

### **Minutes of 681<sup>st</sup> SEAC-2 Meeting Dated 05/09/2022**

The 681<sup>st</sup> meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 05/09/2022. 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) |
| 7. | Shri Ashish Tiwari,         | Member Secretary, SEAC-2    |

The Chairman welcomed the members to the 681<sup>st</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 of Existing Formaldehyde Manufacturing Unit from 30MT/day to 250 MT/day and Urea Formaldehyde Resin 100 MT/day At Plot No. F-156, F-157, F-158, F-159, Industrial Area Masoori- Gulawathi, District-Hapur, M/s R S Organics Pvt. Ltd. File No. 7199/Proposal No. SIA/UP/IND3/80900/2022**

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 & Development. The project proponent/consultant informed the committee that the existing unit has been established by M/s R S Organics Pvt. Ltd. before 2006 and the project proposal was not covered under EIA Notification, 2006. The project proponent submit the Consent to Established (CTE) issued by UP Pollution Control Board on 07/01/2005 in support of above statement.

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 Expansion of Existing Formaldehyde Manufacturing Unit from 30MT/day to 250 MT/day and Urea Formaldehyde Resin 100 MT/day at Plot No. F-156, F-157, F-158, F-159, Industrial Area Masoori- Gulawathi, District-Hapur, M/s R S Organics Pvt. Ltd.
2. Salient features of the project:

Particulars	Details				
Name of the unit	M/s R S ORGANICS PVT.LTD				
Location of the factory	Plot No. F-156, F-157, F-158, F-159, Industrial Area Masoori- Gulawathi, Hapur, Uttar Pradesh				
Geo coordinates of the project	Pillar	Lat	Long		
	A	28°39'16.51"N	77°34'13.10"E		
	B	28°39'15.71"N	77°34'14.30"E		
	C	28°39'14.18"N	77°34'13.04"E		
	D	28°39'14.90"N	77°34'11.83"E		
Production details	S.	Products	Existing	Proposed	After expansion

	No				
	1	Formaldehyde	30 MT/day	220 MT/day	250 MT/day
	2	Urea Formaldehyde Resin	---	100 MT/day	100 MT/day
Category of industry	5 (f) Synthetic Organic Chemicals As per EIA Notification 2006, and Amendments thereof.				
Category of Project	MSME				
Cost of the project	Rs. 4.0 Cr. (Existing-1.25 Cr and Proposed- 2.75 Cr)				
Land details	Land is allotted by UPSIDC TO M/s R S Organics Pvt. Ltd Total land area: 2400.00 sq.m.				
Area detail	Particulars	Area(M2)		Percentage (%)	
	Plant area, Office Area	1000.00		41.70	
	Road and Open area	600.00		25.0	
	Green Belt area	800.00		33.3	
	Total Area	2400.00		100.00	
Boiler and Capacity	1 TPH Boiler is existing.				
Cooling Tower	Existing-400 m3/Hr. (1 No.) and Proposed-200 m3/Hr. (1 No.)				
Stack & APCM details	Boiler shall be installed with wet scrubber with Multi-cyclone dust collector & 30m height chimney				
Waste Management					
Solid waste, Hazardous waste,	All Hazardous Waste, solid & other waste will be segregated and properly stored prior to its final disposal and its managed would be carried out as per HW Rules, SW Rules & CPCB/SPCB guideline/ Hazardous Rules 2016				
Man Power					
	S. No	Description			Manpower
	1	Plant Manager			01
	2	Shift In-charge			03
	3	Chemist			02
	4	Operator & Office Staff			09
	Total				15
Source of power	Power Requirement after expansion: 235 kW (Existing 156.80 KW and Proposed 78.40 KW) Source of Power supply: UPPCL Backup Power: Existing 2 D.G set of capacity 125 KVA, Proposed 160 KVA				
Raw Material	Raw Material requirement for production of Formaldehyde is Methanol (For Formaldehyde) Melamine, Urea, Phenol (For resin) through Road tanker				
Water requirement	220 KLD				
ETP capacity proposed	100 KLD				

**3. Water requirement details:**

	Existing kLD	Proposed (Additional) kLD	Total after Expansion kLD	Remarks
Domestic	0.675	0.450	1.125	Existing water for domestic is already more than sufficient so, domestic water for proposed expansion is not required.
Gardening	2.376	1.500	3.876	
Industrial				
Process	15	110	125	Fresh Water
Washing	0.1	0.1	0.2	
Boiler*	0.05	0.05	0.1	
Cooling	40	49.69	89.69	
Others	-	-	-	
Industrial Total	55.15	159.84	214.99	
Grand Total (A+B+C)	58.2	161.79	219.991	

4. The project proposal falls under category-5(f) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 25/07/2022 mentioning is as follows:

1. I, Awadhesh Kumar, S/o Shri Paltan Prasad is EIA Coordinator of Paramarsh (Servicing Environment & Development).
2. I have prepared TOR report for the proposal no. SIA/UP/IND3/809000/2022 of the client Shri Rajesh jain, Director of M/s RS Organics Pvt. Ltd., U.P. for the Expansion of Existing Formaldehyde Manufacturing Unit from 30MT/day to 250 MT/day and Urea Formaldehyde Resin 100 MT/day at Plot No. F-156, F-157, F-158, F-159, Industrial Area Masoori- Gulawathi, District-Hapur with my team.
3. I have personally visited the site of proposal and certify that the project M/s RS Organics Pvt. Ltd. are an existing unit located at plot no. F-156,-159, Industrial area Masoori-Gulawathi, Hapur, UP. At present project involved in the manufacturing of Formaldehyde and CTE has been issued on dated 07/01/2005. CTO is valid up to 31/12/2024 with the approved production capacity for Formaldehyde – 30 MT/day for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA/EMP are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal. In case the project is being uploaded for the second time that is only after the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

### **RESOLUTION AGAINST AGENDA NO-01**

**The committee discussed the matter and recommended to issue standard terms of reference prescribed by MoEF&CC, Govt. of India for the preparation of EIA studies regarding the project. The committee also stipulated following additional TOR points:**

#### **Additional TOR:**

1. Permission/NOC from CGWA for water abstraction.
2. Compliance report of CTO condition in tabular form along with latest CTO certificate.
3. Process description along with major equipment and machines, process flow sheet (quantitative) from raw material to product.
4. Monitoring to be conducted as per SoP. Photograph of monitoring along with date, time and location with PP/ PP representative.
5. Detailed plan about the protection from odour during the operation phase.

#### **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 Iexisting 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 2006 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
- ii. for selecting the site, whether other sites were considered.
- iii. 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)
- iv. Details w.r.t. option analysis for selection of site 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 upto 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 micrometeorological 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 Modelling 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 modelling 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 modelling - 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 conveyorcum- 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, colour 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. ) Enterprise Social Commitment (ESC)
    - 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.
  12. 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.
  13. A tabular chart with index for point wise compliance of above TOR.
  14. Details on solvents to be used, measures for solvent recovery and for emissions control.
  15. Details of process emissions from the proposed unit and its arrangement to control.
  16. Ambient air quality data should include VOC, other process-specific pollutants\* like NH<sub>3</sub>\*, chlorine\*, HCl\*, HBr\*, H<sub>2</sub>S\*, HF\*, etc., (\*as applicable)
  17. Work zone monitoring arrangements for hazardous chemicals.
  18. Detailed effluent treatment scheme including segregation of effluent streams for units adopting 'Zero' liquid discharge.
  19. Action plan for odour control to be submitted.
  20. A copy of the Memorandum of Understanding signed with cement manufacturers indicating clearly that they co-process organic solid/hazardous waste generated.
  21. Authorization/Membership for the disposal of liquid effluent in CETP and solid/hazardous waste in TSDF, if any.
  22. Action plan for utilization of MEE/dryers salts.
  23. Material Safety Data Sheet for all the Chemicals are being used/will be used.
  24. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.
  25. Details of incinerator if to be installed.
  26. Risk assessment for storage and handling of hazardous chemicals/solvents. Action plan for handling & safety system to be incorporated.
  27. Arrangements for ensuring health and safety of workers engaged in handling of toxic materials.
2. **Dixon Technologies (India) Limited at Plot No. 06, Sector-151, Noida, District-Gautam Budh Nagar, Shri Suneel Kumar Singh, M/s. Dixon Technologies (India) Limited. File No. 7203/Proposal No. SIA/UP/MIS/284758/2022**

A presentation was made by the project proponent representative along with their consultant M/s Geogreen Enviro House Pvt. Ltd. During the presentation The committee members asked some questions and also raise some quarries regarding the project, Consultant were not able to reply properly for the quarries and they assured that quarries replied shall be submitted later on. The committee discussed the matter and directed the project proponent/Consultant to submit the following information and documents:

1. EIA coordinator shall submit the notarized affidavit as per the SEIAA format.
2. As per Parivesh Portal file no. 7203 and file no. 7144 are in the same name of M/s Dixon Technologies (India) Ltd. Noida are under process at SEAC and SEIAA level. The above files are of the same project or for different projects. Submit the clarification with documents along with notarized affidavit
3. Latest Project site photographs along with date, time and geo-coordinates.
4. Revised Plan for Municipal solid waste for collection and proper disposal.
5. Revised Plan for parking along with electric vehicle charging station in the premises.
6. Revised plan for rain water harvesting along with water balance flow diagram.
7. The permission from the Airport Authority (NOC) .
8. 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.
9. 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. Permission letter should be provided at the time of presentation.
10. Layout plan of project which indicates the location of STP, DG sets, Municipal solid waste site (Organic waste converter OWC) and electric vehicles charging station.
11. 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 at the time of presentation
12. 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.
13. Details of STP with respect to the above specific project.
14. Structural stability certificate from the competent authority.
15. The hard copies of the said project, document duly signed by consultant and project proponent to be submitted.
16. Revised Environment Management Plan (EMP) and CER Plan to be submitted as per the MoEF-CC guidelines.

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

**3. Soil Excavation at Gata No.- 195, Village- Badi, Tehsil- Sidhauri, Sitapur, Shri Dhirendra Pratap Singh, Area: 0.392 ha. File No. 7205/Proposal No. SIA/UP/MIN/285104/2022**

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 Soil Excavation at Gata No. 195, Village- Badi, Tehsil- Sidhauri, Sitapur, U.P., (Leased Area: 0.392 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/285104/2022
2. File No. allotted by SEIAA, UP	7205
3. Name of Proponent	Dhirendra Pratap Singh
4. Registered Address	Dhirendra Pratap Singh, S/o Shri Jaykaran Singh, Vill- Magraura, Tehsil-Sidhauri, Dist-Sitapur, Uttar Pradesh.
5. Full correspondence address of Project Proponent	Dhirendra Pratap Singh, S/o Shri Jaykaran Singh, Vill- Magraura, Tehsil-Sidhauri, Dist-Sitapur, Uttar Pradesh. Mobile No. 9219455928 E-mail ID: dhirendra1945@yahoo.com



6. Name of Project	Soil Excavation Project		
7. Project location (Plot/Khasra/Gata No.)	195		
8. Name of Village	Badi		
9. Tehsil	Sidhauli		
10. District	Sitapur		
11. Name of Minor Mineral	Soil		
12. Total Area (in Ha. )	0.392 ha		
13. Mineable Area (in Ha. )	0.392 ha		
14. Pillar Coordinates (Verified by DMO)	Pillars	Latitude	Longitude
	A.	27°16'39.00"N	80°47'59.27"E
	B.	27°16'39.44"N	80°47'57.89"E
	C.	27°16'38.76"N	80°47'57.42"E
	D.	27°16'39.10"N	80°47'56.38"E
	E.	27°16'38.36"N	80°47'55.59"E
	F.	27°16'37.74"N	80°47'58.91"E
15. Period of agreement between Project Proponent & Land Owner	3 Months		
16. Mine Plan approval details	Letter No.14/M.-Kha./Yo./2021-22    Date: 14/July/22		
17. Validity of Mine Plan	3 Months		
18. Total Proposed Production	9,000 cu.m		
19. Proposed Production/year	9,000 cu.m		
20. Method of Mining	Open cast /Semi-Mechanized		
21. No. Of workers	8		
22. Type of Land	Private land		
23. Ultimate Depth of Mining	2.5   metre		
24. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.1	
	Suppression of dust	1.0	
	Plantation	0.3	
	Others (if any)	-	
	Total	1.4   KLD	
25. Name of QCI Accredited Consultant with QCI No.and period of validity.	P & M   Solution First Floor, C-88, Sector-65, Noida, U.P.		
	NABET/EIA/1922/IA0053, Valid till December 10/2022.		
26. Any litigation pending against the project or land in any court	No		
27. Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration	None		
28. Areas occupied by sensitive manmade land uses (hospitals, schools, places of worship, community facilities)	C.H.C Sidhauli, 3.55 km East of the project site. National Inter College, 3.23 km in N.E direction from the project site. Siddheshwar Mahadev Mandir 3.14 km in East direction.		
29. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 176...Khanan/Sitapur/2022-23..... .dated...19/07/2022.		
30. Proposed CER cost	Rs 20,000		
31. Proposed EMP cost	Rs 1,00,000		
32. No. of Trees to be Planted	300		
33. Detail of CTE issued by UPPCB (for brick kiln	NA		

project)	
3.	The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4.	This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5.	The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6.	There is no litigation pending in any court regarding this project.
7.	The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 30/07/2022 mentioning is as follows:

1. I, Rahul Kumar, S/o Shri Shiv Kumar is EIA Coordinator of P&M Solution.
2. I have prepared EIA/EMP report for the proposal in the name of Soil Excavation at Gata No. 195, Village- Badi, Tehsil- Sidhauli, Sitapur, U.P., (Leased Area: 0.392 ha.) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal. In case the project is being uploaded for the second time that is only after the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

### **RESOLUTION AGAINST AGENDA NO. 03**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to these minutes.**

#### **4. Building stone (Sand stone) mining project at Gata No. 588, at Village-Jigana, Chunar, District- Mirzapur, U.P., Shri Shishir Pandey. Area- 2.02 ha. File No. 5346/Proposal No. SIA/UP/MIN/47746/2019**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental and Technical Research Centre. 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 (Sand stone) mining project at Gata No. 588, Village-Jigana, Tehsil-Chunar, District- Mirzapur, U.P., (Leased Area- 2.02 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 265/Parya/SEAC/5364/2019 dated 28/08/2020.
3. The public hearing was organized on 02/05/2022 at Prathmik Vidyalay, Village-Jigna, Teshil-Chunar, District-Mirzapur. Final EIA report submitted by the project proponent on 02/08/2022.

4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/47746/2019		
2.	File No. allotted by SEIAA, UP	5364		
3.	Name of Proponent	Shri Shishir Pandey S/o Shri Ramesh Chandra Pandey		
4.	Full correspondence address of proponent and mobile no.	Add.- Ahraura Khasdih , Thana - Ahraura, Tehsil - Chunar, District - Mirzapur, Uttar Pradesh-231301		
5.	Name of Project	“Building stone (Sand stone)” Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 588		
7.	Name of Village	Jigna		
8.	Tehsil	Chunar		
9.	District	Mirzapur		
10.	Name of Minor Mineral	“Building stone (Sand stone)”		
11.	Sanctioned Lease Area (in Ha.)	2.02 ha.		
12.	Max.& Min mrl within lease area	310.50 mRL- 62.94 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 2.856'N	83° 3.266'E
		B	25° 2.849'N	83° 3.335'E
		C	25° 2.777'N	83° 3.333'E
		D	25° 2.725'N	83° 3.270'E
14.	Total Geological Reserves	1472685.0 m <sup>3</sup>		
15.	Total Mineable Reserves	528984.0 m <sup>3</sup>		
16.	Total Proposed Production (in five year)	101000 m <sup>3</sup>		
17.	Proposed Production / year	Year	Building stone (Sand stone) (in m <sup>3</sup> )	
		1 <sup>st</sup>	20200	
		2 <sup>nd</sup>	20200	
		3 <sup>rd</sup>	20200	
		4 <sup>th</sup>	20200	
		5 <sup>th</sup>	20200	
		Total	101000	
18.	Sanctioned Period of Mine lease	20 Year		
19.	Method of Mining	Opencast Semi-Mechanized		
20.	No.of working days	300 days		
21.	Working hours/day	8 Hours/Day		
22.	No. of workers	21 (approx.)		
23.	No. of vehicle movement /day	4 (approx.)		
24.	Type of Land	Govt. Land		
25.	Ultimate Depth of Mining	6 meters (average)		
26.	Nearest metalled road from site	0.55 km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.21	
		Suppression of dust	4.92	
		Plantation	0.84	
		Others( if any)	-----	
		Total	6.0	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Environmental & Technical Research Centre, 2/261, Vishwas Khand, Gomti Nagar, Lucknow, Uttar Pradesh NABET/EIA/1922/IA0050 Validity- November 01, 2022		
29.	Any litigation pending against the project or land in any court	No		
30.	Details of 500 m Cluster certificate Verified by Mining Officer	DMO Mirzapur vide Letter No. 1139, Dated: 11. 09. 2019.		
31.	Details of Lease Area in approved DSR	Page No. 102, Sr. No. 07		
32.	Proposed CER cost	1.24 Lakh		
33.	Proposed EMP cost	22.65 Lakh		
34.	Length and breadth of Haul Road.	Length- 410 m, Width- more than 6.0 m		
35.	No. of Trees to be Planted	250 trees		

5. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 10/08/2022 mentioning is as follows:

1. I, Shalini Gupta S/o O.P. Gupta Khalid is EIA Coordinator of Environmental and Technical Research Centre.
2. I have prepared EIA/EMP report for the proposal in the name of Building stone (Sand stone) mining project at Gata No. 588, Village-Jigana, Tehsil-Chunar, District- Mirzapur, U.P., (Leased Area- 2.02 ha.) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal. In case the project is being uploaded for the second time that is only after the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

#### **RESOLUTION AGAINST AGENDA NO. 04**

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

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA,

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

7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

**5. Building Stone Gitti, Boulder, Khanda Sand Stone mine at Araj No./Plot No./Gata No.- 649 Khand No.-01, at Village – Aswan, Bara, Prayagraj, M/s Khushi Enterprises. Area 2.717 ha. File No. 6485/Proposal No. SIA/UP/MIN/66358/2021**

**RESOLUTION AGAINST AGENDA NO-05**

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

**6. Building Stone (Sand Stone) mine at Gata No./Araj No.-141, Lease Area-2.02 ha (5.0 Acres) at Village- Chiraiya, Tehsil- Chunar, District- Mirzapur, M/s Sriram Infrastructure, Area -2.02 ha. File No. 4764/Proposal No. SIA/UP/MIN/35126/2019**

The committee noted that the matter was earlier discussed in 605<sup>th</sup> SEAC meeting dated 10/12/2021 and the project proponent did not appear in the meeting. The project proponent vide letter dated 06/7/2022 have requested to list the matter in next SEAC meeting and the case was listed in 681<sup>st</sup> SEAC meeting dated 05/09/2022.

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 building stone (Sandstone) mine at Gata No./Araj No. /Plot no. – 141, Village- Chiraiya, Tehsil- Chunar, District- Mirzapur, Uttar Pradesh, (Leased Area: 2.02 ha.), M/s Sriram Infrastructure.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 164/Parya/SEAC/4764/2019, dated 17/07/2019.
3. The public hearing was organized on On 13.08.2021 at 12:15 PM at primary school of Sonpur Tehsil – Chunar, District – Mirzapur, UP. Final EIA report submitted by the project proponent on 30/10/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/35126/2019
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2.	File No. allotted by SEIAA, UP	<b>4764</b>															
3.	Name of Proponent	<b>M/s Sriram Infrastructure</b> Arun Kumar Tripathi															
4.	Full correspondence address of proponent and mobile no.	Arun Kumar Tripathi (Partner) S/o Shri Kapil Muni Tripathi, R/o- Saraswati Nagar Colony, Opp. of TCI, Chandpur, Thana- Maduwadih, Sadar, District- Varanasi (U.P.) Mobile no. – E mail ID - atkb1985@gmail.com															
5.	Name of Project	Environmental clearance of proposed Building Stone (Sandstone) mine, at Gata No./Araji No. /Plot no. – 141 Lease Area: 2.02 ha. at Village- Chiraiya, Tehsil- Chunar, District- Mirzapur, Uttar Pradesh of M/s Sriram Infrastructure.															
6.	Project Location (Plot. Khasra/Gata No.)	141															
7.	Name of River	Ganga River – 15.00 Km (NW)															
8.	Name of Village	Chiraiya															
9.	Tehsil	Chunar															
10.	District	Mirzapur															
11.	Name of Minor Mineral	Building Stone (Sandstone)															
12.	Sanctioned Lease Area (in Ha.)	2.02 ha															
13.	Max. & Min mRL within lease area	Highest 117.20 mRL Lowest mRL 104.10 mRL															
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Point</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr> <td>A</td><td>25° 3.194'</td><td>83° 0.337'</td></tr> <tr> <td>B</td><td>25° 3.197'</td><td>83° 0.438'</td></tr> <tr> <td>C</td><td>25° 3.138'</td><td>83° 0.436'</td></tr> <tr> <td>D</td><td>25° 3.136'</td><td>83° 0.341'</td></tr> </tbody> </table>	Point	Latitude	Longitude	A	25° 3.194'	83° 0.337'	B	25° 3.197'	83° 0.438'	C	25° 3.138'	83° 0.436'	D	25° 3.136'	83° 0.341'
Point	Latitude	Longitude															
A	25° 3.194'	83° 0.337'															
B	25° 3.197'	83° 0.438'															
C	25° 3.138'	83° 0.436'															
D	25° 3.136'	83° 0.341'															
15.	Total Geological Reserves	9,75,115 m <sup>3</sup>															
16.	Total Mineable Reserve	3,42,420 m <sup>3</sup>															
17.	Total Proposed Production	1,01,000 m <sup>3</sup> (5 years)															
18.	Proposed Production /year (as per Lol)	20,200 m <sup>3</sup> /annum															
19.	Sanctioned Period of Mine lease	Plan period - 5 years															
20.	Production of mine/day	67 m <sup>3</sup> /day															
21.	Method of Mining	Opencast, /Semi-mechanized															
22.	No. of working days	300															
23.	Working hours/day	8															
24.	No. of worker	23															
25.	No. of vehicles movement/day	7															
26.	Type of Land	Govt./Non Forest Land															
27.	Depth of Mining	12.00 m															
28.	Nearest metalled road from site	0.90 km															
29.	Water Requirement	<b>PURPOSE</b> Drinking - 0.23 KLD Suppression of dust - 10.80 KLD Plantation - 02.00 KLD Others (if any) - 0.00 KLD <b>Total - 13.00 KLD</b>															
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/2124/RA 0224 Valid till –May 01, 2024															
31.	Any litigation pending against the project or land in any court	No															
32.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No – 414 dated - 14/05/2019															
33.	Details of Lease Area in approved DSR	Serial no. 33, Page no. 11															
34.	Project Cost	65.00 lacs															
35.	Proposed CER cost	1.30 lacs															

36.	Length and breadth of Haul Road	Length – 0.90 km, Breadth – 6.00 m
37.	No. of Trees to be Planted	2,000

5. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 02/09/2022 mentioning is as follows:

1. I, Dr. Surendra Vikram Ghavri S/o Sri Pratap Kumar am EIA Coordinator of Paramarsh Servicing Environment and Development.
2. I have prepared EIA/EMP report for the proposed building stone (Sandstone) mine at Gata No./Araji No. /Plot no. – 141, Village- Chiraiya, Tehsil- Chunar, District- Mirzapur, Uttar Pradesh, (Leased Area: 2.02 ha.), M/s Sriram Infrastructure with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal for Environmental Clearance. In case the project has been uploaded for the 2<sup>nd</sup> time that is only after the withdrawal of previous project has been accepted by SEIAA, U.P. on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

#### **RESOLUTION AGAINST AGENDA NO. 06**

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

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.

6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
  7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
  8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
  9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
  10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
  11. The project proponent should explore the possibilities of rainwater harvesting.
7. **“Ordinary Soil Excavation Project” at Gata No.– 563, 543Mi, 541Mi, 545, 546Mi, 560, 562, 548Mi, Village- Retikhurd Buzurg Tehsil- Raebareli, District- Raebareli. Shri Suresh Kumar. Area: 1.7046 Ha. File No. 6728/Proposal No. SIA/UP/MIN/240776/2021**

The committee noted that the matter was earlier discussed in 627<sup>th</sup> SEAC meeting dated 18/02/2022 and directed the project proponent to submit following information:

1. The proposed land is mortgaged in the bank and NOC from concerned bank should be submitted.
2. Site photographs of proposed lease area along with geo coordinates, date and time.
3. The notarized agreement/consent of competent authority/ landowner for haulage road from lease site to link road.
4. Plan for opting latest technology for water spraying (sprinklers) for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement along with photographs of the technology to be adopted.
5. 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.

The project proponent submitted their replies through online portal on 14/05/2022 and the case was listed in 663<sup>rd</sup> SEAC meeting dated 16/06/2022. A presentation was made by the project proponent along with their consultant M/s Earthvision India Associate Consultants. The committee discussed the matter and found that the proponent/consultant has not submitted the proper reply and required documents asked by the committee. The reply of the proponent/consultant is not satisfactory. So, the committee directed the Project proponent/consultant to submit the reply on above points along with complete plan/documents as required.

The project proponent submitted their replies through online portal on 06/07/2022 and the case was listed in 681<sup>st</sup> SEAC meeting dated 05/09/2022. A presentation was made by the project proponent along with their consultant M/s Earthvision India Associate Consultants. 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 are sought for “Ordinary Soil Excavation Project” at Gata No.– 563, 543Mi, 541Mi, 545, 546Mi, 560, 562, 548Mi, Village- Retikhurd Buzurg Tehsil- Raebareli, District- Raebareli, U.P., (Leased Area: 1.7046 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/240776/2021			
2.	File No. allotted by SEIAA,UP	6728			
3.	Name of Proponent	Shri Suresh Kumar S/o Shri Raja Ram			
4.	Registered Address	R/o- Village- Chak Chorhia, Tehsil- Lalganj District- Raebareli, Uttar Pradesh.			
5.	Full correspondence address of proponent and mobile no.	R/o- Village- Chak Chorhia, Tehsil- Lalganj District- Raebareli, Uttar Pradesh.			
		Mobile no.-			
		E-mail ID-			
6.	Name of Project	Ordinary Soil Mining Project			
7.	Project location Khasra No	Gata No563, 543Mi, 541Mi, 545, 546Mi, 560, 562, 548Mi			
8.	Name of Village	Retikhurd Buzurg			
9.	Tehsil	Raebareli			
10.	District	Raebareli, Uttar Pradesh			
11.	Name of Minor Mineral	Ordinary Soil			
12.	Sanctioned Lease Area (in Ha.)	1.7046 Ha.			
13.	Max. & Min mRL within lease area	The highest level is 107.0mRL The lowest level is 105.0 mRL			
14.	Pillar Coordinates (Verified by DMO)	<b>Gata No.</b>	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		562mi	A	26°12'31.87"N	81°12'35.82"E
			B	26°12'32.47"N	81°12'36.40"E
			C	26°12'31.25"N	81°12'38.00"E
			D	26°12'30.64"N	81°12'37.26"E
		563	A	26°12'31.27"N	81°12'38.07"E
			B	26°12'32.03"N	81°12'38.62"E
			C	26°12'31.54"N	81°12'39.18"E
			D	26°12'30.73"N	81°12'38.57"E
		560	A	26°12'29.60"N	81°12'38.49"E
			B	26°12'30.08"N	81°12'39.05"E
			C	26°12'29.43"N	81°12'39.50"E
			D	26°12'29.03"N	81°12'39.08"E
		546Mi	A	26°12'34.52"N	81°12'38.89"E
			B	26°12'35.28"N	81°12'39.36"E
			C	26°12'34.43"N	81°12'40.46"E
			D	26°12'33.70"N	81°12'39.81"E
		545	A	26°12'35.33"N	81°12'39.41"E
			B	26°12'36.04"N	81°12'39.88"E
			C	26°12'35.16"N	81°12'41.12"E
			D	26°12'34.41"N	81°12'40.48"E
		543Mi	A	26°12'33.43"N	81°12'41.15"E
			B	26°12'34.50"N	81°12'42.06"E
			C	26°12'33.88"N	81°12'42.81"E
			D	26°12'32.87"N	81°12'41.93"E
		541Mi	A	26°12'32.38"N	81°12'41.56"E
			B	26°12'32.84"N	81°12'41.95"E
			C	26°12'32.23"N	81°12'42.82"E
			D	26°12'31.87"N	81°12'42.43"E
		548Mi	A	26°12'29.88"N	81°12'40.79"E
			B	26°12'30.91"N	81°12'41.65"E
			C	26°12'30.40"N	81°12'42.53"E
D	26°12'29.02"N		81°12'41.59"E		
15.	Period of agreement between Project	3 Months			

	proponent & Land Owner				
16.	Mine Plan approval details		Letter No. 4408@[k0;ks0@2021 Dated 30-10-2021		
17.	Validity of Mine Plan		3 Months		
18.	Total Proposed Production		29924.33M <sup>3</sup>		
19.	Proposed Production/Day		332.49M <sup>3</sup>		
20.	Method of Mining		Opencast/ Semi Mechanized		
21.	No. of workers		20 Workers		
22.	Type of Land		Private Land		
23.	Ultimate Depth of Mining		2.25 m		
24.	Water Requirement	Source	Purpose	Details	Avg..Demand/Day
		Portable Tanker	Drinking & others @ 15 lpcd/ worker	20 workers x 15 lpcd	0.30 KLD
			Plantation @5 Lit/plant	30 sapling x 5	0.15 KLD
			Dust suppression @ 1 Lit/Sq.m	Houl Road Area= (268m Length x 6m Width)=1608 x 2 Time	3.216KLD
		Total			3.666 KLD
25.	Name of QCI Accredited Consultant with QCI No and period of validity		M/s Earthvision India Associate Consultants, QCI NABET/EIA/2124/IA 0077, Valid till 24.02.2024		
26.	Any litigation pending against the project or land in any court		No		
27.	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration		None		
28.	Details of 500 m Cluster certificate & Map Verified by Mining Officer		Letter No. 4413@[k00;DyLVj@2021 Dated 01-11-2021 (Attached as Annx-1)		
29.	Proposed CER cost		Rs. 35,400/-		
30.	Proposed EMP cost		Rs. 1,00,000/-		
31.	No. of Trees to be Planted.		30		
32.	Detail of CTE/CTO issued by UPPCB		NA		

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

The consultant (EIA Coordinator) also submitted an affidavit dated 03/09/2022 mentioning is as follows:

1. I, Brij Mohan Singh Negi S/o K.S. Negi am EIA Coordinator of Earthvision India Associate Consultants, Lucknow.
2. I have prepared EIA/EMP report for the proposal in name of Shri Suresh Kumar with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal for Environmental Clearance. In case the project has been uploaded for the 2<sup>nd</sup> time that is only after the withdrawal of previous project has been accepted by SEIAA, U.P. on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which will be submitted after acceptance of application.
7. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO. 07**

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to these minutes.

**8. Group Housing Project at Plot No.- 3 C, Sector- 12, Greater Noida, District-Gautam Budha Nagar, U.P., M/s Blessings Homz Pvt. Ltd. Shri Yogesh Goyal,R/o-A-6, Yojana Vihar, Delhi. File No. 6770/Proposal No. SIA/UP/MIS/273486/2022**

The committee noted that the matter was earlier discussed in 633<sup>rd</sup> SEAC meeting dated 16/06/2022 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 to this project for along with quantity, collection and proper disposal and location of OWC to be located in Layout plan
3. Plan for parking along with electric vehicle charging station location in the premises.
4. Revised plan for rain water harvesting, recharging and location in layout plan
5. Water balance flow diagram along with reuse in different process with specific to the project
6. The permission from the Airport Authority (NOC) .
7. 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.
8. 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.
9. Layout plan of project which indicates the location of STP, DG sets and Municipal solid waste site (Organic waste converter site).
10. 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.
11. 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.
12. Details of proposed STP with respect to the project to be submitted and present at the time of EIA presentation.

13. As per the discussion held during the meeting dated 16/06/2022, the Corporate Social Responsibility (CSR) plan with EMP to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

The project proponent submitted their replies through online portal on 08/07/2022 and the case was listed in 681<sup>st</sup> SEAC meeting dated 05/09/2022. A presentation was made by the project proponent along with their consultant M/ EQMS India 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 are sought for Group Housing Project at Plot No.- 3 C, Sector- 12, Greater Noida, District- Gautam Budha Nagar, U.P., M/s Blessings Homz Pvt. Ltd.
2. The total plot area of the project is 20,000 m<sup>2</sup> and built up area is 128057.96 m<sup>2</sup> respectively.
3. The proposed housing complex will comprise of Dwelling Units (2BHK, 3BHK and 4 BHK) in 7 Towers, community center and commercial block comprising of maximum B+S+24 Floors.
4. Area details of the project:

S. No.	Particulars	Unit	Details
<b>AREA DETAILS</b>			
1	Total Cost	Rs.	307 Crores
2	Plot Area	m <sup>2</sup>	20,000
3	Podium Area		11565.74
4	G.C (Permissible) – 35%	m <sup>2</sup>	7,000
5	Total G.C (Proposed) – 24.42%	m <sup>2</sup>	4883.34
6	F.A.R (Permissible) – 3.5	m <sup>2</sup>	70,000
	Additional FAR (IGBC: 5% of permissible FAR)- 0.175	m <sup>2</sup>	3,500
	Total Permissible FAR – 3.675	m <sup>2</sup>	73,500
	Permissible Commercial FAR (1% of 3.5 FAR)	m <sup>2</sup>	700
	Net Permissible Residential FAR	m <sup>2</sup>	72800
6	FAR proposed – 3.675	m <sup>2</sup>	73422.21
	Residential FAR	m <sup>2</sup>	72722.22
	Commercial FAR	m <sup>2</sup>	699.99
8	Permissible Ancillary Area (15% of 3.5 FAR)	m <sup>2</sup>	10500
9	Proposed Ancillary area	m <sup>2</sup>	10500
10	Total Non-FAR	m <sup>2</sup>	26,792.44
11	Basement Area	m <sup>2</sup>	17,343.31
12	Built-up Area (FAR+ NON-FAR+ Basement Area+ Ancillary area)	m <sup>2</sup>	1,28,057.96
13	Green Area	m <sup>2</sup>	6525.2 sq.m (4788.8 sq. m at stilt/podium i.e. 23.94% of the plot area and 1736.4 sq. m at ground level i.e. 8.68% of total plot area)
14	<b>DWELLING UNITS</b>		
	2 BHK	No.	47
	3BHK	No.	787
	4BHK	No.	96
	Total No. of Dwelling Units	No.	930
15	Total Population	No.	6564
16	<b>UTILITY &amp; OTHER</b>		
	Total Parking Requirement	ECS	918
	Total Parking Provision	ECS	977
	Total Demand Load	kW	1750 kW
	Total Connected Load	kW	3500 kW
	Power Backup (DG Sets)	kVA	1x400 kVA, 1x500 kVA and 1x750 kVA
<b>SERVICE DETAILS</b>			

17	Total Water Requirement	KLD	555
18	Freshwater Requirement	KLD	401
19	Treated Water Available	KLD	402
20	Total Wastewater Generation	KLD	447
21	Wastewater Treatment Scheme (STP Capacity)	KLD	465 KLD (FAB Technology)
22	Total Solid Waste	kg/day	3005
23	Total Biodegradable Waste	kg/day	1803
24	Total Non-Biodegradable Waste	kg/day	1202
25	No. of Rainwater Harvesting Pits	No.	5
26	Parking details	m <sup>2</sup>	Basement Parking= 1 ECS per 30 m <sup>2</sup> parking area= 538 ECS ECS on Podium= 1 ECS per 30 m <sup>2</sup> stilt parking area= 362 ECS ECS in Open= 1 ECS per 20 m <sup>2</sup> of surface parking area= 77 ECS Total parking Provision= 977 ECS

**5. Land use break-up:**

Particular	Area (Sq.m)	%
Ground Coverage	4883.34	24.42
Green Area at Ground	1736.40	8.68
Surface Parking Area	1516.80	7.58
Roads, Open and other area	11863.46	59.32
Total Plot Area (A)	20000.00	100.00

**6. Green area details:**

S. No.	Particulars	Details
1.	Total Green Area	6525.2 sq.m
2.	%age of total plot area	4788.8 sq. m at stilt/podium i.e. 23.94% of the plot area at stilt/podium and 1736.4 sq. m at ground level i.e. 8.68% of total plot area at ground level
3.	Total of No. of Trees to be cut	0
4.	Total No. of Trees required to be planted	Total Plot Area/80 = 250
5.	Total No. of Trees proposed to be planted	250
6.	Timeline for Completion of Plantation	1 years

**7. Water calculation details:**

S.No.	Particulars	Quantity	Factor	Total Water Requirement (In litres/Day)	Domestic Requirement (In litres/Day)	Flushing Requirement (In Litres/Day)	Wastewater (In litres/Day)
1	Residential						
	2 BHK	235	86	20210	15275	4935	
	3 BHK	4740	86	407640	308100	99540	
	4 BHK	672	86	57792	43680	14112	
	Staff	282	15	4230	1410	2820	
	Visitors	565	15	8475	2825	5650	
3	Stilt Shops	70	15	1050	350	700	
	Sub Total			499397	371640	127757	
	Waste Water				297312	127757	425069
4	Filter Backwash			20000			20000
5	Swimming Pool			10000			2000
6	Landscaping	6525.2 m <sup>2</sup>	4 Lt/sqm	26101			
	Total Water (litres)			555498	371640	127757	

	Total Water (KLD)			~555 KLD	~371 KLD	~128 KLD	
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**8. Solid waste generation details:**

Category of Waste	Quantity (kg/day)	Disposal	Applicable Rule
Biodegradable (@60% of waste generated)	1803 kg/day	In-house OWC	Solid Waste Management Rules, 2016
Non-Biodegradable (@40% of waste generated)	1202 kg/day	Given to Approved Recycler as per applicable Rule	Solid Waste Management Rules, 2016 Plastic Waste Management Rules, 2016 E-Waste (Handling & Management) Rules, 2016
Used Oil (Hazardous Waste)	12 lit/month	Given to Approved Recycler as per applicable Rule	Hazardous & Other Waste Management Amendment Rules, 2021

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

The consultant (EIA Coordinator) also submitted an affidavit dated 31/08/2022 mentioning is as follows:

1. I, Vivek Singh is EIA coordinator of EQMS India Pvt. Ltd.
2. I have prepared the Form-1, Form-1A, & Conceptual plan for the Group Housing Project at Plot No.- 3 C, Sector- 12, Greater Noida, District- Gautam Budha Nagar, U.P., M/s Blessings Homz Pvt. Ltd. with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information submitted along with Form-1, Form-1A, & Conceptual plan are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO-08**

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

**Additional Conditions:**

1. Project proponent is advised to explore the possibility and getting the cement in container rather through the plastic bag.
2. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
3. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
4. The project proponent shall comply the use of fuel for backup power as per guidelines by "Commission of Air Quality Management in NCR", directions of courts and CPCB shall be

strictly adhered regarding DG sets (cleaner fuel as PNG/CNG/permissible fuel in NCR). The project proponent shall follow the orders/guidelines issued by Hon'ble Court(s)/Competent authorities from time to time.

5. The proponent should provide the electric vehicle charging points and also allocate the safe and suitable place in the premises for the same.

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

1. Statutory compliance:
  1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
  2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
  3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
  4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
  6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
  7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
  8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
  9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
  10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
  1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
  5. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
  6. Wet jet shall be provided for grinding and stone cutting.
  7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
  8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction

waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
  1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
  4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
  6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
  8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
  11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
  12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
  13. All recharge should be limited to shallow aquifer.
  14. No ground water shall be used during construction phase of the project.
  15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.



16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
  1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
  3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
5. Energy Conservation measures:
  1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  2. Outdoor and common area lighting shall be LED.
  3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
  4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
  6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential

buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management :

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

7. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points.
  - d. Parking norms as per local regulation.

2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
  3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
  2. For indoor air quality the ventilation provisions as per National Building Code of India.
  3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  5. Occupational health surveillance of the workers shall be done on a regular basis.
  6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:
1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
  2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**9. Expansion of Mahamana Pandit Madan Mohan Malaviya Cancer Centre at Sunderbagiya, Banaras Hindu University Campus, District- Varanasi, U.P., M/s Tata Memorial Centre, Mumbai. File No. 5666/Proposal No. SIA/UP/MIS/153762/2020**

The committee noted that the matter was earlier discussed in 466<sup>th</sup> SEAC meeting dated 02/06/2020 and directed the project proponent to submit following information:

1. Out of 04 compliance report till date not a single compliance report has been submitted by the project proponent/consultant. However, the authority may take necessary action.
2. There is no data to substantiate to show no change in the ambient air quality.
3. The data of the report of ambient air analysis is of before the data of sampling and the report is without NABL logo.
4. One day monitoring data has been provided which is not as per the CPCB norms.
5. EMP and environment budget should be provided.

6. Status of flora and fauna of the site should be given.
7. Only online form has been submitted. Hard copy along with the supporting documents is not in the file of Directorate of Environment.

The project proponent submitted their replies through online portal on 02/04/2022 & 09/07/2022 and the case were listed in 681<sup>st</sup> SEAC meeting dated 05/09/2022. A presentation was made by the project proponent along with their consultant M/s Mantras Green Resources 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 are sought for Expansion of Mahamana Pandit Madan Mohan Malaviya Cancer Centre at plot no. 12-20, 23-28, 33 & 857, Sunderbagiya, Banaras Hindu University Campus, District- Varanasi, U.P., M/s Tata Memorial Centre, Mumbai.
2. Certified compliance report for the existing environment clearance was issued by IRO, MoEFCC, Lucknow vide letter no. VII/Env/SCL-UP/1920/2020/302, dated 07/10/2021.
3. The Environmental Clearance for the existing unit was issued by SEIAA, U.P. vide letter no. 155/Parya/SEAC/4022/2017, dated 09/02/2018 for the plot area 42,273.46 m<sup>2</sup> and built up area 58,320.05 m<sup>2</sup> respectively.
4. Comparative details of existing and expansion project:

SN	Particulars	Existing	Expansion
1	Total plot area	42,273.46 sq.mt	42,273.46 sq.mt
2	Built up area	58,320.05 sq.mt	37277.95 sq.mt
3	Landscape Area	6341.01sq.mt	6341.01sq.mt
4	Construction Works	Existing Building Details: Hospital Building: IP: B+G+7 Hospital Block: Divided in two parts a)DNT : B+G+5 b)RT: G+4, Registration Pavilion: Gr.Flr. Doctor's Hostel: 2B+G+8 Nurse Hostel: 2B+G+8 Under Construction Dharamshala: 2B+G+8	Proposed Building Details Time Office: G+2 Multipurpose Hall Auditorium Block: G+4
5.	Population	Doctors Hostel: 175Nos. Nurse Hostel: 227 Nos. Dharmashala: 344 Nos. HospitalBldg.:3686 Total:4432 Nos	Doctors Hostel: 175Nos. Nurse Hostel: 227 Nos. Dharmashala: 344 Nos. HospitalBldg.:3686 Total:4432 Nos
6.	Project Cost	230.2 Crores	510 Crores
7	Parking Statement	Required Parking: (58320.05 x 1.25) / 100 =729.00 Nos. Available Parking in Basement (Dr.Nurse Hostel & Dharmashala): 542.00 Nos. Available Parking in Open Space: 191.00 Nos. Total Available Parking: 733.00 Nos.	No Change
8.	Power Requirement	Details	Proposed Total(KW)
		Dharamshala, Nurse Hostel & Doctor's hostel	Dharamshala, Nurse Hostel & Doctor's hostel
		Connected load	1529.00 kW
		Maximum demand	1126.00 kW
		Hospital Block	Hospital Block
		Connected load	8073.00 kW
		Maximum demand	5192.00 Kw
			Maximum
			2970.00 Kw

		D.G sets (In case of power failure)	4 nos. of DG Set of capacity 1500kVA and 2 no. of 500 kVA capacity	demand D.G sets (In case of power failure)	4 nos. of DG Set of capacity 1500kVA and 1 no. of 500 kVA capacity
9	Water Requirement	Use	Quantity KLD	Source	No Change
		During Non-Monsoon Season			
		Domestic	259.00	Bore well	
		Flushing	103.00	STP Treated water	
		Gardening	26.00	STP Treated water	
		HVAC	160.00	Partly from STP Treated water and partly from Bore well	
10	Solid Waste Management	The total quantity of solid waste is expected to be 1943.00 Kg/day. Out of which 371.00 Kg/day will be non-biodegradable & 1572.00 Kg/day will be biodegradable garbage.			No Change
11	Bio Medical Waste	314kg/day			No Change

**5. Area details:**

S. N.	Description	Total
1	Total plot area	42,273.46 sq.mt
2	Total Built Up area Existing Constructed Built up area Proposed buildup area	95598 sq.mt 58320.05 sq.mt 37277.95 sq.mt
3	Green Area	6341.01sq.mt
4	Parking Statement	Required Parking: (58320.05 x 1.25) / 100 =729.00 Nos. Available Parking in Basement (Dr.Nurse Hostel & Dharmashala): 542.00 Nos. Available Parking in Open Space: 191.00 Nos. Total Available Parking: 733.00 Nos.
5	Population	Doctors Hostel: 175Nos. Nurse Hostel: 227 Nos. Dharmashala: 344 Nos. HospitalBldg.:3686 Total:4432 Nos.
7	Existing Building Details	Hospital Building: IP: B+G+7 Hospital Block: Divided in two parts a) DNT : B+G+5 b) RT: G+4, Registration Pavilion: G+1 Doctor's Hostel: 2B+G+8 Nurse Hostel: 2B+G+8 Under Construction Dharamshala: 2B+G+8
8	Proposed Building Details	Time Office: G+2 Multipurpose Hall Auditorium Block: G+4

**6. Water requirement details:**

Use	Quantity KLD	Source
During Non-Monsoon Season		
Domestic	259.00	Bore well
Flushing	103.00	STP Treated water
Gardening	26.00	STP Treated water
HVAC	160.00	Partly from STP Treated water and partly from Bore well

7. Waste water details:

Particulars	Description
Quantity of wastewater generated	308.00 KLD
Treatment and Reuse	Treatment in STP and reuse of treated sewage After recycling treated sewage for gardening (26.00KLD), flushing (103.00 KLD). Excess treated water will be partially disposed in existing sewer line or will be dried off on site through evaporation tanks on site. The dried sludge will be used as manure.
Plumbing of Building	Dual Plumbing system is provided

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

The consultant (EIA Coordinator) also submitted an affidavit dated 02/06/2022 mentioning is as follows:

1. I, Abha Garg, EIA Coordinator of Mantras Green Resources Ltd. .
2. I have prepared Form-1, Form-1A, Conceptual Plan and EMP report for the Proposal (SIA/UP/MIS/153762/2020), project name : Expansion of Mahamana Pandit Madan Mohan Malaviya Cancer Centre at plot no. 12-20, 23-28, 33 & 857, Sunderbagiya, Banaras Hindu University Campus, District- Varanasi, U.P., M/s Tata Memorial Centre, Mumbai with my team.
3. I have personally visited the site of proposal for expansion and certify that no construction activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for Form-1, Form-1A, Conceptual Plan and EMP and all relevant documents, project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal for expansion of project.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation submitted.

**RESOLUTION AGAINST AGENDA NO-09**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal for expansion of Mahamana Pandit Madan Mohan Malviya Cancer Center as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:**

**Additional Conditions:**

1. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
2. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
3. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
4. Oxygen generation plant of adequate capacity must be installed in the hospital premises.
5. Police post shall be provided near emergencies.
6. Dedicated power supply to be installed in operation theaters and other critical areas should be ensured.
7. Accommodation for attendants to be provided near indoor nursing wards.
8. Bio medical waste management shall be followed as per The Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste for more than 24 hours.

9. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
10. Sewage/other effluents from infectious diseases ward and pathology/laboratory should be treated/disinfected separately prior to ETP.
11. CER should include the purchase of an ambulance and it should be the part of EMP.
12. Parking space for ambulances shall be exclusively earmarked.
13. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from project will be sent to dumping site.
14. The project proponents would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coliforms and other pathogenic bacteria.
15. The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
16. Laboratory wastes shall be managed in accordance to the BMW Rules, 2016 and the atomic Energy Commission regulations as applicable.
17. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
18. The project proponent should develop 03 tier plantations to all around the boundary of project.

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

1. Statutory compliance:
  1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
  2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
  3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
  4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
  6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
  7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
  8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
  9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
  10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:



1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
5. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
6. Wet jet shall be provided for grinding and stone cutting.
7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
  1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
  4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
  6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.

8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the a approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
  1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
  3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation measures:
  1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  2. Outdoor and common area lighting shall be LED.
  3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
  4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
  6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
6. Waste Management :
  1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
  2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
  4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
  5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
  6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
  7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
  8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
  9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
  10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
7. Green Cover:
  1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).

2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
8. Transport:
  1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
    - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
    - b. Traffic calming measures.
    - c. Proper design of entry and exit points.
    - d. Parking norms as per local regulation.
  2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
  3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
  1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
  2. For indoor air quality the ventilation provisions as per National Building Code of India.
  3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  5. Occupational health surveillance of the workers shall be done on a regular basis.
  6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
  1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined

system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble

Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**10. Building Stone (Khanda, Gitti& Boulder) Mining" Project at Khasra No.-115, Khand No.-04, Village-Habupura, Tehsil-Garautha, District-Jhansi, Smt. Aneeta Gupta. Area -2.023 ha. File No. 6446/Proposal No. SIA/UP/MIN/65174/2021**

The committee noted that the matter was earlier discussed in 576<sup>th</sup> SEAC meeting dated 04/10/2021 and directed the project proponent to submit following information:

1. In mining plan approval letter conditions mentioned in sand mining proposal instead of stone mining, it should be revised and submitted.
2. Source of drinking water along with MoU between project proponent and water supplier.
3. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with Forest Department should be submitted.
4. Plan for mobile toilet and safe disposal of municipal solid waste.

The project proponent submitted their replies through online portal on 19/07/2022 and the case was listed in 681<sup>st</sup> SEAC meeting dated 05/09/2022. A presentation was made by the project proponent along with their consultant M/s Earthvision India Associate Consultants. 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 are sought for Building Stone (Khanda, Gitti& Boulder )Mining" Project at Khasra No.-115, Khand No.-04, Village- Habupura, Tehsil- Garautha, District-Jhansi, U.P., (Leased Area -2.023 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/65174/2021																		
2.	File No.allotted by SEIAA,UP	6446																		
3.	Name of Proponent	M/S Sushil Stone Industry Smt. Aneeta Gupta (Prop.) W/O Shri Sushil Kumar Gupta																		
4.	Registered Address	R/O-A.M. 2/14, Veerangana Nagar, M.L.B. Medical College, Tehsil & District-Jhansi (U.P).																		
5.	Full correspondence address of proponent and mobile no.	R/O-A.M. 2/14, Veerangana Nagar, M.L.B. Medical College, Tehsil & District-Jhansi (U.P). Mobile No.- 9415102339																		
6.	Name of Project	Khanda Gitti Boulder (Building Stone) mining																		
7.	Project Location (Plot.Khasra/Gata No.)	Gata No. 115 Khand no 04																		
8.	Name of Village	Village-Habupura																		
9.	Tehsil	Garautha,																		
10.	District	Jhansi																		
11.	State	Uttar Pradesh																		
12.	Name of Minor Mineral	Khanda Gitti Boulder (Building Stone) mining																		
13.	Sanctioned Lease Area (in Ha.)	2.023 Hectares																		
14.	Max. & Min mRL within lease area	Highest mRL is 201.1mRL& Lowest is 187.2mRL																		
15.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillar No.</th><th>N</th><th>E</th></tr> </thead> <tbody> <tr> <td>A</td><td>25°35'12.16"N</td><td>79°13'36.38"E</td></tr> <tr> <td>B</td><td>25°35'7.85"N</td><td>79°13'34.03"E</td></tr> <tr> <td>C</td><td>25°35'6.02"N</td><td>79°13'31.05"E</td></tr> <tr> <td>D</td><td>25°35'3.77"N</td><td>79°13'33.07"E</td></tr> <tr> <td>E</td><td>25°35'10.00"N</td><td>79°13'39.54"E</td></tr> </tbody> </table>	Pillar No.	N	E	A	25°35'12.16"N	79°13'36.38"E	B	25°35'7.85"N	79°13'34.03"E	C	25°35'6.02"N	79°13'31.05"E	D	25°35'3.77"N	79°13'33.07"E	E	25°35'10.00"N	79°13'39.54"E
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D	25°35'3.77"N	79°13'33.07"E																		
E	25°35'10.00"N	79°13'39.54"E																		

16.	Mine Plan approval details	Letter No.- 2021/6/15/80381 Dated- 20/01/2022		
17.	Validity of Mine Plan	5 Years		
18.	Total geological reserves	341348 cubic meter		
19.	Total mineable reserves	304524 cubic meter		
20.	Total Proposed Production (In 5 Years)	303450 cubic meter		
21.	Total Proposed Production/Year	60690Cum/Year (as per LOI).		
22.	Sanctioned Period of Mine lease	20 year		
23.	Method of Mining	Opencast, Semi mechanized Method		
24.	No. of working days	240		
25.	Working hours/day	8		
26.	No. of workers	45 Workers		
27.	Type of Land	State govt.land		
28.	Ultimate Depth of Mining	24m .		
29.	Water Requirement		Purpose	Detail
		Portable Tanker	Drinking@15 lpcd/worker	45 workers x 15 lpcd = 675 lpcd
			Mine operation/others	-
			Land reclamation / plantation @2 Lit/Tree	50Trees x 5 lpcd = 250 lpcd
			Dust suppression @2Lit/Sq.m (Twice in a day)	Haul Road Area = (100 m Length x 6m Width = 600 m <sup>2</sup> ) x2lpcd/Sq.m = 1200 lpcd
		Total		4.125 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s Earthvision India Associate Consultant, NABET/EIA/2124/IA 0077 Valid till 24-02-2024		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 219/30MMC/(2021-2022), Dated 10-06-2021		
33.	Proposed Project cost	Rs 84.10 Lakhs		
34.	Proposed CER cost	Rs 4.205 Lakhs		
35.	Proposed EMP cost	Rs 9.35 Lakhs		
36.	No. of Trees to be Planted.	500/year		
37.	Detail of CTE/CTO issued by UPPCB	NA		

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in an eco-fragile zone such as the habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 03/09/2022

mentioning is as follows:

1. I, Brij Mohan Singh Negi S/o K.S. Negi am EIA Coordinator of Earthvision India Associate Consultants, Lucknow.
2. I have prepared EIA/EMP report for the proposal in name of M/s Sushil Stone Industry with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal for Environmental Clearance. In case the project has been uploaded for the 2<sup>nd</sup> time that is only after the withdrawal of previous project has been accepted by SEIAA, U.P. on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which will be submitted after acceptance of application.
7. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

**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-3 to the minutes. The committee also stipulated following additional TOR Points:**

**Additional TOR:**

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in form of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. 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 at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
10. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.



**11. MoEF&CC letter No. VII/Env/SCL-UP/841/125 Dated 05-07-2022 regarding monitoring of project Group Housing Project “MRJV Palm Resort” at Khasra No. 1042, 1045, 1046, 1047,1097, 1068, NH-58, Noornagar, Ghaziabad, U.P. M/s MRJV Construction Company” File no.-1680.**

The committee noted that the matter was discussed in 631<sup>st</sup> SEIAA meeting dated 19/07/2022 and directed is as follows:

*“SEIAA gone through the CCR of the above project submitted by Deputy Director, IRO, MoEFCC Lucknow. SEIAA opined that the CCR be send to SEAC-2 (file no. 1680) and MS, UPPCB for necessary action.”*

As per the direction of SEIAA, the matter was listed in 681<sup>st</sup> SEAC meeting dated 05/09/2022. The committee went through the file and documents and it was found that the above MoEFCC letter No. VII/Env/SCL-UP/841/125, dated 05/07/2022 is not available in the record file. SEIAA may request to provide the aforesaid letter for the necessary action from the SEAC level.

**12. Building stone (Sandstone) mine at Araj/Gata No.-432, Village– Devri kalan, Tehsil Madihan, Mirzapur, Tribhuwan Nath, Area- 1.680 ha. Shri Tribhuwan Nath. Area- 1.680 ha. File No. 7134/Proposal No. SIA/UP/MIN/276596/2022**

The Secretariat informed the committee that the environmental clearance on the above project proposal has already been issued by SEIAA, U.P. Hence, no action is required at SEAC level.

**(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

**(Ashish Tiwari)**  
Member-Secretary, SEAC-2

**Nodal, SEAC-2**

MoM prepared by Secretariat in consultation with  
Chairman & Members on the basis of decisions  
taken by SEAC-2 during the meeting.

**Annexure-1**

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

**A. General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 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 1<sup>st</sup> December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

**B. Specific Conditions:**

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

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

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

- be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
  39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
  40. Project Proponent shall explore the possibility of using solar energy where ever possible.
  41. Commitment towards CER has to be followed strictly.
  42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
  43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
  44. The blasting will be done only after getting permission from the Mining Department.

**Annexure-2**

**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. The Environmental clearance will be co-terminus with the agreement/mining plan whichever is less.
2. Environment management should be in accordance with the present environment status of the project.
3. Approach kaccha 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.



**Annexure-3**

**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.