

### **Minutes of 614<sup>th</sup> SEAC-2 Meeting Dated 29/12/2021**

The 614<sup>th</sup> meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 29/12/2021. Following members participated in the meeting:

- |    |                             |                             |
|----|-----------------------------|-----------------------------|
| 1. | Dr. Harikesh Bahadur Singh, | Chairman, SEAC-2            |
| 2. | Dr. Amrit Lal Haldar,       | Member, SEAC-2 (through VC) |
| 3. | Dr. Dineshwar Prasad Singh, | Member, SEAC-2 (through VC) |
| 4. | Shri Tanzar Ullah Khan,     | Member, SEAC-2              |
| 5. | Prof. Jaswant Singh,        | Member, SEAC-2              |
| 6. | Dr. Shiv Om Singh,          | Member, SEAC-2 (through VC) |

The Chairman welcomed the members to the 614<sup>th</sup> SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

**1. Expansion in Production Capacity 100 TPD To 500 TPD Of Cement Grinding Unit Plot No. D-15, Ramnagar Industrial Area, Tehsil: Bilari Dih Chandauli., Shri Pankaj Kumar Singh, M/s Alaknanda Cement Pvt. Ltd. File No. 6133/Proposal No. SIA/UP/IND/60022/2021**

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

1. Detailed technical specification of plant and machinery to be installed/modified in existing plant machinery for proposed expansion.
2. Clarification for not obtained Environment clearance under the provision of EIA notification 1994/ EIA notification 2016 shall be provided. Compliance report of CTE/CTO from the SPCB and present status of unit should be submitted.
3. Layout map indicating existing unit, proposed unit, storage area, plant area, utility area and green belt area etc.
4. Layout of industrial area indicating location of said unit within the industrial area.
5. Total cost and recurring cost/ annum for environmental control measures shall be included in EMP.
6. Photographs of the proposed and existing plant site with location along with geo-coordinates date and time to be submitted.
7. Transportation plan for raw material from source to plant site to be submitted.

The matter shall be discussed after submission of online information on prescribed portal.

**2. Stand-alone Grinding Unit with Cement Production Capacity of 5.0 MTPA (Line I - 2.5 MTPA and Line II - 2.5 MTPA) and D.G. Set of 2000 KVA (Line I - 2 x 500 KVA and Line II - 2 x 500 KVA) At Village: Nevada, Tehsil: Lalganj, Mirzapur, M/s. Dalmia Bharat Green Vision Ltd. File No. 6710/Proposal No. SIA/UP/IND/69198/2021**

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 J.M. Enviro Net Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Stand-alone Grinding Unit with Cement Production Capacity of 5.0 MTPA (Line I - 2.5 MTPA and Line II - 2.5 MTPA) and D.G. Set of 2000 KVA (Line I - 2 x 500 KVA and Line II - 2 x 500 KVA) at Village: Nevada, Tehsil: Lalganj, Mirzapur, M/s. Dalmia Bharat Green Vision Ltd.

**2. Project details:**

Project Proposal	Product	Unit	Line- I	Line - II	Total Proposed Capacity
	Cement	MTPA	2.5	2.5	5.0
	D.G. Set	KVA	2 x 500	2 x 500	2000

**3. Site details:**

S. No.	Particulars	Details
	Location Details	
1.	Village	Nevada
2.	Tehsil	Lalganj
3.	District	Mirzapur
4.	State	Uttar Pradesh
B.	Geographical Co-ordinates	
1.	Latitude	24°54'46.09"N to 24°55'06.78"N
2.	Longitude	82°13'31.35"E to 82°13'49.07"E
3.	Toposheet No.	Core Zone: G44W1 (63L/1) Study Area: G44Q4 (63K/4), G44Q8(63K/8), G44W1 (63L/1) & G44W5 (63L/5)
C.	Area Details	
1.	Total Project area	Total Project area is 14.111 ha.
2.	Greenbelt & Plantation area	4.65 ha i.e., 33% of the total project area will be developed under Greenbelt & Plantation.

**4. Salient features of the project:**

S. No.	Particulars	Requirement			Source
		Phase – I	Phase- II	Total	
A.	Basic Requirement				
1.	Water Requirement (KLD)	180	155	335	Groundwater
2.	Power Requirement (MW)	13	12	25	State electric grid and D.G. Set (For emergency back-up)
3.	Manpower Requirement	203	82	285	Unskilled / Semi-skilled - local area, Skilled - outside/ local
B.	Cost Details				
1.	Total Cost of Project (in Crores)	404	361	765	-
2.	Cost for Environment Management Plan				
(i)	Capital Cost (in Crores)	30	20	50	-
(ii)	Recurring Cost (Crores/ per annum)	1.5	1.0	2.5	-

**5. Raw material details:**

S. No.	Raw material	Requirement (MTPA)				Source	Distance / Mode of Transportation
		OPC	PPC	Composite	PSC		
1.	Clinker	2.375	1.55	0.9	0.8	Integrated Cement Plant of Company at Rajgangpur and Kalyanpur, Proposed integrated unit at Satna, & Open market	250-600 km / Rail & Road
2.	Gypsum	0.125	0.075	0.05	0.075	Hanumangarh, Rajasthan/Open Market	1300 km/Road
3.	Fly ash	-	0.875	0.85	-	Allahabad, Sonbhadra, Raebareli, Ambedkar Nagar	100-200 km / Road
4.	Slag	-	-	0.7	1.625	Chhattisgarh, Jharkhand	300-600 km / Rail & Road

**6. Fuel requirement:**

S. No.	Name of Fuel	Quantity Required		Source	Distance & Mode of Transportation
		Line – I	Line - II		
1.	HSD/FO (KLD)	0.3	0.3	From Nearby Fuel depot	Nearby area / Road
2.	Coal (MTPA)	0.57	0.57	E-Auction/ Open Market/ Chhattisgarh, Jharkhand etc.	400-800 Km/Road

**7. Proposed machinery of the plant:**

S. No.	Particulars	Unit	Capacity	
			Line I	Line II
1.	Truck Tippler & Box Feeder	TPH	3 x 300	-
2.	Stacker Reclaimer	TPH	1800 / 300	-
3.	Dry Fly ash unloading	TPH	200	-
4.	Startup FBC	mkcal/hr	25	25
5.	Cement Mill	MTPA	2.5	2.5
6.	Packer	TPH	2 x 240	2 x 240
7.	Truck Loaders	TPH	6 x 120	6 x 120
8.	Bulk loader	TPH	1 x 200	1 x 200

**8. The project proposal falls under category–3(b) of EIA Notification, 2006 (as amended).**

**RESOLUTION AGAINST AGENDA NO. 02**

**The committee discussed the matter and recommended to issue standard terms of reference for the preparation of Environment Impact Assessment Report (EIA) regarding the project. The committee also stipulated following additional TOR points:**

**Additional TOR Point:**

- 1) Land conversion documents should be provided at the time of EIA presentation.
- 2) Plantation should be proposed as per Miyawaki method i.e. planting different types of trees at very close intervals which give a good green cover. A total of 33% of the plot area should be designated for green belt which should be raised along the boundaries of the plot with minimum of 03 mt width along the periphery in organized manner.
- 3) Layout plan which showing the processing unit, storage of raw material alongwith product storage yard etc.
- 4) Plan for transportation of raw material from source to unit.
- 5) Wind rose diagram, location of monitoring station and period of monitoring should be provided.

**Standard terms of reference:**

- 1) Executive Summary.
- 2) Introduction:

- i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project
- 3) Project Description
- i. Cost of project and time of completion.
  - ii. Products with capacities for the proposed project.
  - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
  - iv. List of raw materials required and their source along with mode of transportation.
  - v. Other chemicals and materials required with quantities and storage capacities
  - vi. Details of Emission, effluents, hazardous waste generation and their management.
  - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
  - viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
  - ix. Hazard identification and details of proposed safety systems.
  - x. Expansion/modernization proposals:
    - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
    - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 06 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
- 4) Site Details
- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
  - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
  - iii. Details w.r.t. option analysis for selection of site
  - iv. Co-ordinates (lat-long) of all four corners of the site.
  - v. Google map-Earth downloaded of the project site.
  - vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
  - vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
  - viii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
  - ix. A list of major industries with name and type within study area (10km radius) shall be

- incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
  - xi. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
  - xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
  - xiii. R&R details in respect of land in line with state Government policy
- 5) Forest and wildlife related issues (if applicable):
- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
  - ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
  - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
  - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
  - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
  - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife
- 6) Environmental Status:
- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
  - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub>, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
  - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
  - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
  - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
  - vi. Ground water monitoring at minimum at 8 locations shall be included.
  - vii. Noise levels monitoring at 8 locations within the study area.
  - viii. Soil Characteristic as per CPCB guidelines.
  - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
  - x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are

found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

- xi. Socio-economic status of the study area.
- 7) Impact and Environment Management Plan
- i. Assessment of ground level concentration of pollutants from the stack emission based on site- specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
  - ii. Water Quality modeling - in case of discharge in water body
  - iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
  - iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
  - v. Details of stack emission and action plan for control of emissions to meet standards.
  - vi. Measures for fugitive emission control
  - vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
  - viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
  - ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
  - x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
  - xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
  - xii. Action plan for post-project environmental monitoring shall be submitted.
  - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 8) Occupational health:
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
  - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, color vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
  - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and

- whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
- 9) Corporate Environment Policy:
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have 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? This reporting mechanism shall be detailed in the EIA report
- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11) Corporate Environmental Responsibility (CER):
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- ii. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- iii. A tabular chart with index for point wise compliance of above TOR.
- 12) Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
- 13) Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
- 14) For large Cement Units, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
- 15) Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
- 16) If the raw materials used have trace elements, an environment management plan shall also be included.
- 17) Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
- 18) Energy consumption per ton of clinker and cement grinding
- 19) Provision of waste heat recovery boiler
- 20) Arrangement for use of hazardous waste

**3. Building Stone (Khanda, Gitty, Boulder) & Red Morrum Mining, Village -Saipur, Tehsil– karwi, Chitrakoot., M/s Rakesh Kumar Mishra Contractor and Supplier Area- 1.2145 hectares. File No. 6739/Proposal No. SIA/UP/MIN/194138/2021**

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

1. The environmental clearance is sought for Building Stone (Khanda, Gitty, Boulder) & Red Morrum Mining at Gata No. 174 Mi, Village -Saipur, Tehsil– Karwi, Chitrakoot, U.P. (Leased Area- 1.2145 hectares), M/s Rakesh Kumar Mishra Contractor and Supplier.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/194138/2021		
2. File No. allotted by SEIAA, UP	6739		
3. Name of Proponent	M/s Rakesh Kumar Mishra Contractor and Supplier Prop. Sri Rakesh Kumar Mishra		
4. Full correspondence address of proponent and mobile no.	M/s Rakesh Kumar Mishra Contractor and Supplier Prop. Sri Rakesh Kumar Mishra S/o Sri Awadhesh Prasad Mishra, Address – Ralihan Ka Purwa Majra- Bhauri , PS- Raipura, District – Chitrakoot, Uttar Pradesh.		
5. Name of Project	Saipur Building Stone (Khanda, Gitty, Boulder) & Red Morrum Mining Project		
6. Project location (Plot/Khasra/Gata No.)	174mi		
7. Name of Village	Saipur		
8. Tehsil	Karwi		
9. District	District Chitrakoot, Uttar Pradesh		
10. Name of Minor Mineral	Building Stone (Khanda, Gitty, Boulder) & Red Morrum		
11. Sanctioned Lease Area (in Ha. )	1.2145 hectare.		
12. Max. & Min mrl within lease area	131.3 mRL & 110.10 mRL		
13. Pillar Coordinates (Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
	A	25°22.096"N	80°51.361"E
	B	25°22.165"N	80°51.407"E
	C	25°22.190"N	80°51.458"E
	D	25°22.112"N	80°51.476"E
14. Total Geological Reserves	620732 cum		
15. Total Mineable Reserves in LOI	210231 cum		
16. Total Proposed Production (in five year)	2,25,000 cum (1st Year to 5th Year)		
17. Proposed Production/year	45,000 cum/annum or 1,26,000 TPA		
18. Sanctioned Period of Mine lease	20 years		
19. Method of Mining	Opencast semi-mechanized Method		
20. No. of working days	300		
21. Working hours/day	8		
22. No. Of workers	34		
23. No. Of vehicles movement/day	8		
24. Type of Land	Waste Land		
25. Ultimate Depth of Mining	131 mRL		
26. Nearest metallised road from site	NH-76		
27. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.34 KLD	
	Suppression of dust	1.8 KLD	



	Plantation	5.0 KLD
	Others (if any)	0.0 KLD
	Total	7.14 KLD
28. Name of QCI Accredited Consultant with QCI No and period of validity.	P & M Solution Certificate No: NABET/EIA/1922/IA0053 Validity-10-12-2022	
29. Any litigation pending against the project or land in any court.	No	
30. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 1196/Khanij/2020-21, Dated-05/11/2020.	
31. Details of Lease Area in approved DSR	Attached	
32. Proposed CSR cost	RS- 80,000 /-	
33. Proposed EMP cost	Rs-6,75,000 (Capital cost) Rs-7,70,000 (Recurring cost)	
34. Length and breadth of Haul Road	300 m, 6 m	
35. No. of Trees to be Planted	About 1000 trees will be planted along both sides of roads and civic amenities in consultation with the local authorities.	

3. 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.
4. 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.
5. There is no litigation pending in any court regarding this project.
6. 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 the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:**

1. Proponent shall submit consent of competent authority/ landowner for haulage road from lease site to link road.
2. Proponent should opt for the latest technology for water spraying (sprinklers) for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
3. The project proponent shall install solar light in their site office.
4. 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.
5. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
6. 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
7. 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.
8. 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.
9. 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.

10. 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.
11. 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.
12. 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. The project proponent should explore the possibilities of rainwater harvesting.

**4. Shriram North View Apartments under PMAY for M/s Rockfort Developers Pvt. Ltd. at Khasia No.- 1174 (P), at Village-Noor NagatParanga-Loni, Tehsil & District- Ghaziabad, Uttar Pradesh. File No. 6742/Proposal No. SIA/UP/MIS/243868/2021**

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 Enviro Infra Solutions Pvt. Ltd. The committee discussed the matter and directed the project proponent to submit following information:

1. Project site photographs along with date, time and geo-coordinates.
2. Revised Plan for Municipal solid waste for collection and proper disposal.
3. Revised Plan for parking along with electric vehicle charging station in the premises.
4. Revised plan for rain water harvesting along with water balance flow diagram.
5. The permission from the Airport Authority (NOC) .
6. Proponent shall provide the dual pipeline network in the project for utilisation of treated water (STP) for different purposes and also provide the monitoring mechanism for the same.
7. The Project proponent is required to take permission in case of discharging/utilising treated water (STP) outside the premises. The permission shall be obtained from the Competent Authority.
8. Layout plan of project which indicates the location of STP, DG sets and Municipal solid waste site (Organic waste converter site).
9. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
10. Use of fuel details for DG sets as per the NCR guidelines to be submitted with capacity of DG sets and quantity and nature of fuel.
11. Details of STP with respect to the project.

The matter shall be discussed after submission of online information on prescribed portal.

**5. Gitti - Boulder (Dolo Stone) Mining at Araji No. 4478 Chha Village- Billi Markundi, Tehsil-Obra, Sonbhadra, M/s Omax Minerals Pvt. Ltd. Area 2.20 Ha. File No. 6747/Proposal No. SIA/UP/MIN/69992/2021**

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

1. The terms of reference is sought for Building Stone Gitti-Boulder (Dolostone) Mining project Omax Minerals Pvt. Ltd. at Araji no.4478 Chha Village- Billi Markundi, Tehsil- Obra , District- Sonbhadra, Uttar Pradesh, (Leased Area 2.20 Ha).
2. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/69992/2021		
2.	File No. allotted by SEIAA, UP	6747		
3.	Name of Proponent	Shri. Sachin Agarwal (Omax Minerals Pvt. Ltd.)		
4.	Full correspondence address of proponent and mobile no.	M/S Omax Minerals Pvt Ltd, HIG 07, Sector-2, Shankar Nagar,Raipur, Chhattisgarh Contact Person:: Shri Sachin Agarwal,S/O Sri Shyam Sundar Agarwal R/O H.N. No. 62, Transport Nagar, Korba, Chhattisgarh.		
5.	Name of Project	Building Stone Gitti - Boulder (Dolostone) Mining Project At Araji No. 4478 Chha Village- Billi Markundi, Tehsil-Obra , District- Sonbhadra, Uttar Pradesh. Area 2.20 Ha		
6.	Project Location(Plot.Khsra/Gata/Araji No.)	4478 Chha		
7.	Name of Village	Billi Markundi		
8.	Tehsil	Obra		
9.	District	Sonbhadra		
10.	Name of Minor Mineral	Building Stone Gitti - Boulder (Dolostone)		
11.	Sanctioned Lease Area (in Ha.)	2.20 Ha		
12.	Max. & Min mRL within lease area	242.00mRL & 180.1mRL		
13.	Pillar Coordinates (Verified by DMO)	PILLER NO.	LATITUDE	LONGITUDE
		A	24° 28'23.62"N	83°1'18.47"E
		B	24° 28'22.01"N	83°1'18.56"E
		C	24° 28'20.11"N	83°1'21.13"E
		D	24° 28'17.00"N	83°1'21.03"E
		E	24° 28'18.54"N	83°1'13.93"E
		F	24° 28'19.80"N	83°1'14.54"E
		G	24° 28'20.44"N	83°1'15.62"E
		H	24° 28'21.94"N	83°1'16.37"E
		I	24° 28'22.40"N	83°1'17.64"E
		J	24° 28'23.65"N	83°1'17.73"E
14.	Total Geological Reserves	956492 m <sup>3</sup> /Annum		
15.	Total Mineable Reserve in LOI	70400 m <sup>3</sup> /Annum		
16.	Total Proposed Production in LOI	70400 m <sup>3</sup> /Annum		
17.	Total Proposed Production in 20 Years	70400*20 m <sup>3</sup> =1408000		
18.	Sanctioned Period of Mine lease	20 Years		
19.	Method of Mining	Open cast Manual/ Semi Mechanized Mining		
20.	No. of working days	300 Days		
21.	Working hours/day	8 Hours		

22.	No. of worker	25 Workers
23.	No. of vehicles movement/day	26 Trucks / Day (Depending on market demand)
24.	Type of Land	Govt. Land
25.	Ultimate of Depth of Mining	12.00 m
26.	Nearest metalled road from site	1.00Km
27.	Water Requirement	PURPOSE
		Drinking
		Suppression of dust
		Plantation
		Others (if any)
		Total
		REQUIREMENT (KLD)
		0.25 KLD
		3.6 KLD
		0.44 KLD
		<b>4.29 KLD</b>
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-01-2022
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-3253/Khanij/2021 Date-30.9.2021
31.	Details of Lease Area in approved DSR	Sr.No'-1, Letter No'-614/Khanij/2021
32.	Proposed CER cost	2% of total project cost i.e. Rs.1.15 Lakhs
33.	Proposed EMP cost	12.42 Lakhs
34.	Length and breadth of Haul Road	600mt Length & 6m width haulage road
35.	No. of Trees to be Planted	220 Trees/Year

3. 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.
4. 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.
5. There is no litigation pending in any court regarding this project.
6. 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 to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated following additional TOR Points:**

#### **Additional TOR:**

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants. The proponent/consultant shall submit the plantation plan along with permission of concerned authority/ individuals.
2. The proponent/ consultant should prepare and submit a proposed plan for safe disposal of municipal solid waste and human excreta.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement from lease site to link road with detailed information.

5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
6. Proponent/ Consultant should provide the plan/information about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
7. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
8. Water requirement details along with source of water.
9. Monitoring site photographs along with PP/PP authorized person, date, time and place with geo coordinates should be submitted at the time of EIA presentation.

**6. Gitti - Boulder (Dolo Stone) Mining at Araji No 4478 Chha Village-BilliMarkundi, Tehsil- Obra, Sonbhadra, U.P., M/s Baba Khatu Industries, Area: 1.80 Ha. File No. 6749/Proposal No. SIA/UP/MIN/70016/2021**

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

1. The terms of reference is sought for Building Stone Gitti-Boulder (Dolo stone) Mining project M/s Baba Khatu Industries. at Araji no.4478 Chha Village- Billi Markundi, Tehsil- Obra , District- Sonbhadra, Uttar Pradesh, (Leased Area 1.80 Ha).
2. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/70016/2021		
2.	File No. allotted by SEIAA, UP	6749		
3.	Name of Proponent	Shri Rajeev Kumar Sharma (Authorized Signatory)		
4.	Full correspondence address of proponent and mobile no.	M/s Baba Khatu Industries, Address-Ward No-3, Preetnagar, Chopan, District- Sonbhadra,  Authorized Person Shri Rajeev Kumar Sharma, S/o Shri Jitendra Sharma. R/O-59,Chakarpuri, Paper Mill colony,Near Metro City, Nishatganj, Mahanagar, Lucknow.		
5.	Name of Project	Building Stone Gitti - Boulder (Dolostone) Mining Project At Araji No. 4478 Chha Village- Billi Markundi, Tehsil- Obra , District- Sonbhadra, Uttar Pradesh. Area 1.80 Ha		
6.	Project Location(Plot.Khsra/Gata/Araji No.)	4478 Chha		
7.	Name of Village	Billi Markundi		
8.	Tehsil	Obra		
9.	District	Sonbhadra		
10.	Name of Minor Mineral	Building Stone Gitti - Boulder (Dolostone)		
11.	Sanctioned Lease Area (in Ha.)	1.80 Ha		
12.	Max. & Min mRL within lease area	246 .00mRL & 176.1 mRL		
13.	Pillar Coordinates (Verified by DMO)	PILLER NO.	LATITUDE	LONGITUDE
		A	24° 28'25.03"N	83°1'13.16"E
		B	24° 28'24.84"N	83°1'14.84"E
		C	24° 28'23.28"N	83°1'14.84"E
		D	24° 28'23.23"N	83°1'17.68"E

		E	24° 28'22.44"N	83°1'17.64"E
		F	24° 28'21.97"N	83°1'16.35"E
		G	24° 28'20.48"N	83°1'15.60"E
		H	24° 28'19.86"N	83°1'14.55"E
		I	24° 28'18.53"N	83°1'13.93"E
		J	24° 28'19.92"N	83°1'10.93"E
		K	24° 28'20.73"N	83°1'10.96"E
		L	24° 28'20.18"N	83°1'12.76"E
		M	24° 28'21.46"N	83°1'13.18"E
N	24° 28'22.27"N	83°1'11.08"E		
14.	Total Geological Reserves	1122478 m <sup>3</sup> /Annum		
15.	Total Mineable Reserve in LOI	57600 m <sup>3</sup> /Annum		
16.	Total Proposed Production in LOI	57600 m <sup>3</sup> /Annum		
17.	Total Proposed Production in 20 Years	57600*20 m <sup>3</sup> =11,52,000		
18.	Sanctioned Period of Mine lease	20 Years		
19.	Method of Mining	Open cast Manual/ Semi Mechanized Mining		
20.	No. of working days	300 Days		
21.	Working hours/day	8 Hours		
22.	No. of worker	25 Workers		
23.	No. of vehicles movement/day	21 Trucks / Day (Depending on market demand)		
24.	Type of Land	Govt. Land		
25.	Ultimate of Depth of Mining	36.00 m		
26.	Nearest metalled road from site	1.00 Km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.25 KLD	
		Suppression of dust	2.10 KLD	
		Plantation	0.36 KLD	
		Others (if any)		
		Total	2.71 KLD	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-01-2022		
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-3599/Khanij/2021 Date-25.10.2021		
31.	Details of Lease Area in approved DSR	Sr. No: 01 (Annexure no. 01) dated 22.02.2021		
32.	Proposed CER cost	2% of total project cost i.e. Rs.1.17 Lakhs		
33.	Proposed EMP cost	11.95 Lakhs		
34.	Length and breadth of Haul Road	350 mt Length & 6m width haulage road		
35.	No. of Trees to be Planted	178 Trees/Year		

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

**RESOLUTION AGAINST AGENDA NO. 06**

**The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated following additional TOR Points:**

**Additional TOR:**

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants. The proponent/consultant shall submit the plantation plan along with permission of concerned authority/ individuals.
2. The proponent/ consultant should prepare and submit a proposed plan for safe disposal of municipal solid waste and human excreta.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement from lease site to link road with detailed information.
5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
6. Proponent/ Consultant should provide the plan/information about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
7. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
8. Water requirement details along with source of water.
9. Monitoring site photographs along with PP/PP authorized person, date, time and place with geo coordinates should be submitted at the time of EIA presentation.

**7. Sand Mining at Yamuna River Bed at Khand No.-07, Village-Manpur, Ojha Patti, Barhula, Tehsil-Bara, Prayagraj, Smt. Nirmala Devi Area: 8.0 ha. File No. 6752/5956/Proposal No. SIA/UP/MIN/69406/2020**

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

1. The environmental clearance is sought for Sand Mining at Yamuna River Bed at Khand No.-07, Village-Manpur, Ojha Patti, Barhula, Tehsil-Bara, Prayagraj, (Leased Area: 8.0 ha.).
2. The terms of reference in the project proposal were issued by SEIAA, U.P. vide letter no. 747/Parya/SEAC/5956/2019, dated 15/01/2021.
3. Public hearing was organized on 20/07/2021 in Tehsil Parisar- Bara, District Prayagraj, U.P. and final EIA report submitted by the project proponent on 13/12/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/69406/2020
2.	File No. Allotted By SEIAA, UP	6752/5956
3.	Name Of Proponent	Smt. Nirmala Devi W/o Shri Vishvanath
4.	Full Correspondence Address Of Proponent And Mobile Number	Smt. Nirmala Devi W/o Shri Vishvanath 191C/146C Choukhandi, Kydganj, District- Prayagraj (U.P), PIN Code: 201010

**Minutes of 614<sup>th</sup> SEAC-2 Meeting Dated 29/12/2021**

5.	Name Of Project	Ordinary Sand Mining at Yamuna River located at Khand No.07, Village- Manpur, Ojha pati ,Barhula , Tehsil- Bara, District- Prayagraj (U.P)		
6.	Project Location (Plot/Khasra/Gata No.)	Khand No.07, Village- Manpur, Ojha pati ,Barhula , Tehsil- Bara, District- Prayagraj (U.P)		
7.	Name of River	Yamuna River		
8.	Name of Village	Manpur, Ojha pati ,Barhula		
9.	Tehsil	Bara		
10.	District	Prayagraj		
11.	Name Of Minor Mineral	Ordinary Sand Mining		
12.	Sanctioned Lease Area	8.0 Ha		
13.	Mineable Area	7.2 Ha.		
14.	Max. & Min mRL Within Lease Area	Max. 76.0 mRL & Min 72.0mRL		
15.	Pillar Coordinates (Verified By DMO)	Boundary Point	Latitude (N)	Longitude (E)
		A	25°21.089	81°42.494
		B	25°21.226	81°42.499
		C	25°21.235	81°42.288
		D	25°21.100	81°42.283
16.	Total Geological Reserve	2,40,000 m <sup>3</sup>		
17.	Mineable Reserve	2,16,000 m <sup>3</sup>		
18.	Total Proposed Production as per LOI	80,000 Cu.m/6 months		
19.	Annual Proposed Production	80,000 Cu.m/6 months		
20.	Proposed Production	80,000 Cu.m/6 months		
21.	Sanctioned Period Of Mine Lease	6 Months		
22.	Method of Mining	Manual & Semi mechanized		
23.	No. of Working Days	6 months		
24.	Working Hours/Day	08 hrs max (Day Time)		
25.	No. of Workers	55		
26.	No. of Vehicles Movement/Day	40-45 trucks/ day		
27.	Type of Land	Govt. Land /Non forest		
28.	Ultimate Depth of Mining	3m or above the ground water table whichever comes first		
29.	Nearest Metalled Road From Site	I. NH-76 at a distance of 8.10 Km towards South direction from mine site. II. SH-95 at a distance of 10.85 Km towards North direction from mine site.		
30.	Water Requirement	Purpose	Requirement (Kld)	
		Drinking Water	1.30 KLD	
		Dust suppression	2.0 KLD	
		Plantation	1.50 KLD	
		Total	4.80 KLD	
31.	Name of The QCI Accredited Consultant With QCI No. And Period Of Validity	GEOGREEN ENVIRO HOUSE PVT LTD NABET/EIA/2124/RA0215 Valid till Feb 24, 2024		
32.	Any Litigation Pending Against The Project Or Land In Any Court.	No		
33.	Details Of 500m Cluster Map & Certificate Verified By Mining Officer	Letter No 1706/Khanij 2020-21 dated 22/10/2020		
34.	Details Of Lease Area In Approved DSR	8.0 Ha.		
35.	Length And Breadth Of Haul Road	300.0 m x 6.0 m		
36.	No. of trees to be planted	85 Saplings		

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

6. 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.

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-07**

**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. Proponent shall submit consent of competent authority/ landowner for haulage road from lease site to link road.
2. Proponent should use latest technology for water spraying (sprinklers) for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
3. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.

**8. Stone (Khanda, Gitti, Boulder, Ballast, Red Morrum) Mining at Araj No.: 1498, Khand No: 04, Village: Pahra, Tehsil: Sadar, Mahoba, Area: 0.546 Ha. File No. 6758/Proposal No. SIA/UP/MIN/69770/2021**

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

1. The terms of reference is sought for Stone (Khanda, Gitti, Boulder, Ballast, Red Morrum) Mining at Araj No. 1498, Khand No: 04, Village: Pahra, Tehsil: Sadar, Mahoba, U.P. (Leased Area: 0.546 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/69770/2021		
2. File no. allotted by SEIAA,UP	6758		
3. Name of Proponent	Prop. Shri Ram Gopal Singh S/o Shri Balram Singh		
4.Full correspondence address of proponent and mobile no.	R/o- Kachehari Road, Parmanand Chauk, Gandhinagar, District: Mahoba, U.P. Pin Code- 210427		
5. Name of Project	Building Stone/ Khanda, Boulder, Gitti, Ballast, Red Morrum Mine		
6. Project location (Plot/Khasra/Gata No.)	Araj No. 1498, Khand No. 04		
7. Name of River	-		
8.Name of Village	Pahra		
9. Tehsil	Sadar		
10.District	Mahoba		
11. Name of Minor Mineral	Building Stone/ Khanda, Boulder, Gitti, Ballast, Red Morrum Mine		
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 0.546 Ha		
13. Mineable Area (in Ha.)	0.546 Ha		
14. Zero Level mRL	-		
15. Max. & Min mRL within lease area	Highest Point :179mRL Lowest Point :160mRL		
16. Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate		
	Pillars	Latitude (N)	Longitude (E)

**Minutes of 614<sup>th</sup> SEAC-2 Meeting Dated 29/12/2021**

(Source: Verified Khasra Map)	A	25°21'7.73"N	80° 3'23.86"E
	B	25°21'7.66"N	80° 3'27.36"E
	C	25°21'6.66"N	80° 3'27.62"E
	D	25°21'5.77"N	80° 3'25.46"E
	E	25°21'5.52"N	80° 3'23.42"E
17. Total Geological Reserves (Source: Approved Mining Plan)	2,62,365 m <sup>3</sup>		
18. Total Mineable Reserves (Source: Approved Mining Plan)	58,972 m <sup>3</sup>		
19. Total Proposed Production (in five years)	54,600 m3		
20. Proposed Production/year	10,920 m <sup>3</sup> per annum		
21. Sanctioned Period of Mine lease	10 years		
23. Method of Mining	Opencast, semi-mechanized		
24. No. of Working days	260 Days		
25. Working hours/day	8 -10 hours/day		
26. No. Of Workers	27		
27. No. of vehicles movement/day	2 Units (Assumed Loading Capacity: 20 m <sup>3</sup> /Unit)		
28. Type of Land	State Government Land		
29. Ultimate Depth of Mining	30 m (179mRL – 149mRL) (Source: Approved Mining Plan)		
30. Nearest metalled road from site	1420 m		
31. Water Requirement	Purpose	Requirement (KLD)	
	Drinking	0.135	
	Suppression of Dust	1.1	
	Plantation	9.94	
	Total	11.175	
32. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till March 26/2022		
33. Any litigation pending against the project or hand in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Mahoba Letter No. 1485/ एम. एम. सी 30/2021-22, Date – 01-09-2021		
35. Details of Lease Area in approved DSR	Approved DSR Amendment Letter, Mahoba: 6281/ एम. एम. सी-30- <b>खनिज</b> (2020-21) Pg No.:03, Sr No.49, दिनांक 27.02.2021		
36. Proposed CER Cost	Rs. 4.20 Lakhs (5% of the total Project Cost)		
37. Proposed EMP Cost	Rs. 24.90 Lakhs		
38. Length and width of Approach Road	Approach Road Length 1420 m & Width 7 m		
39. No. of Trees to be Planted	550 Trees		

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

**RESOLUTION AGAINST AGENDA NO. 08**

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated following additional TOR Points:

**Additional TOR:**

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants. The proponent/consultant shall submit the plantation plan along with permission of concerned authority/ individuals.
2. The proponent/ consultant should prepare and submit a proposed plan for safe disposal of municipal solid waste and human excreta.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement from lease site to link road with detailed information.
5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
6. Proponent/ Consultant should provide the plan/information about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
7. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
8. Water requirement details along with source of water.
9. Monitoring site photographs along with PP/PP authorized person, date, time and place with geo coordinates should be submitted at the time of EIA presentation.

**9. Soil Excavation from Khasra/Gata Nos 586kh, 623kh, 629, 689gh, 622gh, 690kh, 691kh, 685kh and 686, at Village- Sainjni, Tehsil - Chandausi, District - Sambhal, Area – 1.327 ha. File No. 6763/Proposal No. SIA/UP/MIN/245338/2021**

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. 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 soil excavation at Khasra/Gata Nos 586kh, 623kh, 629, 689gh, 622gh, 690kh, 691kh, 685kh and 686, Village- Sainjni, Tehsil - Chandausi, District - Sambhal, Uttar Pradesh, (Leased area – 1.327 ha).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/245338/2021
2.	File No. allotted by SEIAA, UP	6763
3.	Name of Proponent	Shri Rajesh Kumar
4.	Full correspondence address of proponent and mobile no.	Rajesh Kumar
		S/o Rajpal Singh, R/o Kanharpur Nagla Barah, Tehsil- Bisauli, District - Badaun, U. P.
		Mobile no. – 9557758074
		E mail ID - rajeshsimplesoil@gmail.com
5.	Name of Project	simple soil excavation from Khasra/Gata Nos 586kh, 623kh, 629, 689gh, 622gh, 690kh, 691kh, 685kh and 686, total area –

**Minutes of 614<sup>th</sup> SEAC-2 Meeting Dated 29/12/2021**

		1.327 ha at Village- Sainjni, Tehsil - Chandausi, District - Sambhal, Uttar Pradesh.		
6.	Project Location (Plot. Khasra/Gata No.)	Khasra/Gata Nos 586kh, 623kh, 629, 689gh, 622gh, 690kh, 691kh, 685kh and 686, total area – 1.327ha at Village- Sainjni, Tehsil - Chandausi, District - Sambhal, Uttar Pradesh.		
7.	Name of River	Ganga River		
8.	Name of Village	Village – Village- Sainjni, Tehsil - Chandausi, District - Sambhal, Uttar Pradesh.		
9.	Tehsil	Chandausi		
10.	District	Sambhal		
11.	Name of Minor Mineral	Simple soil mining		
12.	Sanctioned Lease Area (in Ha.)	1.327 ha		
13.	Max. & Min mRL within lease area	The highest level is 189.0mRL The lowest level is 186.0 mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
		A	28°25'49.76"N	78°43'16.24"E
		B	28°25'50.92"N	78°43'12.34"E
		C	28°25'52.26"N	78°43'13.26"E
		D	28°25'53.21"N	78°43'11.64"E
		E	28°25'50.94"N	78°43'9.70"E
		F	28°25'50.18"N	78°43'10.46"E
		G	28°25'49.65"N	78°43'10.03"E
		H	28°25'49.22"N	78°43'10.53"E
		I	28°25'48.96"N	78°43'10.29"E
		J	28°25'48.09"N	78°43'10.96"E
		K	28°25'46.95"N	78°43'11.44"E
		L	28°25'45.79"N	78°43'12.67"E
		M	28°25'45.94"N	78°43'12.84"E
		N	28°25'46.70"N	78°43'11.93"E
		O	28°25'49.04"N	78°43'13.71"E
		P	28°25'48.89"N	78°43'14.02"E
Q	28°25'49.24"N	78°43'14.23"E		
R	28°25'48.76"N	78°43'15.26"E		
15.	Total Geological Reserves	29194 m <sup>3</sup>		
16.	Total Mineable Reserve	26007 m <sup>3</sup>		
17.	Total Proposed Production	25,000 m <sup>3</sup> (6.0 Months)		
18.	Proposed Production /year (as per LoI)	25,000 m <sup>3</sup> (6.0 Months)		
19.	Sanctioned Period of Mine lease	0.6 years		
20.	Method of Mining	Semi Mechanized		
21.	No. of working days	180		
22.	Working hours/day	12		
23.	No. of worker	20		
24.	No. of vehicles movement/day	12		
25.	Type of Land	Pvt. Land		
26.	Ultimate of Depth of Mining	2.20 m ( For Mining Plan Period )		
27.	Nearest metalled road from site	0.15 km		
28.	Water Requirement	PURPOSE		
		Drinking	- 0.20 KLD	
		Suppression of dust	- 1.8 KLD	
		Plantation	- 0.20 KLD	
		Others (if any)	- 0.00 KLD	
		Total	- 2.20 KLD	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120 Valid till – 13/01/2022		

30.	Any litigation pending against the project or land in any court	No
31.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No. 940/ Khanij Anubhag/2021 Dated 10/12/2021
32.	Details of Lease Area in approved DSR	Simple Soil Mining
33.	Project Cost	15.0 Lac/annum
34.	Proposed CER cost	0.75 Lac/annum
35.	Proposed EMP cost	1.35Lacs
36.	Length and breadth of Haul Road	Length – 15 m, Breadth – 6.00 m
37.	No. of Trees to be Planted	200

3. 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.
4. 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.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO. 09**

**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-4 to these minutes.**

**10. “Sand Mining” at Ghaghra River Bed at Gata No. 396/1 Village: Takia Dharahara Khadar, Tehsil: Salempur, District: Deoria, Area: 11.70 Ha. File No. 6764/Proposal No. SIA/UP/MIN/ 68944/2021**

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

1. The terms of reference is sought for “Sand Mining” at Ghaghra River Bed at Gata No. 396/1 Village: TakiaDharaharaKhadar, Tehsil: Salempur, District: Deoria, U.P. (Leased Area: 11.70 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	Proposal No. : SIA/UP/MIN/68944/2021
2. File no. allotted by SEIAA, UP	6764
3. Name of Proponent	Shri Shri Raj Pratap Yadav, S/o Shri Bhagwat Prasad Yadav
4. Full correspondence address of proponent and mobile no.	R/o: Rampur khurd, Post-Piper patti, Thana- Rampur karkhana, Tehsil-Deoria District- Lucknow, Uttar Pradesh.
5. Name of Project	“ Ordinary Sand Mining”
6. Project location (Plot/Khasra/Gate No.)	Gata. No. – 396/1
7. Name of River	Ghaghra River
8. Name of Village	Takia Dharahara khadar
9. Tehsil	Salempur
10. District	Deoria (U.P)
11. Name of Minor Mineral	River Bed Material (Ordinary Sand)
12. Sanctioned Lease Area (in Ha.)	11.70 Ha
13. Altitude of the Area	The Highest Point at 64.50 mRL The Lowest Point at 62.0 mRL

14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	26° 7'22.30"N	83°54'27.94"E
	B	26° 7'18.18"N	83°54'24.06"E
	C	26° 7'10.90"N	83°54'58.69"E
	D	26° 7'13.08"N	83°55'0.80"E
Toposheet: 72 B4 & 63 N 16			
15. Total Geological Reserves	3,51,000 m <sup>3</sup>		
16. Total Mineable Reserves	2,10,000 m <sup>3</sup>		
17. Total Proposed Production (in five year)	5,85,000 m <sup>3</sup>		
18. Proposed Production/year	1,17,000 m <sup>3</sup> per annum		
19. Sanctioned Period of Mine lease	05 Years		
21. Method of Mining	Open Cast, Semi-mechanized		
22. Drilling & Blasting	Yes (if Required)		
23. No. of Working days	260 Days		
24. Working hours/day	8 hours/day		
25. No. of Workers	68 Manpower		
26. No. of vehicles movement/day	5 Units (Assumed Loading Capacity: 10 m <sup>3</sup> /Unit)		
27. Type of Land	State Government Land		
28 Ultimate Depth of Mining	2.01 m (64.50mRL – 62.0 mRL)		
29. Nearest metalled road from site	Ajana-Bhagalpur Road 4 km in North direction.		
30. Water Requirement	Source	Purpose	Avg. Demand/Day
	Portable Tanker	Drinking & others @5lpcd/worker	68 workers x 5 lpcd = 340 lit/day
		Plantation @2 Lit/plant	5850 Trees x 2 lpcd = 11700 Lit/day
		Dust suppression @1 Lit/Sq.m (Twice in a day)	Haul Road Area = (1000 m Length x 7m Width = 7000 m <sup>2</sup> ) x 1 lit/sq.m = 7000 lit
	Total		19.04 KLD (19.04 KLD)
31. Name of QCI Accredited Consultant with QCI No and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Extension Validity Till March 26/2022		
32. Any litigation pending against the project or hand in any court	No		
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Deoria. Letter No. 1230, खनन सहायक कौ, दिनांक -20-12-2021		
34. Details of Lease Area in approved DSR	Letter No. 1343/M.228/2017(Khanin Niti)-DSR. Date: 19 November, 2020.		
35. Total Proposed Project Cost	Rs. 3.06 Lakhs		
36. Proposed CER cost	Rs 6.12 Lakhs (2% of the total Project Cost)		
37. Proposed EMP cost	Rs 35.57 Lakhs		
38. Length and Width of Haul Road	Haulage Road Length 1057 m & Haulage Road Width 7 m		
39. No. of Trees to be Planted	5850 Trees		

3. 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.
4. 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.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO. 10**

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated the following specific conditions:

1. NOC from Irrigation Department for river bed mining activity.

**11. “Sand Mining” Project in Koshi River at Gata No. 236, 237, 238, 240 & 245, Village- Rampur Dhamman, Tehsil-Tanda, Rampur., Area: 1.721 Ha. File No. 6578/Proposal No. SIA/UP/MIN/ 229510/2021**

The committee noted that the matter was earlier discussed in 527<sup>th</sup> SEIAA meeting dated 02/12/2021 and directed is as follows:

“SEIAA opined to refer back to SEAC-2 that there is no letter related to mine plan approval and khasra map with geo-coordinated is available in your minutes of the meeting. To deliberate upon on these two issues and sent the report / recommendation accordingly.”

As per the direction of SEIAA, the matter was listed in 614<sup>th</sup> SEAC meeting dated 29/12/2021. The committee noted that the project proponent submit the khasra map verified by Mining Officer, Rampur and mining plan approval letter dated 29/09/2020 issued by Directorate of Geology and Mining Department, Lucknow. The committee found the reply submitted by the project proponent is satisfactory and recommended to grant the environmental clearance for the project proposal along with general and specific conditions earlier prescribed in 590<sup>th</sup> SEAC meeting dated 09/11/2021.

**12. Gitti - Boulder (Dolo Stone) Mining at Araj No. 5593 Ka Khand No.-08 Village- Billi Markundi, Tehsil- Obra, Sonbhadra., Shri Manish Khushlani M/s K.D. Resources Pvt. Ltd, Area:4.230 Ha. File No. 6724/Proposal No. SIA/UP/MIN/ 69932/2021**

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

1. The terms of reference is sought for Building Stone Gitti-Boulder (Dolostone) Mining at Araj no.5593 Ka Khand No-8 Village- Billi Markundi, Tehsil- Obra , District- Sonbhadra, Uttar Pradesh, (Leased Area 4.230 Ha), K.D Resources Pvt. Ltd.
2. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/69932/2021
2.	File No. allotted by SEIAA, UP	6724
3.	Name of Proponent	Shri Manish Khushlani (K.D. Resources Pvt. Ltd.)

**Minutes of 614<sup>th</sup> SEAC-2 Meeting Dated 29/12/2021**

4.	Full correspondence address of proponent and mobile no.	M/s K.D. Resources Pvt. Ltd. A-6 Mool Chandra Complex, Carbala Road, Old Bus Station Bilaspur, Chhatishgarh. Shri Manish Khushlani S/o Shri RajkumarKhushlani R/o Jabarpatra, Gali no. 2, New Sarkanda, Bilaspur, Chhatisgarh.		
5.	Name of Project	Building Stone Gitti - Boulder (Dolostone) Mining Project At Araj No. 5593 Ka Khand No-8 Village- Billi Markundi, Tehsil- Obra , District- Sonbhadra, Uttar Pradesh. Area 4.230 Ha		
6.	Project Location(Plot.Khsra/Gata/Araji No.)	Araji No-5593 Ka Khand No- 8		
7.	Name of Village	Billi Markundi		
8.	Tehsil	Obra		
9.	District	Sonbhadra		
10.	Name of Minor Mineral	Building Stone Gitti - Boulder (Dolostone)		
11.	Sanctioned Lease Area (in Ha.)	4.230 Ha		
12.	Max. & Min mRL within lease area	249.5mRL& 182.1mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	24° 29'14.46"N	83°00'11.61"E
		B	24° 29'21.51"N	83°00'09.89"E
		C	24° 29'21.06"N	83°00'13.23"E
		D	24° 29'19.83"N	83°00'12.98"E
		E	24° 29'19.40"N	83°00'14.86"E
		F	24° 29'19.96"N	83°00'15.08"E
		G	24° 29'19.34"N	83°00'19.31"E
		H	24° 29'13.31"N	83°00'17.69"E
14.	Total Geological Reserves	2178590 m <sup>3</sup> /Annum		
15.	Total Mineable Reserve in LOI	1,35,360 m <sup>3</sup> /Annum		
16.	Total Proposed Production in LOI	1,35,360 m <sup>3</sup> /Annum		
17.	Total Proposed Production in 20 Years	1,35,360 *20 m <sup>3</sup> =27,07,200		
18.	Sanctioned Period of Mine lease	20 Years		
19.	Method of Mining	Open cast Manual/ Semi Mechanized Mining		
20.	No. of working days	300 Days		
21.	Working hours/day	8 Hours		
22.	No. of worker	30 Workers		
23.	No. of vehicles movement/day	50 Trucks / Day (Depending on market demand)		
24.	Type of Land	Govt. Land		
25.	Ultimate of Depth of Mining	48 m		
26.	Nearest metalled road from site	1.00Km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.30 KLD	
		Suppression of dust	6.0 KLD	
		Plantation	0.84 KLD	
		Others (if any)		
		Total	7.14 KLD	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-01-2022		
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-3250/Khanij/2021 Date-30.9.2021		
31.	Details of Lease Area in approved DSR (Shuddhi Patra )	Sr.No 4 Vide Letter No- 1718/Khanij 2021 Dated 17.6.2021		
32.	Proposed CER cost	2% of total project cost i.e. Rs.1.35 Lakhs		



33.	Proposed EMP cost	16.12 Lakhs
34.	Length and breadth of Haul Road	1000 mt Length & 6m width haulage road
35.	No. of Trees to be Planted	420 Trees/Year

3. 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.
4. 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.
5. There is no litigation pending in any court regarding this project.
6. 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 to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated following additional TOR Points:**

#### **Additional TOR:**

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants. The proponent/consultant shall submit the plantation plan along with permission of concerned authority/ individuals.
2. The proponent/ consultant should prepare and submit a proposed plan for safe disposal of municipal solid waste and human excreta.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement from lease site to link road with detailed information.
5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
6. Proponent/ Consultant should provide the plan/information about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
7. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
8. Water requirement details along with source of water.
9. Monitoring site photographs along with PP/PP authorized person, date, time and place with geo coordinates should be submitted at the time of EIA presentation.

**13. Stone Mining at Araj No./ Gata No.-519, Village- Ghasipur, Tehsil- Chunar, Mirzapur., M/s Divyansh Enterprises, Area -2.02 ha. File No. 6222/Proposal No. SIA/UP/MIN/61498/2021**

The committee noted that the matter was earlier discussed in 538<sup>th</sup> SEIAA meeting dated 15/12/2021 and directed is as follows:

“SEIAA noted that SEAC has recommended to **issue the standard terms of reference. SEIAA gone through the file and documents and found that minutes of the meeting states that** a presentation was made by the project proponent along with their consultant M/s Globus environment engineering services, whereas presentation has been made by Green Enviro Engineers, no explanation has been given in this regard. Hence SEIAA opined that the project shall be referred back to the SEAC for review/comments. ”

As per the direction of SEIAA, the matter was listed in 614<sup>th</sup> SEAC meeting dated 29/12/2021. The project proponent submit the clarification of the query raised by the SEIAA vide letter dated 27/12/2021 and informed that the case was present before SEAC-2 dated 29/07/2021 by M/s Globus Environment Engineering Services wherein some queries raised in meeting. In the meantime the project proponent changed the environmental consultant and authorized M/s Green Enviro Engineers Pvt. Ltd. and the reply presentation dated 29/11/2021 was made by M/s Green Enviro Engineers Pvt. Ltd. The project proponent also submit the letter regarding change of environmental consultant.

The committee went through the file and documents and found the reply submitted by the project proponent is satisfactory and recommended to read the name of consultant M/s Green Enviro Engineers Pvt. Ltd. instead of M/s Globus Environment Engineering Services in 597<sup>th</sup> SEAC meeting dated 29/11/2021.

**Nodal, SEAC-2**

**(Prof. Jaswant Singh)**  
Member, SEAC-2

**(Dr. Amrit Lal Haldar)**  
Member, SEAC-2

**(Dr. Dineshwar Prasad Singh)**  
Member, SEAC-2

**(Tanzar Ullah Khan)**  
Member, SEAC-2

**(Dr. Shiv Om Singh)**  
Member, SEAC-2

**(Dr. Harikesh Bahadur Singh)**  
Chairman, SEAC-2

**Annexure-1**

**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) 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.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 25) Description of water conservation measures proposed to be adopted in the Project should be given.
- 26) Details of rainwater harvesting proposed in the Project, if any, should be provided.

- 27) 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.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 29) 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.
- 30) 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.
- 31) 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.
- 32) 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.
- 33) 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.
- 34) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 35) 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.
- 36) 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.
- 37) 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.
- 38) 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.
- 39) 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.
- 40) 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.
- 41) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 42) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP

should be clearly spelt out.

- 43) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 44) 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.
- 45) 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 Gitti, Patthar& Boulder Mining Projects: -**

**A. General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 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 1<sup>st</sup> 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 regularly at its own expenses. The link roads from mining area to main road shall be constructed as all-weather road with black topping and maintained by the project proponent.
17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area, roads and green belt development etc.
18. Status of implementation shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs if any flowing through the ML area and silts arrested. De silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de silted at regular intervals.
23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained.

The monitoring data shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.

24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., premonsoon (April/May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.

35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
44. The blasting will be done only after getting permission from the Mining Department.

**General and Specific Conditions for Sand/Morum Mining Proposals**

**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 law.
3. Any change in mining area, khasra numbers, entailing capacity addition with change in process and or mining technology, modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended).
4. Precise mining area will be jointly demarcated at site by project proponent and officials of Mining/Revenue department prior to starting of mining operations. Such site plan, duly verified by competent authority along-with copy of the Environmental Clearance letter will be displayed on a hoarding/board at the site. A copy of site plan will also be submitted to SEIAA within a period of 02 months.
5. Mining and loading shall be done only within day hours' time.
6. No mining shall be carried out in the safety zone of any bridge and/or embankment.
7. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
8. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the clearance shall be automatically deemed to have been cancelled.
9. Parking of vehicles should not be made on public places.
10. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
11. No wildlife habitat will be infringed.
12. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed /basin, where mining is carried out.
13. It shall be ensured that mining operation of Sand/Moram will not in any way disturb the, velocity and flow pattern of the river water significantly.
14. It shall be ensured that there is no fauna dependant on the river bed or areas close to mining for its nesting. A report on the same, vetted by the competent authority shall be submitted to the RO, PCB and SEIAA within 02 months.
15. Primary survey of flora and fauna shall be carried out and data shall be submitted to the RO, PCB and SEIAA within six months.
16. Hydro-geological study shall be carried out by a reputed organization/institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the RO, PCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
17. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, UPPCB and SEIAA and this activity should be completed before the start of sand mining.
18. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects/tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.

19. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO/Horticulture Officer.
20. Separate stock piles shall be maintained for excavated top soil, if any, and the top soil should be utilized for green cover/tree plantation.
21. Dispensary facilities for first-aid shall be provided at site.
22. An Environmental Audit should be annually carried out during the operational phase and submitted to the SEIAA.
23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation and Urban Local Body.
26. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
27. Waste water, from temporary habitation campus be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
28. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
29. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken, shall be carried-out by the project proponent regularly at his own expenses.
30. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other suitable material.
31. Under corporate social responsibility a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for total lease period. Its budget is to be separately maintained. CER component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
32. Possibility for adopting nearest three villages shall be explored and details of civic amenities such as roads, drinking water etc proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
33. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P and UPPCB.
34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.
35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.

37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. 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. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).
42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Integrated Regional Office, MoEF&CC, GoI, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

**Specific Conditions:**

1. The Environmental clearance will be co-terminus with the mining lease period.
2. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
3. Environment management in according to environmental status and impact of the project.
4. During the school opening and closing time transportation of minerals will be restricted.
5. Selection of plants for green belt should be on the basis of pollution removal index. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
6. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
7. Pakkamotorable haul road to be maintained by the project proponent.
8. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

9. Permission from the competent authority regarding evacuation route should be taken.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road. Width of the haul road shall be more than 6 meter.
14. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
15. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
16. Provision for two toilets and hand pumps should be made at mining site.
17. Drinking water for workers would be provided by tankers.
18. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
19. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
20. Corporate Environmental Responsibility (CER) plan 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.
21. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
22. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
23. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
24. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
25. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
26. If in future this lease area becomes part of cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
27. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
28. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
29. 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 area is less than 05 ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05 ha, the E.C issued will stand revoked.
30. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.

31. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
32. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width which-ever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
33. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
34. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
35. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
36. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
37. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
38. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
39. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
40. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
41. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. 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.
42. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
43. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
44. Solid waste material viz., gutkhapouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
45. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
46. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P. and UPPCB.
47. The project authorities 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 Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, CPCB, State PCB.

48. The MoEF&CC/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
49. 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.
50. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
51. Waste water from potable use be collected and reused for sprinkling.
52. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.

**Annexure-4**

**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.