19' 51.532"N	79° 59' 45.621"E
		T	25° 19' 55.135"N	79° 59' 43.187"E
		U	25° 19' 56.572"N	79° 59' 43.738"E
		V	25° 19' 57.878"N	79° 59' 45.376"E

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		W	25° 19' 56.658"N	79° 59' 46.838"E
		X	25° 19' 57.021"N	79° 59' 47.288"E
		Y	25° 20' 01.251"N	79° 59' 44.376"E
		Z	25° 20' 00.067"N	79° 59' 43.523"N
		A-1	25° 19' 58.087"N	79° 59' 43.331"E
		A-2	25° 19' 57.395"N	79° 59' 42.133"E
		A-3	25° 19' 57.431"N	79° 59' 41.471"E
		A-4	25° 19' 55.941"N	79° 59' 40.023"E
		A-5	25° 19' 58.641"N	79° 59' 37.648"E
		A-6	25° 20' 01.427"N	79° 59' 33.748"E
		A-7	25° 20' 02.753"N	79° 59' 34.717"E
		A-8	25° 20' 04.672"N	79° 59' 32.539"E
		A-9	25° 20' 07.318"N	79° 59' 32.784"E
		A-10	25° 20' 08.257"N	79° 59' 34.187"E
14.	Total Geological Reserves	29542968 m ³		
15.	Total Mineable Reserves	10478744 m ³		
16.	Total Proposed Production (in two year)	785040 m ³		
17.	Proposed Production / year	Year	Production	
		1 st	392520 m ³	
		2 nd	392520 m ³	
		Total	785040 m ³	
18.	Sanctioned Period of Mine lease	2 Years		
19.	Production of mine/day	1308.4 m ³ (approx.)		
20.	Method of Mining	Opencast Semi-Mechanized		
21.	No.of working days	300 days		
22.	Working hours/day	8 Hours/Day		
23.	No.Of workers	57		
24.	No.Of vehicle movement /day	131 (approx.)		
25.	Type of Land	Govt. revenue land		
26.	Ultimate Depth of Mining	30.0 meter (average)		
27.	Nearest metalled road from site	500m		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.60	
		Suppression of dust	3.00	
		Plantation	2.00	
		Others(if any)	-----	
		Total	5.60	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-19/10/2021		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 362/MMC-30/2021-22, Dated 09 th June, 2021		
32.	Details of Lease Area in approved DSR	Letter No.-8471/MMC-30-khanij/ 2020-21. Dated 10-03-2021 at Page No.-01, S.No.- 03		
33.	Proposed CER cost	2.50 Lakh		

34.	Proposed EMP cost	31.42 Lakh
35.	Length and breadth of Haul Road.	Length- 500m, Width- more than 6.0 m
36.	No. of Trees to be Planted	1965

3. 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.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-02

The remaining committee discussed the matter and recommended to issue the terms of reference (ToR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated the following additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.
2. During the EIA presentation the UPEIDA should explain that who will be the responsible authority for any violation of environment clearance condition that would be laid down. If the UPEIDA feels that the M/s Affco shall be the responsible for it then M/s Affco should submit a commitment letter regarding it.
3. Project Proponent//Consultant has submitted that they have conducted 3 month monitoring during the period of January 2020 to February 2021, To validate the data, they have to conduct one month monitoring more.

3. Soil Excavation at Gata No.-133, 408, Village- Kharagpur Jagatpur, District- Moradabad, Shri Mohammad Rafi, Area-1.934 Ha. File No. 6479/Proposal No. SIA/UP/MIN/221565/2021

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 Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for “Ordinary Soil Excavation” at Gata No.-133, 408, Village-Kharagpur Jagatpur, Tehsil & District- Moradabad, Uttar Pradesh. (Area:1.934 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/221565/2021
2.	File No. allotted by SEIAA, UP	6479
3.	Name of Proponent	Shri. Mohd. Rafi
4.	Full correspondence address of proponent and mobile no.	Shri.Mohd. Rafi S/o Shri Shamuddi Village- MilakBujpur Asha, P.O-Veerpur Than, Tehsil & District Mordabad U.P.
5.	Name of Project	Proposed “Ordinary Soil Excavation” Project Mohd. Rafi at Gata No.-133, 408, Village-Kharagpur Jagatpur, Tehsil & District- Moradabad, Uttar Pradesh. (Area:1.934 Ha.).
6.	Project Location(Khsra/Gata/Araji No.)	Gata No.- 133,408
7.	Name of Village	Kharagpur Jagatpur
8.	Tehsil	Moradabad

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9.	District	Moradabad	
10.	Name of Minor Mineral	Ordinary Soil Excavation	
11.	Sanctioned Lease Area (in Ha.)	1.934 Ha.	
12.	Max. & Min mRL within lease area	202 mRL& 200.00mRL	
13.	Pillar Coordinates (Verified by DMO)	GATA NO.	133
		A	28°51'33.57"N 78°52'58.34"E
		B	28°51'36.42"N 78°53'00.65"E
		C	28°51'33.96"N 78°53'04.15"E
		D	28°51'31.24"N 78°53'01.82"E
		GATA NO.	408
		A	28°51'23.56"N 78°53'22.80"E
		B	28°51'24.93"N 78°53'24.07"E
		C	28°51'22.41"N 78°53'27.33"E
		D	28°51'21.20"N 78°53'26.25"E
14.	Total Geological Reserves	42548m ³ (3 months)	
15.	Total Mineable Reserve	25000m ³ (3 months)	
16.	Total Proposed Production	25000m ³ (3 months)	
17.	Total Proposed Production in 3months	25000m ³	
18.	Sanctioned Period of Mine lease	3 months	
19.	Production of mine/day	278m ³	
20.	Method of Mining	Open cast Manual/ Semi Mechanized Mining	
21.	No. of working days	90 Days	
22.	Working hours/day	8 Hours	
23.	No. of worker	25 Workers	
24.	No. of vehicles movement/day	31 Trucks / Day (Depending on market demand)	
25.	Type of Land	Pvt. Land (Uneven Agricultural Land)	
26.	Ultimate of Depth of Mining	2.2 m	
27.	Nearest metalled road from site	1.10Km	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.25 KLD
		Suppression of dust	2.46 KLD
		Plantation	0.1KLD
		Others (if any)	
		Total	2.81 KLD (Approx. 3.00 KLD)
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-10-2021	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-47/Khanij/2021 Date-4.6.2021	
32.	Proposed CER cost	2% of total project cost i.e. Rs.50,040	
33.	Proposed EMP cost	3.88 Lakhs	
34.	Length and breadth of Haul Road	410mt Length & 6m width haulage road	
35.	No. of Trees to be Planted	25Trees	

3. 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.

4. This project does not attract any of the general conditions applicable on mining projects specified

in EIA Notification 14/09/2006.

5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-03

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-2 to these minutes.

4. Soil Excavation at Gata No.-152, 156, 184 & 226 Mi, Village- Baripur, District- Moradabad. Shri Pawan Kumar, Area-1.165 Ha. File No. 6480/Proposal No. SIA/UP/MIN/222921/2021

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 Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for “Ordinary Soil Excavation” at Gata No.–152, 156, 184, 226Mi Village-Baripur, Tehsil & District- Moradabad, Uttar Pradesh. (Area:1.165 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/222921/2021
2.	File No. allotted by SEIAA, UP	6480
3.	Name of Proponent	Shri. Pawan Kumar
4.	Full correspondence address of proponent and mobile no.	Vill- Mohiuddinpur (KamelpurDhanora) Tehsil & District Amroha U.P.
5.	Name of Project	Proposed “Ordinary Soil Excavation” Project Pawan Kumar at Gata No.–152, 156, 184, 226Mi, Village-Baripur, Tehsil & District- Moradabad, Uttar Pradesh. (Area:1.165 Ha.).
6.	Project Location(Plot.Khsra/Gata/Araji No.)	Gata No.– 152, 156, 184, 226Mi
7.	Name of Village	Baripur
8.	Tehsil	Moradabad
9.	District	Moradabad
10.	Name of Minor Mineral	Ordinary Soil Excavation
11.	Sanctioned Lease Area (in Ha.)	1.165 Ha.
12.	Max. & Min mRL within lease area	202 mRL& 200.00mRL
13.	Total Geological Reserves	29125m ³ (3 month)
14.	Total Mineable Reserve	13000m ³ (3 month)
15.	Total Proposed Production	13000m ³ (3 month)
16.	Total Proposed Production in 3months	13000 m ³
17.	Sanctioned Period of Mine lease	3 months
18.	Production of mine/day	144m ³
19.	Method of Mining	Open cast Manual/ Semi Mechanized Mining
20.	No. of working days	90 Days
21.	Working hours/day	8 Hours

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22.	No. of worker	25 Workers	
23.	No. of vehicles movement/day	16 Trucks / Day (Depending on market demand)	
24.	Type of Land	Pvt. Land (Uneven Agricultural Land)	
25.	Ultimate of Depth of Mining	2.5 m	
26.	Nearest metalled road from site	1.30Km	
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.25 KLD
		Suppression of dust	4.41 KLD
		Plantation	0.1KLD
		Others (if any)	
		Total	4.76 KLD (Approx. 5.00 KLD)
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-10-2021	
29.	Any litigation pending against the project or land in any court	No	
30.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-146/Khanij/2021 Date-20.7.2021	
31.	Proposed CER cost	2% of total project cost i.e. Rs.50,040	
32.	Proposed EMP cost	3.88 Lakhs	
33.	Length and breadth of Haul Road	410mt Length & 6m width haulage road	
34.	No. of Trees to be Planted	25Trees	

3. 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.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-04

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-2 to these minutes.

5. Soil Excavation at Gata No.-27, 72, Village- Imaratpur Udhaw, Tehsil-Bilari, Moradabad., Shri Mohd. Akhlak., Area-1.805 Ha. File No. 6481/Proposal No. SIA/UP/MIN/222017/2021

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 Environmental Research and Analysis, Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Soil Excavation at Gata No. 27, 72, Village- Imaratpur Udhaw, Tehsil-Bilari, Moradabad, U.P. (Leased Area-1.805 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/222017/2021
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2. File No. allotted by SEIAA, U.P	6481			
3. Name of Proponent	Mohd. Akhlak S/o Shri Mohd. Ishak			
4. Full correspondence address of proponent	R/o- Village- Pandit Nagala, Tehsil & District- Moradabad (U.P.)			
5. Name of Project	Ordinary Soil Excavation Project			
6. Project location (Plot/Khasra/Gata No. / khand No.)	Gata No. – 27, 72			
7. Name of River	Ram Ganga River7.50 Km towards East direction from Project Site.			
8. Name of Village	Imaratpur Udhaw			
9. Tehsil	Bilari			
10. District	Moradabad, Uttar Pradesh.			
11. Name of Minor Mineral	Ordinary Soil Excavation Project			
12. Sanctioned Lease Area (in Ha.)	1.805 Ha.			
13. Mineable Area (in Ha.)	1.444 Ha.			
14. Zero level mRL	NA			
15. Max. & Min mrl within lease area	Max. 200 mRL & Min 198 mRL			
16. Pillar Coordinates (Verified by DMO)	Gata NO.	Points	GPS Coordinates	
			Latitude	Longitude
	27	A	28°45'9.11"N	78°45'35.04"E
		B	28°45'6.28"N	78°45'37.78"E
		C	28°45'5.45"N	78°45'36.65"E
		D	28°45'8.19"N	78°45'33.97"E
	72	A	28°45'14.71"N	78°45'20.70"E
		B	28°45'10.08"N	78°45'25.90"E
		C	28°45'8.51"N	78°45'24.10"E
D		28°45'13.00"N	78°45'19.03"E	
17. Total Geological Reserves	31,768 m ³			
18. Total Mineable Reserves in LOI	28,000 m3 in Six months			
19. Total Proposed Production	28,000 m3 in Six months			
20. Proposed Production/year	4666.67m ³ / month			
21. Sanctioned Period of Mine lease	6 months			
22. Production of mine/day	80.6 m ³ / day			
23. Method of Mining	Open Cast & Semi Mechanized and loading with the help of one excavator.			
24. No. of working days	180 days			
25. Working hours/day	8 hours/day			
26. No. Of workers	Approximately 21 workers			
27. No. Of vehicles movement/day	Approximately 12-13 movements per day			
28. Type of Land	Ordinary Soil Excavation Project			
29. Ultimate Depth of Mining	2.2 meter			
30. Nearest metalled road from site	SH- 25 is located at 2.79 km towards West direction.			
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)	
	Drinking		0.31	
	Suppression of dust		9.36	
	Plantation		0.01	
	Others (if any)		-	
	Total		9.7 KLD Approx.	
32. Name of QCI Accredited Consultant with	M/s Environmental Research and Analysis,			

QCI No And period of validity.	Lucknow(U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 December,2022
33. Any litigation pending against the project or land in any court	No
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 150/khanij/2021 on dated 20/07/2021
35. Details of Lease Area in approved DSR	NA
36. Proposed EMP cost	Rs 1,70,950/-
37. Proposed EMP cost/ Total Project cost	Rs. 8,00,000/-
38. Length and breadth of Haul Road	390 m length and 6 m width
39. No. of Trees to be Planted	10

3. 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.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-05

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-2 to these minutes.

6. Sand/ Morrum Mining from Yamuna River Bed at Khand No.- 16/23 to 16/25, Village-Mahewa, Tehsil-Manjhanpur, Kaushambi, U.P., M/s Addija Mines and Construction Pvt. Ltd.Area: 16.50 ha. File No. 6538/Proposal No. SIA/UP/MIN/ 65259/2021

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 Geogreen Enviro House, Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:

The Project Proponent/Consultant informed the committee that the Geo-coordinates are correct but there is a mismatch in one coordinates. Project Proponent/Consultant also informed the committee that the substantial lease area is submerged in water therefore the quantity mentioned in letter of intent needs to be revised.

RESOLUTION AGAINST AGENDA NO-06

The committee observed that the Geo-coordinates that is given in the map and what is mentioned in mining plan are different. The committee directed the Project Proponent/Consultant to get the Geo-coordinates corrected.

It is also advised to approach to the competent authority, Directorate of Geology and mining for revision of mining quantity.

The committee also directed that the project proponent he should submit map on ammonia print paper. Only after the submission of the aforesaid information the case shall be considered. The file shall not be treated as pending at SEAC-1. The matter will be discussed only after submission of online request on prescribed portal.

7. Soil Mining at Khasra No./Gata No.- 42, Village- Sohilpur, Tehsil-Ramsanehighat, Barabanki, Shri Sarvesh Kumar Yadav, Area-0.122 ha. File No. 6565/Proposal No. SIA/UP/MIN/228943/2021

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 Green enviro engineers Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Ordinary Earth Mining at Araj/Gata nos.- 42, Village-Sohilpur, Tehsil-Ramsanehighat & District-Barabanki, U.P., (Leased Area-0.122 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/228943/2021			
2.	File No. allotted by SEIAA, UP	6565			
3.	Name of Proponent	Sarvesh Kumar Yadav S/o Kallu			
4.	Full correspondence address of proponent and mobile no.	Sarvesh Kumar Yadav R/o- Village- Lalpur Majre, Lalpur Rajpur, Ramsanehighat, Barabanki, Uttar Pradesh.			
		Mobile no.-			
		E-mail Id- sarveshkumaryadav5418@gmail.com			
5.	Name of Project	Ordinary Earth Mining Village –Sohilpur, Tehsil-Ramsanehighat, District–Barabanki, Uttar Pradesh			
6.	Project Location (Plot.Khasra/Gata No.)	Gata No.-42, Village –Sohilpur, Tehsil- Ramsanehighat, District–Barabanki, Uttar Pradesh			
7.	Name of River	NA			
8.	Name of Village	Sohilpur			
9.	Tehsil	Ramsanehighat			
10.	District	Barabanki			
11.	Name of Minor Mineral	Ordinary earth			
12.	Sanctioned Lease Area (in Ha.)	0.122 ha.			
13.	Max. & Min mRL within lease area	108mRL, 107mRL			
14.	Pillar Coordinates (Verified by DMO)	Plot No.	Points	Latitude	Longitude
		42	A	26°51.089'N	81°28.404'E
			B	26°51.085'N	81°28.414'E
			C	26°51.053'N	81°28.395'E
			D	26°51.057'N	81°28.385'E
15.	Total Geological Reserves	2684 m ³			
16.	Total Mineable Reserve (as per Approved Mine Plan)	2174 m ³			
17.	Total Proposed Production	2174 m ³ (for 3 months)			
18.	Proposed Production /year	2174 m ³ (for 3 months)			
19.	Sanctioned Period of Mine lease	03 months			
20.	Production of mine/day	24 m ³ /day			
21.	Method of Mining	Opencast, Semi-Mechanized			
22.	No. of working days	90			

23.	Working hours/day	8	
24.	No. of worker	14	
25.	No. of vehicles movement/day	04	
26.	Type of Land	Private land	
27.	Ultimate of Depth of Mining	2.2m	
28.	Nearest metalled road from site	110m	
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.42 KLD
		Suppression of dust	0.44 KLD
		Plantation	0.05 KLD
		Total	0.91 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Green enviro engineers Pvt. Ltd. Certificate No. NABET/EIA/2124/IA0086 Valid till September 20, 2024	
31.	Any litigation pending against the project or land in any court	No	
32.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 622 A.J.A-II	
33.	Details of Lease Area in approved DSR	0.122 ha.	
34.	Proposed CER cost	Rs. 4000 (2% of project cost)	
35.	Proposed EMP cost	Total project cost- Rs. 2 lakhs	
36.	Length and breadth of Haul Road	110m & 6m	
37.	No. of Trees to be Planted	25	

3. 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.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

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-2 to these minutes.

8. Development of "Ganga Expressway" from Meerut to Prayagraj an Access Controlled Greenfield Expressway Project, (Ch.7+900-Ch.601+847 Km) Total Length-593.947 Km. M/s UPEIDA. File No. 6186/Proposal No. SIA/UP/NCP/60685/2021

The committee noted that an application dated 10/02/2021 was made by the project proponent for the Environmental Clearance of Development of "Ganga Expressway" from Meerut to Prayagraj an Access Controlled Greenfield Expressway Project, (Ch.7+900-Ch.601+847 Km) Total Length-593.947 Km. M/s Uttar Pradesh Expressways Industrial Development Authority (UPEIDA). The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 51/Parya/SEIAA/6186/2021 dated 10/06/2021. EIA report submitted by the project proponent on 03/10/2021.

The project proponent also informed the committee that as per amendment in EIA Notification, 2006, vide S.O. 382, dated 03/02/2015 Public Hearing is not applicable for all linear project such as Highways, Pipelines etc in border states. Uttar Pradesh is a border state having its International Border with Nepal. Hence Public Hearing is exempted for the project proposal.

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 Centre for Envotech & Management Consultancy Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Development of "Ganga Expressway" from Meerut to Prayagraj an Access Controlled Greenfield Expressway Project, (Ch.7+900-Ch.601+847 Km) Total Length-593.947 Km. M/s Uttar Pradesh Expressways Industrial Development Authority (UPEIDA).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 51/Parya/SEIAA/6186/2021 dated 10/06/2021. EIA report submitted by the project proponent on 03/10/2021.
3. The proposed Ganga Expressway starts from Meerut-Bulandshahar road (NH-334) near village Bijoli (Dist. Meerut) (Ch: 7+900) & terminates at Prayagraj Bypass on NH-19 near village Judapur Dando (Dist. Prayagraj) (CH 601+847).
4. Salient features of the project:

1.	Project Name	Proposed Development of "Ganga Expressway" from Meerut to Prayagraj, an Access Controlled Greenfield Expressway Project, (CH 7+900 to CH 601+847 Km) Total Length – 593.947 Km
2.	Location of the sub project road	The proposed Ganga Expressway starts from Meerut - Bulandshahr Road (NH-334) near village Bijoli (Dist. Meerut) (Ch: 7+900) & terminates at Prayagraj Bypass on NH-19 near village Judapur Dando (Dist. Prayagraj) (CH 601+847).
3.	No. of Towns and Villages falling along the project road	Meerut District: 09 villages Hapur District: 29 villages Bulandshahr district: 08 villages Amroha district: 25 villages Sambhal district: 31 villages Badaun district: 85 villages Shahjahanpur district: 41 villages Hardoi district: 88 villages Unnao district: 76 villages Raebareli district: 63 villages Patapgarh district: 43 villages Prayagraj district: 20 villages Total: 518 villages
4.	Total design length of the project	593.947 km
5.	Total Area of Land Acquisition	Total Land Acquisition: 7463.44 Ha.
6.	Forest Land	Forest Land to be affected-121.47 ha
7.	Terrain	Plain/Rolling
8.	Seismic Zone	Zone II, III and IV
9.	Geographical Location	Starting Point: 28°51'53.93"N, 77°44'28.76"E Ending Point: 25°34'57.22"N, 81°48'45.41"E
10.	No. of Existing Bridges	Major Bridges – 14 Nos.

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		Minor Bridges – 126 Nos.
11.	Total Culverts	946 Nos
12.	Right of Way	120 m
13.	Safety Measure	Lighting all along including High Masts at Toll plazas, interchanges, major bridges / ROB's and Amenities and Truck Parking Areas
14.	Total Project Cost / per km (including Civil, LA, R&R, Utility Shifting and Forest, Environment)	Rs 36229.67 Cr / 61 Cr (approx.)
15.	Water bodies Impacted	140 locations (Rivers / Streams / Canals / Nallahs). Sufficient nos. of cross drainage structures has been proposed to avoid any impact on them.
16.	Existing trees within ROW	1,95,193
17.	Compensatory plantation	Approx. 16, 83, 000 nos. of avenue plantation will be carried out as per IRC SP-21 and National Green Highway policy 2015 within the available ROW
18.	Green belt development	As per IRC SP 21:2009 / MoRTH Code / Guidelines
19.	Street Light	External and Internal Lighting will be as per section-15 of the "Manual". Street Lighting shall be provided at the locations of toll / ramp plaza, interchanges/slip roads and lighting on structures such as major bridges, ROB's, Flyovers, Minor Bridges and Underpasses including high mast at toll plaza, interchange/slip roads. A power connection of appropriate load (including load other than illumination such as load of air conditioner, computers, other instruments installed on toll/ramp plaza, load required due to solar plant) shall be taken from state electricity department
20.	High Mast Light	The High mast lightings have been proposed along the project locations in interchange locations, Rest area and Toll plaza.
21.	Cost for Environmental Management Plan	Total: Rs 393 Crores
22.	Cost for Land Acquisition	Rs. 9255 Crores (Not taken separately as Land has been purchased with mutual consent and compensation at Four times Circle Rate has been paid)
23.	Rain water harvesting	Rainwater harvesting structures will be provided at the interval of 500 m on either side of carriageway as per availability of RoW. 2380 nos. of structures will be constructed all along the expressway. The total cost of the rainwater harvesting structures including its maintenance is Rs. 111.32 crores and this cost has been covered in the EMP cost.

5. List of major rivers crossing the alignment:

S.No	River	Chainage	Span
1	Kali River	17+727	3X30
2	Ganga River	66+850	16X60
3	Sot River	157+356	3 X 35
4	Aril River	207+740	3 X 30
5	Ramganga River	217+920	12 X 60
6	Baghul River	238+190	4 X 38
7	Garra River	317+923	4 X 60

6. Water requirement & source:

- The peak water requirement for the project will be 69820894 KL during construction stage. The water requirement should be extracted from local surface/ground water (which is easily available) after taking necessary permission before the construction of the project.
- Break-up of required water:

Purpose	Peak (KL)	Source
Road Construction	48874626	Local surface/ground water
Dust suppression	13964179	
Others (including drinking and domestic purposes)	6982089	
Total	69820894	

7. Employment details :

- During the construction of the road project around 12000 persons would be employed temporarily. However due to construction of toll plazas approx. 100 persons will be employed on permanent basis.

8. Structure Details:

- The proposed expressway involves 140 nos. of River/Stream/Canal/Nallah, 7 nos. of ROB, 17 no. of Interchanges, 14nos. of Major Bridge, 126 nos. of Minor Bridge, 28 nos. of Fly Over, 50 nos. of VUP, 171 nos. of LVUP, 160 nos. of SVUP and 946 nos. of culverts along the project stretch.

9. Eco-sensitive Zone & Critical Polluted Area:

- Sandi Bird Sanctuary (approx. 4.6 km) (ESZ notified vide S.O. 2776(E), dated 30.07.2019), District Hardoi.
- Shaheed Chandrashekhar Azad Bird Sanctuary (Nawabganj) (Approx. 8.5 km) - (ESZ notified vide S.O. 3153(E), dated 29.08.2019), District Unnao.
- Samaspur Bird Sanctuary (Approx. 3.5 km) - (ESZ notified vide S.O. 3529(E), dated 26.09.2019), District Raebareli.
- Proposed project do not pass through any Critically Polluted Area (CPA)/Severely Polluted Area (SPA) as specified by CPCB/ Ministry of Environment, Forests & Climate Change, Govt. of India.
- Bulandshahar-Khurja (Sl.No.-5) with CEPI score 85.23 (Critically Polluted Area) falls at a distance of 37 km and 47 km from proposed alignment.

10. The project proposal falls under category-7(f) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-08

The committee discussed the matter and recommended to grant the environmental clearance for the above project proposal along with following general and specific conditions:

General Conditions:

1. A comprehensive EIA shall be undertaken taking into view conditions stipulated in this clearance also and submitted to this Authority within 02 years of commencement of the project. The comprehensive EIA study should also include:
 - I. The detailed impact analysis under the scope of work particularly the impact on ambient air quality interpreting the incremental concentration of the various parameters based on air quality models.
 - II. The specific target group in the predominant wind directions.
 - III. Critical traffic analysis for the construction and the operation phases based on eco-friendly fuels in order to formulate an action plan to keep the surrounding air quality confirming to its present level/the prescribed norms.

- IV. Efforts to utilize the fly ash to the maximum level and the natural clay/soil to the minimum level should be made.
2. Permission for any tree felling shall be taken from Forest Department as per law. In addition to the proposed compensatory plantation (3 Trees planted for every tree cut) it shall be ensured that adequate plantation on both sides of proposed expressway shall be undertaken with shade giving, ecologically friendly, sound absorbing and native species of trees to attenuate probable air and noise pollution. A densely populated green belt in both sides of the expressway shall be developed.
 3. The implementation of the environmental management plan should be reviewed every 06 months by the project proponents and the Action Taken Report should be submitted to this authority, UPPCB, and the concerning District Magistrate.
 4. The project proponent will set up separate environmental management cell for effective implementation of the EMP etc as well as stipulated environmental safeguards under the supervision of a Senior Experienced Executive.
 5. Full support should be extended to concerned officers/authorities by the project proponents during their inspection of the project for monitoring purposes by furnishing full details and action plan, including action taken reports in respect of mitigative measures and other Environmental protection activities.
 6. A Six Monthly monitoring report should be submitted to the Authority regarding the implementation of the stipulated conditions.
 7. The E.I.A. Authority or any other competent authority may stipulate any other conditions or environmental safeguards, subsequently, if deemed necessary, which should be complied with.
 8. First aid centers along the highway should be identified with referral facility for nearby trauma centers for causality management.
 9. Regular noise levels should be monitored during construction and operation phase.
 10. The date and place of sampling of water testing should be provided along with the quality of water as suitable for drinking purposes alongwith compliance report.

b. Specific Conditions:

1. The choice of plant species should be such considered that it may nullify the effect of smog inversion effects at the expressway stretch during the winter season, the Project Proponent/ Consultant may take the opinion of forestry, horticulture, environmental experts and institute.
2. Source of water-required water shall be met by rivers and canals wherever it is possible. In no other option, borewell may be recommended after prior permission obtaining from competent authority.
3. Felling of trees only after obtaining NOC from the competent authority.
4. Vehicle having PUC certificate should be use.
5. Safe drinking water for labours should be provided.
6. 100 PPM, PM₁₀ must be achieved.
7. Continuous online AAQ monitoring at every 100 KM interval to be done.
8. Trauma center alongwith refreshment center at every 50 KM to be provided.
9. Drainage line and provision of lighting on both side of the road side should be provided.
10. Traffic light signal at each crossing and at diversion point to be provided.
11. Dedicated power supply should be ensured for the street light during night time.
12. Name of approaching town with mileage sign to be provided.
13. The wayside amenities such as garages, restaurants, petrol pumps, electric vehicle charging stations, toilets and other amenities will be provided on both side at every 50 km of proposed expressway.
14. Mining permission from competent authority should also be taken.
15. The construction work shall be undertaken in a manner that the active channel, flow and direction rivers coming under proposal should not be disturbed. The active channel width shall be as

certified by Central Water Commission and shall keep into account the flood flows also. The project in all its phases shall ensure that there is no such activity that may affect/result in change of flow (quantity and direction) of river or silting of the river or its tributaries.

16. The use of plastic waste in the construction of the Highway shall be explored. It is suggested that the crusher's dust can be used along with plastic waste in construction of road.
17. The fly ash generating potential of the surrounding areas shall be estimated and its use shall be explored in the proposed expressway.
18. 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.
19. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
20. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
21. 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.
22. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
23. All potable water sources near the right of way should be such that they meet drinking water criteria as prescribed. Necessary water recharge facilities shall be constructed near each potable water station.
24. Ground and surface water sources (including rivers and canals) will be used to meet the water requirement during construction phase of the project road subject to permission from the competent concerned authorities. Ways to minimize the water consumption including use of stored rain water should be explored and included in the comprehensive EIA as indicated in condition no. 1.
25. It shall be ensured that the alignment and other project areas are more than 05 Km away from (i) Protected areas notified under the Wild Life (Protection) Act, 1972 (ii) Critically polluted areas as notified by the Central Pollution Control Board from time to time (iii) Notified Eco-Sensitive areas (iv) Inter-State boundaries and international boundaries.
26. For any extraction of ground water, prior permission from CGWB shall be taken.
27. Construction material shall be so handled that wastes do not find their way into water bodies. Wastes shall be suitably collected and treated as per standards. Necessary consents shall be obtained from the competent authority in this regards.
28. Separate Environmental Clearances as applicable shall be obtained for any subsidiary activities like rest areas, automobile repair shops etc planned in the project area as per EIA notification.
29. Measures should be taken to protect the ponds along the proposed alignment that may likely to be affected. Wetlands within the study area of the project should be identified and it shall be ensured that there is no eco-degradation of these wetlands as a result of the project. Details shall be submitted with the comprehensive E.I.A.
30. The CNG station should be established for proper functioning of vehicles to control pollution on the proposed highway.
31. The operation and maintenance of dust monitoring to be reviewed after every six months.
32. Rain water harvesting sites should be developed where ever possible as per norms.
33. The project proponent should obtain necessary permission from the State Irrigation Department before drawing water from the river sources for the purpose of the proposed construction activity. Prior permission from the concerned Authority should be taken for any abstraction of groundwater.

34. Noise barriers should be provided at appropriate locations particularly in the areas where the alignment passes through inhabited areas, so as to ensure that the noise levels do not exceed the prescribed standards and comply with provisions given under Noise Rules 2000 (as amended) for silence zone as defined under the rules.
35. Rest areas with facilities like toilets and refreshment may be included along the expressway.
36. Provision of trauma center/medical facilities is to be provided on this expressway within convenient distance.
37. It is suggested that in between two ways of the road the height of the divider on both side of the green verge should be such that no traffic like motorcycle, cycle, and tractor can cross over. It is also suggested that it will be better if in between two roads strong railing could be provided with sufficient height.
38. Overloading factor should be adequately incorporated during design and construction of the expressway.
39. Adequate drainage structures should be provided along the entire length of expressway so that no conditions of water stagnation are created. Near the settlement areas, drainage structures shall be covered.
40. Relocation of temples and other cultural properties like mosques, schools, hospitals etc, along the proposed alignment, shall be taken-up only after permission from competent authority/local administration.
41. Suitable measures shall be taken to educate highway users on the risk of HIV and human trafficking. Environmental and safety awareness drives through hoardings should also be promoted.
42. On every toll barriers Weigh Bridge is to be installed to check the load of the trucks and restrict the over loaded vehicles and comply as per the capacity design of the road.
43. Separate clearances from the competent authority shall be obtained regarding acquisition of water bodies, forest land, cultural sites etc. Such clearances shall take into consideration minimum impact options.
44. Sand and aggregates shall be obtained from approved quarries only. Borrow areas shall have the approval of the competent authorities.
45. Acquisition of land should be as prescribed under Govt. Rules.
46. Dredged material from road side ditches should be suitably disposed as not to cause any environmental problem. Necessary permission shall be obtained from the competent authority in this regard.
47. Consent for discharge of effluents from workers camp and other construction activity should be obtained from competent authority.
48. Borrow pits should be so selected so as to have minimum loss of productive land.
49. Separate NOC and consent of the UPPCB shall be obtained with regards to asphalt plants, crushers, batching plants, hot mix plants etc.
50. Landfill sites for earth, stone or other construction material shall be duly approved by the competent authority.
51. The alignment shall be so maintained that there is no Archeological or cultural property in the project area.
52. The proposal should conform to Regional Development Plan for the area and if non conforming, suitable permission should be taken before construction from the competent authority.
53. Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project in order to avoid any damage to environment.
54. Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality and other incidents.
55. Borrow pits for earth, quarry sites for road construction material and dump sites must be identified keeping in view the following:

- a) No excavation or dumping on private property is carried out without consent of the owner.
 - b) No excavation or dumping should be allowed on wetlands, forest areas, protected or prohibited land or other ecologically valuable or sensitive locations.
 - c) Excavation work should be done in consultation with the Soil Conservation and Watershed Development Agencies working in the area.
 - d) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they should not leach into the ground water, and necessary permission from the UPPCB be obtained.
 - e) During the earthwork on embankments care is to be taken regarding environmental pollution. The adequate number of sprinkles should be used during the operation period.
56. Adequate precautions and norms should be followed during transportation of the construction material so that it does not affect the environment adversely.
57. Borrow pits and other scars created during the road construction should be properly leveled and treated.
58. Possibility of use of non conventional energy sources may be explored.
59. Municipal solid waste & Hazardous waste shall not be used in the construction of the express way.
60. Automatic traffic signal is to be provided at all crossing functioning during day and night.
61. During foggy weather the vehicular traffic may be held with parking facilities to avoid accidents.

9. Sand/Morrum Mining along Betwa River Bed in Khand No.- 10/22, at Village- Beri, Tehsil-Hamirpur, District-Hamirpur., Area-36.437 Ha). File No. 4390 Proposal NoSIA/UP/MIN/216509/2021

The committee noted that the matter was earlier discussed in 495th SEIAA meeting dated 29/09/2021 and directed as follows:

“SEIAA noted that committee in its meeting dated 06.08.2021 recommended:-

To amend the pillar coordinates in the ToR's issued vide letter Ref. No.: 370/Parya/SEAC/4390/2017 Dated 05 September 2018 keeping rest all the conditions as the same and suggested that SEIAA may like to grant the Environment Clearance to the said project as per the 520th SEAC meeting dated 11-01-2021 along with the aforesaid amendments. SEIAA opined that the matter shall be referred to committee to examine the geo-coordinates on which the public hearing was held and if it stands good or not now.”

As per the direction of SEIAA, the matter was listed in 583rd SEAC-1 meeting dated 21/10/2021. The SEAC-1 has gone through its recommendation, minutes of meeting 556th dated 06/08/2021 and doesn't find any merit in revision/recommendation of minutes. Every details with proper justification has been clearly mentioned in SEAC-1 minutes and the grant of EC was recommended after considering all environmental facts with due diligence.

Again, the grant of EC is recommended based on co-ordinates mentioned in the factual report.

10. Stone (Sand Stone) Mine at Araj No./Gata No.-519, at Village-Ghasipur, Chunar, Mirzapur, U.P., Shri Manish Kumar,M/sDivyansh Enterprises,Area-2.02 ha File No. 6150/Proposal No. SIA/UP/MIN/60471/2021

RESOLUTION AGAINST AGENDA NO-10

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

11. Sand Mining at Gata No.- 388, Village- Bhoovra Ehatmali, Tehsil- Swar, Rampur, U.P., Shri Satpal Singh, Area: 2.3400 ha File No. 6290/Proposal No. SIA/UP/MIN/ 62729/2020

The committee noted that the matter was earlier discussed in 551th SEAC-1 Meeting Dated 22/07/2021 wherein, the committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed to said minutes regarding the mining project.

The committee noted that the matter was earlier discussed in 483rd SEIAA meeting dated 24/08/2021 and directed as follows:

“SEIAA noted that SEAC has recommended to grant EC to the above project. SEIAA gone through file and documents and found that there are two same Khasra map in the file one is without geo-coordinates and the other bear geo-coordinates. Hence SEIAA opined to refer back the project to SEAC for clarification.”

RESOLUTION AGAINST AGENDA NO-11

As per the direction of SEIAA, the matter was listed in 583rd SEAC-1 meeting dated 21/10/2021 wherein, the SEAC-1 deliberated that the SEIAA should consider the map showing the geo-coordinates. The map having no geo-coordinates is composite map. Therefore, the committee again recommends the grant of environmental clearance for the project proposal along with general and specific conditions as mentioned to the Minutes of 551th SEAC-1 Meeting Dated 22/07/2021.

12. Stone Mining at Gata No.-1097, Khand No.- 10, Village-Utiya, Tehsil- Sadar, Mahoba., Shri Devendra Kumar Gupta, Area-0.809 ha. File No. 6023/Proposal No. SIA/UP/MIN/ 58955/2020

The committee observed that the project proposal was considered in 574th SEAC-1 Meeting dated 23/09/2021 wherein, “On the request of project proponent/consultant the case was deferred. The committee also directed to take up this case in the first or second week of October, 2021.”

The committee also observed that the Project Proponent/Consultant has submitted the correction letter issued by the Regional officer, U.P. Pollution Control Board, Banda vide letter no.1170/loksunvai/2021 dated 27/9/2021. 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 Environmental Research and Analysis, Lucknow. 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 Stone Mining at Gata No.-1097, Khand No.- 10, Village-Utiya, Tehsil- Sadar, Mahoba, U.P. (Leased Area-0.809 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. Ref. No.: 813/Parya/SEAC/6023/2019, dated 17/03/2021.
3. The public hearing was organized on 15/07/2021. Final EIA report submitted on 25/08/2021.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/58955/2020
2. File No. allotted by SEIAA, UP	6023
3. Name of Proponent	Shri Devendra Kumar Gupta S/o Shri Chhotelal Gupta
4. Full correspondence address of proponent and mobile no.	R/o- Rajendra Nagar, Kabrai Tehsil & District- Mahoba (U.P.)
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti)

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6. Project location (Plot/Khasra/Gata No.)	Gata No 1097 (Khand No.- 10),		
7. Name of River	NA		
8. Name of Village	Utiyan		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti)		
12. Sanctioned Lease Area (in Ha.)	0.809 Ha.		
13. Mineable Area (in Ha.)	0.809 Ha.		
14. Zero level mRL	149 mRL		
15. Max. & Min mrl within lease area	Maximum mRL 206mRL Minimum mRL 161.0 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°24'26.432"N	79°56'16.390"E
	B	25°24'26.571"	79°56'14.966"E
	C	25°24'18.963"N	79°56'14.664"E
	D	25°24'19.383"N	79°56'16.334"E
17. Total Geological Reserves	2,70,368 m ³		
18. Sanction Quantity as per LOI	32,360 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	1,61,800 m ³ in 5 years		
20. Proposed Production/year	32,360 m ³ per year		
21. Sanctioned Period of Mine lease	10 Year		
22. Production of mine/day	107.87 m ³ /day		
23. Method of Mining	Open cast, Manual, semi-mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	28		
27. No. Of vehicles movement/day	10-12 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Bailast & Gitti) Mining		
29. Ultimate Depth of Mining	12.0 m		
30. Nearest metalled road from site	NH-76 at 5.91 kms towards South-East direction.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.38 KLD	
	Suppression of dust	6.77 KLD	
	Plantation	0.39 KLD	
	Others (if any)	-	
	Total	7.66 KLD (8.0 KLD approx.)	
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/IA 0200 valid up to 30 December, 2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 4987/ एम०एम०सी०-30 /2020-21 Date-28/08/2020		
35. Details of Lease Area in approved DSR	Corrigendum No. 7354 /एम०एम०सी०-30/2020-21 Dated 11/12/2020		
36. Proposed EMP cost	Rs 4,50,000/-		

37. Proposed Total Project cost	Rs. 90,00,000/-
38. Length and breadth of Haul Road	191 m length and 6.0 m width
39. No. of Trees to be Planted	65

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-12

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-3 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. 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.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. 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
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. The project proponent should explore the possibilities of rainwater harvesting.

13. Granite (Khanda, Gitti & Boulders & Pahadi Red Morrum)" at Gata No.- 2131/08, Village- Raulikalyanpur, Tehsil- Karwi, Chitrakoot, U.P. Shri Rahul Yadav, Area-4.0481 ha). File No. 6544/5676/Proposal No. SIA/UP/MIN/ 67307/2020

The committee observed that the project proposal was considered in 574th SEAC-1 Meeting dated 23/09/2021 wherein, "On the request of project proponent/consultant the case was deferred. The committee also directed to take up this case in the first or second week of October, 2021."

The committee also observed that the Project Proponent/Consultant has submitted the correction letter signed by Mining Officer, Chitrakoot, Regional officer, U.P. Pollution Control Board, Banda and Additional District Magistrate Chitrakoot and the project proponent made a request vide letter dated 20/10/2021. 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 Environmental Research and Analysis, Lucknow. 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 Granite (Khanda, Gitti, Boulder & Pahadi Red Morrum) Mining at Gata No.- 2131/08, Village- Raulikalyanpur, Tehsil- Karwi, District- Chitrakoot, U.P., (Leased Area- 4.0481 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. Ref. No.: 226/Parya/SEAC/5676/2019, dated 28/07/2020.
3. The public hearing was organized on 19/07/2021. Final EIA report submitted on 05/09/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/67307/2020		
2.	File No. allotted by SEIAA, UP	6544 / 5676		
3.	Name of Proponent	Shri Rahul Yadav S/o Shri Mordhwaj Yadav		
4.	Full correspondence address of proponent	R/o- H.No.- 642, Sector -15, Part-1, Gurgaon, Haryana-122001		
5.	Name of Project	Granite (Khanda, Gitti, Boulder & Pahadi Red Morrum) Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 2131/08		
7.	Name of Village	Raulikalyanpur		
8.	Tehsil	Karwi		
9.	District	Chitrakoot		
10.	Name of Minor Mineral	Granite (Khanda, Gitti, Boulder & Pahadi Red Morrum)		
11.	Sanctioned Lease Area (in Ha.)	4.0481 ha.		
12.	Max.& Min mRL within lease area	173 mRL- 164 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 11.944'N	80° 42.874'E
		B	25° 11.865'N	80° 42.938'E
		C	25° 11.783'N	80° 42.872'E
		D	25° 11.861'N	80° 42.796'E
14.	Total Geological Reserves	1978704 m ³		
15.	Total Mineable Reserves	962806 m ³		
16.	Total Proposed Production (in five year)	240000 m ³		
17.	Proposed Production / year	Year	Pahadi Red Morram	Granite (Gitti, Khanda, Total (Granite + Morram)

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			(in m ³)	Boulder (in m ³)	(in m ³)
		Ist	17000	31000	48000
		IIInd	19115	28885	48000
		IIIrd	4000	44000	48000
		IVth	3000	45000	48000
		Vth	2000	46000	48000
			45115	194885	240000
18.	Sanctioned Period of Mine lease	20 Years (from the execution of lease deed)			
19.	Production of mine/day	160 m ³			
20.	Method of Mining	Opencast Semi-Mechanized			
21.	No.of working days	300 days			
22.	Working hours/day	8 Hours/Day			
23.	No.Of workers	36 (average)			
24.	No.Of vehicle movement /day	16 (average)			
25.	Type of Land	Govt. Revenue Land			
26.	Ultimate Depth of Mining	12 meter (average)			
27.	Nearest metalled road from site	0.60 km			
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)		
		Drinking & Others	0.40		
		Suppression of dust	3.60		
		Plantation	0.45		
		Others(if any)	-----		
		Total	4.45		
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-19/10/2021			
30.	Any litigation pending against the project or land in any court	No			
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Chitrakoot vide Letter No. 829/Khanij/2019-20, Dated 13 th March, 2020			
32.	Details of Lease Area in approved DSR	S.No.- 05, Page No.- 30			
33.	Proposed CER cost	1.40 Lakh			
34.	Proposed EMP cost	15.16 Lakh			
35.	Length and breadth of Haul Road.	Length- 0.6 Km, Width- more than 6.0 m			
36.	No. of Trees to be Planted	405			

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-13

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-3 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. 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.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. 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
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. The project proponent should explore the possibilities of rainwater harvesting.

Nodal SEAC-1

(Dr. Ajai Mishra)
Member

(Om Prakash Srivastava)
Member

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra Sharma)
Member

(Dr. Ratan Kar)
Member

(Rajive Kumar)
Chairman

Standard Terms of Reference for the Mining Project prescribed by MoEF&CC, GoI

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest

Department to assist the Expert Appraisal Committees.

- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind

- direction. The mineralogical composition of PM₁₀, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
 - 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
 - 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
 - 26) Description of water conservation measures proposed to be adopted in the Project should be given.
 - 27) Details of rainwater harvesting proposed in the Project, if any, should be provided.
 - 28) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
 - 29) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
 - 30) Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
 - 31) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
 - 32) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
 - 33) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
 - 34) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
 - 35) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
 - 36) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
 - 37) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific

occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

- 38) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 39) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 40) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 41) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 42) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 43) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 44) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 45) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 46) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

General and Specific Conditions for Soil Earth Mining Projects:-

General condition:

1. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
2. Any mining activity shall be undertaken only after valid permission from Mining Department/District Administration and written agreement with land owner from where earth excavation is proposed.
3. No change in mining technology and scope of working shall be made without approval of Authority.
4. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
5. The Authority reserves the right to revoke the clearance if conditions stipulated are not implemented. The Authority will also be entitled to impose additional environmental conditions or modify the existing ones, if necessary.
6. In case of any deviation or alteration in the project proposed from those submitted to this Authority for clearance, a fresh reference should be made to the Authority to assess the adequacy of the condition(s) imposed and to add additional environmental protection Measures required, if any.
7. 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 Environment (Protection) Act, 1986.

Specific Conditions:

1. Environment management should be in accordance with the present environment status of the project.
2. The Environmental clearance will be co-terminus with the agreement/lease.
3. Approach kachcha road should be made motorable and maintained periodically.
4. Transportation of soil should be undertaken in covered containers.
5. Rehabilitation plan with planting of trees to be submitted along with the closure plan.
6. Land to be leveled and handed over to the owners after completion of excavation work.
7. A valid NOC from State Pollution Control Board shall be obtained for the Brick kiln prior to operation as per law and all guidelines must be followed, if applicable.
8. The mining operations shall be strictly limited to the proposed mining sites and proposed purpose.
9. Top soil should be adequately preserved and should be used for landscaping.
10. Excavated soil should be properly stored in a manner not to increase surrounding air pollution level.
11. Water sprinkling should be exercised during excavation and storage of soil for suppression of fugitive dust.
12. Excavated area should be properly reclaimed and ensured that no open bore hole is left.
13. Safety measures for the people working at the site shall be duly taken care of as per law.
14. The excavation work shall be done in day time only.
15. The project boundary shall be properly covered to restrict dust dispersion.
16. Precautionary measures during soil excavation for conservation and protection of rare and endangered flora and fauna found in the study area.
17. Noise level shall be maintained as per standards for both day and night.
18. The route map for soil transportation from excavation plots to work site should be firmed up and necessary permissions shall be sought from District Administration.

19. Vehicles hired for the transportation should be in good condition and should have Pollution Check Certificate and should conform to applicable air and noise emission standards.
20. Personnel exposure monitoring for respirable mineral dust shall be carried out for the workers and records maintained including health records of the workers. Awareness program for workers on impact of mining on their health and precautionary measures like use of personal protective equipments etc. shall be carried out periodically. First aid facilities and adequate sanitary facility in the form of temporary toilets/septic tanks.
21. Solid waste material viz gutkha rappers, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management Rules.
22. Project proponent should maintain daily register for information of (a) collection of soil/clay, (b) manpower & (c) transportation purpose.
23. Soil mining shall strictly be undertaken as per rules and regulations/permissions obtained from District Administration/Mining Department
24. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
25. The borrowing/excavation activity shall be restricted to a maximum depth of 2 m. below general ground level at the site.
26. The borrowing/excavation activity shall be restricted to 2 m. above the ground water table at the site.
27. The borrowing/excavation activity shall not alter the natural drainage pattern of the area.
28. The borrowed/excavated pit shall be restored by the project proponent for useful purpose(s).
29. Appropriate fencing all around the borrowed/excavated pit shall be made to prevent any mishap.
30. Measures shall be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.
31. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.
32. Workers/labourers shall be provided with facilities for drinking water and sanitation.
33. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
34. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.

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, SO₂, NO_x 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, SO₂, NO_x) 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 31st 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 1st June and 1st 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 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, 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. 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/project proponent 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 (AprilMay), 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.