

### **Minutes of 532<sup>nd</sup> SEAC Meeting Dated 15/03/2021**

The 532<sup>nd</sup> meeting of SEAC was held in Directorate of Environment, U.P. on 15/03/2021. Following members were present in the SEAC meeting:

- |    |                           |          |
|----|---------------------------|----------|
| 1. | Dr. S.N. Singh,           | Chairman |
| 2. | Dr. Sarita Sinha,         | Member   |
| 3. | Dr. Virendra Misra,       | Member   |
| 4. | Dr. Pramod Kumar Mishra,  | Member   |
| 5. | Dr. Ranjeet Kumar Dalela, | Member   |
| 6. | Dr. Ajoy Kumar Mandal,    | Member   |
| 7. | Shri Meraj Uddin,         | Member   |
| 8. | Shri Rajive Kumar,        | Member   |

The Chairman welcomed the members to the 532<sup>nd</sup> SEAC meeting which was conducted online. The SEAC unanimously took following decisions on the agenda points discussed:

1. **Assembling of Led Lights & Components at Plot No.- 10, Sector-156, Noida., Shri Hardeep Singh, CEO, M/s Ikio Solution Pvt. Ltd. File No. 6190/Proposal No. SIA/UP/MIS/197982/2021**

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

The committee observed that the project proponent did not appear and also has not submitted the hard copy of the proposal and other relevant documents of the project. Hence, the committee decided to defer the matter. The matter shall be discussed after submission of online information on prescribed portal.

2. **Up gradation of existing district /Referral Hospital from 266 to 500 bedded Hospital at Kushinagar, U.P., M/s Chief Medical Superintending, Kushinagar, U.P. File No. 6194/Proposal No. SIA/UP/MIS/198161/2021**

A presentation was made by project proponent along with their consultant M/s Chandigarh Pollution Testing Laboratory –EIA Division. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The Environment clearance is sought for Up-gradation of existing district /Referral Hospital from 266 to 500 bedded Hospital at Kushinagar, U.P., M/s Chief Medical Superintending, Kushinagar, U.P.
2. Salient features of the project:

| S. No. | Particulars   | Details   |
|--------|---------------|---|
|        | Plot area     | 25719 sqm   |
| 2.     | Built-up area | Proposed Built up Area: 26020.14 sqm (62%) +<br>Existing built up area is 15390.81 sqm (38%)<br>Total built up area is 41410.95 sqm |

|        |                                 |  |
|--------|---------------------------------|--|
| 3.     | Ground Coverage                 | 7715.68 sqm (30%)  |
| 4.     | Parking area                    | 2806 sqm; Total No. of ECS Provided: 122 E.C.S   |
| 5.     | Green area                      | 9191 sqm (35%)   |
| 6.     | Road area                       | 9499 sqm   |
| 7.     | Total water requirement         | ~325 KLD<br>Fresh water: 179 KLD<br>Recycle Water: 146 KLD   |
| 8.     | Wastewater Generation           | 238 KLD  |
| 9.     | STP/ ETP capacity               | ETP ~30 KLD<br>STP - ~257 KLD  |
| 10.    | Rain Water Harvesting Potential | 173 m <sup>3</sup> (in 15 min): 691.76 / 4 = 173 m <sup>3</sup><br>RWH Pits: 5 (Volume of Pit= 35 m <sup>3</sup> ) |
| 11.    | Solid Waste Generation          | 430 Kg/day   |
| 12.    | Quantity of Bio-Medical Waste   | 550 Kg/Day   |
| S. No. | Particulars                     | Details  |
| 13.    | Power requirement               | 2000 KVA   |
| 14.    | Power back up                   | Total No. of DG set is 4,<br>Existing: 62 KVA & 50 KVA<br>Proposed: 2 x 320 KVA.                                   |
| 15.    | Connectivity                    | Padrauna Railway Station: 4.60 KM  |
| 16.    | Environmental Sensitivity       | Canal -3.94 km NNE.<br>Bansi River at 7.94 Km NE.  |
| 17.    | Geo Coordinates                 |  |
| 19.    | Total cost of the project       | ~ Cr 320.2062 Crores   |

**2. Comparative details of existing and expansion proposal:**

| Sl. No. | Description                        | Existing           | Proposed           | Total<br>(Required<br>expansion)<br>after |
|---------|------------------------------------|--------------------|--------------------|---|
| 1.      | Built-up Area                      | 15390.81 Sqm (38%) | 26020.14 Sqm (62%) | 41410.95 Sqm                              |
| 2.      | Hospital                           | 266 Beds           | 234 Beds           | 500 Beds                                  |
| 3.      | Fresh water (KLD)                  | 82                 | 97                 | 179                                       |
| 4.      | Flushing (KLD)                     | 43                 | 52                 | 95  |
| 5.      | Total water (KLD)                  | 125                | 149                | 274                                       |
| 6.      | Total waste water (KLD)            | 109                | 129                | 238                                       |
| 7.      | Proposed ETP (KLD)                 |                    |                    | 30  |
| 8.      | Proposed STP (KLD)                 |                    |                    | 257                                       |
| 9.      | Solid waste (Kg/day)               | 293                | 257                | 550                                       |
| 10.     | Bio Medical waste per Bed (Kg/day) | 266                | 234                | 500                                       |
| 11.     | OPD BMW Waste (Kg/day)             | 26.6               | 23.4 Kg/day        | 50 Kg/day                                 |
| 12.     | Plantation                         | 112 Nos.           | 321 Nos.           | 433 Nos.                                  |
| 13.     | Power Requirement KVA              | 100                | 2000               | 2000                                      |
| 14.     | Parking                            | 35 Nos.            | 87 Nos.            | 122 Nos.                                  |

**3. Water requirement details of proposed project:**

|                        | No of person | Domestic/ fresh water (LPD) | Flushing water (LPD) | Total water (LPD) | Total Wastewater (LPD) |
|------------------------|--------------|-----------------------------|----------------------|-------------------|------------------------|
| No of Bed              | 234          | 70200                       | 35100                | 105300            | 91260                  |
| OPD                    | 800          | 4000                        | 10000                | 14000             | 13200                  |
| Staffs                 | 50           | 2500                        | 2000                 | 4500              | 4000                   |
| Resident Doctor @ 62 + | 111          | 9990                        | 4995                 | 14985             | 12987                  |

|  |                                  |   |       |        |           |
|--|----------------------------------|---|-------|--------|-----------|
| Nurse Hostel @ 49                            |                                  |   |       |        |           |
| Canteen & Kitchen                            | ...                              | 10000   |       | 10000  | 8000      |
| Subtotal-I                                   |                                  | 96690   | 52095 | 148785 | 129447    |
| ETP/STP requirement                          |                                  |   |       |        |           |
| Effluent generation @10% of total wastewater | 13 KLD                           | Capacity of ETP (20% higher than total Effluent generation) |       |        | 17 KLD    |
| Sewage generation @90% of total wastewater   | 117 KLD                          | Capacity of STP (20% higher than total Sewage generation)   |       |        | 140.4 KLD |
| Total capacity of treatment plant            |                                  |   |       |        | 157 KLD   |
| Total treated water generation               | 103 KLD (@80% total wastewater ) |   |       |        |           |

**4. Waste generation details:**

| Solid waste generation during Operational Phase |      |                                |                                 |
|---|------|--------------------------------|---------------------------------|
| Particulars                                     | No   | Kg per capita waste generation | Total waste generation (kg/day) |
| Patient's attendant                             | 400  | 0.5                            | 200                             |
| Staff   | 100  | 0.25                           | 25                              |
| Hostels   | 111  | 0.5                            | 55                              |
| Visitor + OPD + Hospital Beds                   | 1000 | 0.15                           | 150                             |
| Landscape waste (9191sqmt/2.27 acre)            |      | 0.2kg/acre                     | 0.454                           |
| Total solid waste generated (Kg/day)            |      |                                | 430.454                         |
| Non-bio degradable @ 40% of solid waste         |      |                                | 172.18                          |
| Bio-degradable @ 60% of solid waste             |      |                                | 258.27                          |
| E-Waste   |      |                                | 5                               |
| Hazardous waste                                 |      |                                | 8                               |

**5. Bio medical waste details:**

|                              |     |   |     |
|------------------------------|-----|---|-----|
| Bio medical waste generation | 500 | 1 | 500 |
| OPD BMW                      |     |   | 50  |

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

**RESOLUTION AGAINST AGENDA NO-02**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposals alongwith general conditions as earlier prescribed by authority for construction project and following specific conditions:**

1. Emergency exit should be provided.
2. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
3. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and industrial effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
4. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
5. Parking space for ambulances shall be exclusively earmarked.
6. Police post shall be provided near emergency.
7. Dedicated power supply to be installed in Operation Theaters and other critical areas
8. Accommodation for attendants to be provided near indoor nursing wards.
9. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey

number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.

10. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
11. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
12. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings.
13. 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, creche and First Aid Room etc.
14. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
15. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
16. 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 more than 24 hours.
17. 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.
18. Sewage/other effluents from infectious diseases ward and pathology/laboratory should be treated/disinfected separately prior to ETP.
19. A 2% of the total project cost Corporate Environmental Responsibility (CER) plan along with budgetary provision shall be prepared phase wise and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted alongwith photographs. No parking shall be allowed outside the project boundary.
20. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
21. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
22. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
23. Disposal of muck during construction phase should 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.
24. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
25. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.

**3. Cement (Clinker) Grinding Unit Capacity 1100 TPD at Khasra No.- 357, Village- Kodra, Post- Purani Basti, District- Basti, U.P. M/s Bala Ji Industry. File No. 6195/Proposal No. SIA/UP/IND/60660/2021**

A presentation was made by project proponent along with their consultant M/s Environmental and Technical Research Centre.. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The Environment clearance is sought for Cement (Clinker) Grinding Unit Capacity 1100 TPD at Khasra No.- 357, Village- Kodra, Post- Purani Basti, District- Basti, U.P., M/s Bala Ji Industry.
2. Salient features of the project:

| Sr. No. | Attributes                           | Details  |
|---------|--------------------------------------|--|
| 1.      | Name of the project                  | M/s Bala Ji Industry   |
| 2.      | Location of the project              | Khasra No : 357 Village Kodra, Post- Purani Basti, District Basti U.P.   |
| 3.      | Total project area                   | Proposed Land : 5260.22 sr mt  |
| 4.      | Proposed capacity of Plant           | Clinker Grinding Unit Capacity : 1100 TPD Portland Pozzolana Cement (PPC)  |
| 5.      | Number of Working Days               | 365 Days/ annum  |
| 6.      | Total project cost                   | Cost for the proposed project has been estimated to be about Rupees 410 Lakh.  |
| 7.      | Process Involve                      | The production detail is simple and well established. Clinker, Fly ash and Gypsum are mixed in the prescribed/required ratio using weigh feeders and taken to Grinding mill through Hopper and discharge shut where from it goes to Cement silo and is then taken to packing machine for automatic filling of cement Bags. |
| 8.      | Category of Project                  | It is a Category "B" project, Schedule 3(b)<br>This is a standalone cement grinding unit.  |
| 9.      | Raw material and its Quantity        | Raw Material   |
|         |                                      | Clinker  |
|         |                                      | Fly Ash  |
|         |                                      | Gypsum   |
|         |                                      | Total  |
| 10.     | Power Requirement                    | 2.0 MW, Power requirement during the construction and operation phase will be taken from Uttar Pradesh Electricity Board. For backup DG sets will be provided.   |
| 11.     | Water requirement                    | 4.0 KLD  |
| 12.     | Waste water generation and Treatment | No waste water generation in the process. Plant will be based on Zero Liquid Discharge Based.  |
| 14.     | Waste water discharge                | ZERO   |
| 15.     | Fuel quality & quantity              | Diesel will be used as fuel for DG set-500 KVA.<br>Diesel Approx.: 100 Liters / Hr.<br>DG set will be used for power backup only.  |
| 16.     | Air pollution control device         | Bag Filter will be installed in proposed new cement grinding mill. Total approx.: 6 Nos Bag filters will be installed at different stages along with bag, to reduce the Dust emission for the process.<br>(Emission from the new plant will be less than 30 mg/Nm <sup>3</sup> )   |
| 17.     | Solid waste generation and Disposal  | No solid waste will be generating from the process. The dust collected in Bag filters will be 100 % recycle to the process.  |
| 18.     | Other Industrial Waste               | Very negligible in the form of used oil and lubricants. Most of it is recycled; the balance is discarded as prescribed by the law. The same shall be sold to vendors authorised by MoEF/Uttar Pradesh Pollution Control Board for recycling and reusing.<br>No other industrial waste generation.                          |

|     |   |   |
|-----|---|---|
| 19. | Green belt development  | 33 % of total area  |
| 20. | Cost towards Environmental protection measures (Capital cost) | Rs. 80 Lakhs  |
| 21. | Recurring cost towards Environmental control measures.        | Approx. 10 Lakhs per annum  |
| 22. | Man Power Requirement   | Total number of persons required will be 100 out of which, 30 persons shall be on contract basis. |

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

### **RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter and recommended to issue terms of reference (TOR) for the preparation of Environment Impact Assessment Report (EIA) regarding the project:**

- 1) Wind rose diagram, location of monitoring station and period of monitoring should be provided.
- 2) Executive Summary.
- 3) Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project
- 4) Project Description
  - i. Cost of project and time of completion.
  - ii. Products with capacities for the proposed project.
  - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
  - iv. List of raw materials required and their source along with mode of transportation.
  - v. Other chemicals and materials required with quantities and storage capacities
  - vi. Details of Emission, effluents, hazardous waste generation and their management.
  - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
  - viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
  - ix. Hazard identification and details of proposed safety systems.
  - x. Expansion/modernization proposals:
    - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
    - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 06 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

- 5) Site Details
- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
  - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
  - iii. Details w.r.t. option analysis for selection of site
  - iv. Co-ordinates (lat-long) of all four corners of the site.
  - v. Google map-Earth downloaded of the project site.
  - vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
  - vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
  - viii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
  - ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
  - x. Geological features and Geo-hydrological status of the study area shall be included.
  - xi. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
  - xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
  - xiii. R&R details in respect of land in line with state Government policy
- 6) 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
- 7) Environmental Status:
- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
  - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, 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.
- 8) Impact and Environment Management Plan
- i. Assessment of ground level concentration of pollutants from the stack emission based on site- specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
  - ii. Water Quality modeling - in case of discharge in water body
  - iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
  - iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
  - v. Details of stack emission and action plan for control of emissions to meet standards.
  - vi. Measures for fugitive emission control
  - vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
  - viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
  - ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
  - x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for



- the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
  - xii. Action plan for post-project environmental monitoring shall be submitted.
  - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 9) Occupational health:
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
  - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, color vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
  - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
  - iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
- 10) 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
- 11) 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.
- 12) Corporate Environmental Responsibility (CER):
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
  - ii. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
  - iii. A tabular chart with index for point wise compliance of above TOR.
- 13) Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
- 14) Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
- 15) For large Cement Units, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
- 16) Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
- 17) If the raw materials used have trace elements, an environment management plan shall also be included.

- 18) Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
- 19) Energy consumption per ton of clinker and cement grinding
- 20) Provision of waste heat recovery boiler
- 21) Arrangement for use of hazardous waste

**4. Up gradation & Expansion of Existing District Hospital at Village –Kadipur, Tehsil – Manjhanpur, District-Kaushambi. Dr, Dipak Seth, CMS, Govt. District Hospital Kaushambi. File No. 6197/Proposal No. SIA/UP/MIS/198357/2021**

A presentation was made by project proponent along with their consultant M/s Atmos Sustainable Solutions Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The Environment clearance is sought for Up-gradation& Expansion of Existing District Hospital at Village –Kadipur, Tehsil –Manjhanpur, District-Kaushambi, U.P. M/s Department of Medical And Health, Uttar Pradesh.
2. Salient features of the project:

| S.NO. | PARTICULARS   | PROPOSED  |
|-------|---|---|
| 1.    | Net Plot Area   | 42,343.40 (10.46 Acres)   |
| 2.    | Proposed FAR  | 44,040.25m <sup>2</sup> (Existing – 20,659.59 m <sup>2</sup> + Expansion – 23,380.66m <sup>2</sup> )  |
| 3     | Proposed Ground Coverage  | 13,537.85 m <sup>2</sup> (Existing – 9,150.95m <sup>2</sup> + Expansion – 4,386.90m <sup>2</sup> )  |
| 4.    | Total Built Up Area   | 44,687.46m <sup>2</sup> ( Existing – 20,824.95m <sup>2</sup> + Expansion – 23,862.51m <sup>2</sup> )  |
| 5.    | Maximum No. Of Floors   | G+7 <sup>th</sup> floor (Hospital Building)   |
| 6.    | Total No. Of Beds   | 470 Bedded [Existing - 170 + Expansion - 300]   |
| 7.    | Expected Population (Existing + Expansion)                                    | 2,990   |
| 8.    | Total Water Requirement and fresh water Requirement for (Existing +Expansion) | Total water Requirement for [Existing +Expansion ] - 451KLD & Total Fresh water requirement -262KLD<br>For Existing-(Hospital + Residential Block)<br>Water Requirement - 154KLD<br>Fresh water-108KLD<br>For Expansion- (Hospital + Residential Block)<br>Water Requirement - 297KLD<br>Fresh water-154KLD |
| 10.   | Total Recycled Water for (Existing +Expansion)                                | 309 KLD   |
| 11.   | STP Capacity & Technology for (Existing +Expansion)                           | STP-350KLD; RBC<br>ETP - 100 KLD  |
| 12.   | Total Power Requirement & Source  | 2,427KW; Power is available at 11 KV from Uttar Pradesh State Electrical Board/UPPCL.   |
| 13.   | Power Backup DG Sets Capacity   | DG Sets 2*1,250kVA for each   |
| 14.   | Rainwater Harvesting Pit  | 11(1Pit/Acre)   |
| 15.   | Total Parking Proposed  | 41ECS   |
| 16.   | Energy Conservation Percentage  | 28 %  |
| 17.   | Total Solid Waste Generation for (Existing + Expansion)                       | 1,328kg/day<br>Bio medical waste generation- 705 kg/day<br>Municipal Waste generation- 623 kg/day   |
| 18.   | Project Cost  | Rs. 145.05 Crores   |
| 19.   | Maximum Height of the building  | 30.00 mtrs (Hospital)   |

3. Comparative details:

| S. NO. | PARTICULARS   | Existing                | Expansion               | Existing + Expansion   | Area m <sup>2</sup> |
|--------|---|-------------------------|-------------------------|------------------------|---------------------|
| 1.     | STP   | -                       | 350KLD                  | 350 KLD                | 300                 |
| 2.     | ETP   | -                       | 100KLD                  | 100KLD                 |                     |
| 3.     | RWH Pits  | -                       | 11                      | 11                     |                     |
| 5.     | Radioactive Waste   |                         | Proposed at the site    | Proposed at the site   |                     |
| 6.     | Total Solid Waste<br>Bio Medical Waste<br>Municipal Solid Waste | 255kg/day<br>279 kg/day | 450kg/day<br>344 kg/day | 705kg/day<br>623kg/day | 200                 |
| 7.     | Renewable Energy  | -                       | 330 KW                  | 330 KW                 |                     |

**4. Area details of the project:**

| S. No. | Particulars                               | Existing Area (m <sup>2</sup> ) | Expansion Area (m <sup>2</sup> ) | Total Area (m <sup>2</sup> ) | %Age  |
|--------|---|---------------------------------|----------------------------------|------------------------------|-------|
| 1.     | Plot Area as per land Allotment           |                                 |                                  | 42,343.40<br>(10.46 Acres)   | 100   |
| 2.     | Permissible Ground Coverage (@35% of NPA) |                                 |                                  | 14,820.19                    |       |
| 3.     | Proposed Ground Coverage (@ 32 % of NPA)  | 9,150.95<br>(21.61%)            | 4,386.90<br>(10.36%)             | 13,537.85                    | 31.97 |
| 4.     | Permissible FAR (@ 1.50 of NPA)           |                                 |                                  | 63,515.10                    |       |
| 5.     | Proposed FAR (@ 1.04 of NPA)              | 20,659.59<br>(48.79%)           | 23,380.66<br>(55.23%)            | 44,040.25                    |       |
| 6.     | Non FAR Area                              | 165.36                          | 481.85                           | 647.21                       |       |
| 7.     | Built Up Area                             | 20,824.95<br>(49.10%)           | 23,862.51<br>(56.35%)            | 44,687.46                    |       |
| 8.     | Net Open Area (NOA)                       |                                 |                                  | 28,805.55                    | 53.03 |
| 9.     | Landscape Area (@ 15% of PA)              |                                 |                                  | 6,351.51                     | 15.00 |
|        | Maximum Height of the (Hospital Building) |                                 |                                  | 30.00                        |       |

**5. Water requirement details for expansion project:**

| S. No. | Description                                     | Total Population/Area in (m <sup>2</sup> ) | Unit water Consumption (LPCD) | Total Water Requirement (KLD) |
|--------|---|--|-------------------------------|-------------------------------|
| 1.     | Main Uses (Domestic)                            |  |                               |                               |
| a.     | IPD (Patient, attendants, visitors, staff etc.) | 300  | 450                           | 135                           |
| b.     | OPD   | 500  | 15                            | 7.5                           |
| c.     | Laundry   | 3.5 kg/bed                                 | 25lt/bed/day                  | 26.25                         |
| d.     | Kitchen   | (1500 meals)                               | 15liters                      | 22.5                          |
| e.     | Clinical water                                  |  | 20lt/bed/day                  | 6                             |
| f.     | Labs, Operation & Labour Rooms etc.             |  |                               | 10                            |
| g.     | Residents                                       | 122  | 86                            | 10.49                         |
| h.     | Staff   | 24   | 45                            | 1.08                          |
| i.     | Visitors  | 48   | 15                            | 0.72                          |
|        | WATER CONSUMPTION OF MAIN USES                  |  |                               | 219.54 say<br>220 KLD         |
| 2.     | Other Uses                                      |  |                               |                               |
| a.     | Horticulture/landscape                          | 6,351.51m <sup>2</sup>                     | 3ltrs/m <sup>2</sup>          | 19.05 say 19                  |
| b.     | HVAC  | 300 TR                                     | 10lt/TR/hr(10hr)              | 30                            |
| c.     | DG cooling                                      | 2*1250 kVA                                 | 0.9ltrs/kVA/hr                | 18                            |
| d.     | Filter backwash                                 |  |                               | 10                            |
|        | TOTAL WATER DEMAND CALCULATED (1+2)             |  |                               | 296.59 KLD say<br>297 KLD     |

**6. Solid waste generation details:**

|                                    |                       |
|------------------------------------|-----------------------|
| Total Bio Medical Waste Generation | 705 kg/day            |
| Non-hazardous in Nature (@85%)     | approx. 599.25 kg/day |

|  |                      |
|--|----------------------|
| Infectious in Nature (@10%)                  | approx. 70.5 kg/day  |
| Non-Infectious but hazardous in nature (@5%) | approx. 35.25 kg/day |
| Total Municipal Waste Generation             | 623 kg/day           |
| Biodegradable waste (@60%)                   | approx.373.8 kg/day  |
| Non-Bio degradable waste (@30%)              | approx.186.9kg/day   |
| Inert waste (@10%)                           | approx.62.3 kg/day   |

**7. Power requirement details:**

| Power Requirement               | Details  |
|---------------------------------|--|
| Transformer Selection           | Demand load estimated for project is approx. 2,427KW (2,158kVA). As per projected peak load demand on Electrical Sub-station, Oil type Transformers with ON Load Tap Changer of capacity 2*1600 kVA. Transformer Selection -2,373kVA |
| Source of Power Supply          | Power is available at 11 KV from State Government of UP/ UPPCL   |
| Backup power supply arrangement | Total maximum demand is 2,443kVA<br>DG Sets will be of 2*1250kVA   |
| Location of DG Sets             | DG sets shall be placed in open  |
| Stack Height                    | As per the CPCB/CPWD and Local Bye –Laws standards (SPCB)  |

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

**RESOLUTION AGAINST AGENDA NO-04**

**The committee discussed the matter and directed the project proponent to submit following information:**

1. Emergency exit should be provided.
2. Site photographs with date, time and coordinates.
3. Revised CER as per hospital facility.

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

**5. Up gradation of Existing District Hospital from 170 to 500 bedded Hospital at Kanpur Dehat. Chief Medical Superintending, Akbarpur, Mattird, District-Kanpur Dehat, U.P. File No. 6203/Proposal No. SIA/UP/MIS/198583/2021**

A presentation was made by project proponent along with their consultant M/s Chandigarh Pollution Testing Laboratory –EIA Division. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The Environment clearance is sought for Up-gradation of Existing District Hospital from 170 beds to 500 beds Hospital at Kanpur Dehat, U.P., M/s Chief Medical Superintending, Kanpur Dehat, U.P.
2. Salient features of the project:

| S. No. | Particulars             | Details   |
|--------|-------------------------|---|
| 1.     | Plot area               | 69150.12 sqm  |
| 2.     | Built-up area           | Proposed Built up Area: 27715.40 sqm (46.4%) +<br>Existing built up area is 32067.7 sqm (53.6%)<br>Total built up area is 59783.1 sqm |
| 3.     | Parking area            | 12213 sqm; Total No. of ECS Provided: 600 E.C.S   |
| 4.     | Green area              | 10510 sqm (15.20%)  |
| 5.     | Ground Coverage         | 19151.71 Sqm. (27.70%)  |
| 6.     | Total water requirement | ~325 KLD<br>Fresh water: 179 KLD<br>Recycled Water: 146 KLD   |

|     |                                  |   |
|-----|----------------------------------|---|
| 7.  | Wastewater Generation            | 238 KLD   |
| 8.  | STP/ ETP capacity                | ETP ~30 KLD<br>STP - ~257 KLD   |
| 9.  | Rain Water Harvesting Potential  | 567 m <sup>3</sup> (in 15 min): 2268.17/ 4 = 567 m <sup>3</sup><br>RWH Pits: 9 (Volume of Pits= 63 Nos. ) |
| 10. | Municipal Solid Waste Generation | 430 Kg/day  |
| 11. | Quantity of Bio-Medical Waste    | 550 Kg/Day  |
| 12. | Power requirement                | 2000 KVA  |
| 13. | Power back up                    | Total No. of DG set is 6,<br>Existing: 2 x 125 KVA + 350 KVA + 62.5 KVA<br>Proposed: 2 x 320 KVA.         |
| 14. | Connectivity                     | Lalpur Railway Station: 5.82 KM<br>Paman Railway Station: 12.29 KM  |
| 15. | Environmental Sensitivity        | Rind River at 9.62 Km NNE   |
| 16. | Geo Coordinates                  |   |
| 17. | Total cost of the project        | ~ 330.6329 Crores   |

**3. Comparative details of existing and expansion proposal:**

| Sl. No. | Description             | Existing    | Proposed                                  | Total       |
|---------|-------------------------|-------------|---|-------------|
| 1.      | Built-up Area           | 32067.7 Sqm | 27715.40 Sqm                              | 59783.1 Sqm |
| 2.      | Hospital                | 170 Beds    | 330 Beds                                  | 500 Beds    |
| 3.      | Fresh water (KLD)       | 53          | 125.49                                    | 179         |
| 4.      | Flushing (KLD)          | 29          | 66.45                                     | 95          |
| 5.      | Total water (KLD)       | 82          | 191.94                                    | 274         |
| 6.      | Total waste water (KLD) | 71          | 167                                       | 238         |
| 7.      | Proposed ETP (KLD)      | --          |   | 30          |
| 8.      | Proposed STP (KLD)      | --          |   | 257         |
| 09.     | Bio Medical waste       | 170 Kg/day  | 380 Kg/day (@ total 330 + OPD= 50 Kg/day) | 550 Kg/day  |
| 10.     | Plantation              | 78 Nos.     | 787 Nos.                                  | 865 Nos.    |
| 11.     | Power Requirement       | 100 KVA     | 2000 KVA                                  | 2000 KVA    |
| 12.     | Parking                 | 241 Nos.    | 359 Nos.                                  | 600 Nos.    |

**4. Area details of the project:**

| FAR CALCULATION        |   |           |         |       |   |                               |
|------------------------|---|-----------|---------|-------|---|-------------------------------|
|                        | Permissible FAR                                     | 2.5       | Percent |       |   |                               |
|                        | Permissible FAR Area                                | 172875.30 | Sq.mt.  |       |   |                               |
|                        | Total FAR Area of Buildings                         | 59783.10  | Sq.mt.  | 0.86  | % |                               |
| Ground Coverage        |   |           |         |       |   |                               |
|                        | Permissible Ground Coverage                         | 30        | Percent |       |   |                               |
|                        | Permissible Ground Coverage Area                    | 20745.04  | Sq.mt.  |       |   |                               |
|                        | Achieved Ground Coverage (B)                        | 19151.71  | Sq.mt.  | 27.70 | % |                               |
| Parking Provision      |   |           |         |       |   |                               |
|                        | Total Parking Provided                              | 600       | No.     |       |   |                               |
| Green Area Calculation |   |           |         |       |   |                               |
|                        | Required Green Area (15% of Plot Area)              | 10373     | Sq.mt.  |       |   |                               |
|                        | Green Area Provided                                 | 10510     | Sq.mt.  | 15.20 | % |                               |
| Trees Calculation      |   |           |         |       |   |                               |
|                        | Required Trees (125 Nos. Trees per hectare of plot) |           |         |       |   | 69150.12/10000=6.91 hect. 125 |

|  |                              |  |  |  |  |     |      |  |  |
|--|------------------------------|--|--|--|--|-----|------|--|--|
|  | area)                        |  |  |  |  |     |      |  |  |
|  | Total Nos. of trees required |  |  |  |  | 865 | Nos. |  |  |
|  | Trees Provided on site       |  |  |  |  | 865 | Nos. |  |  |

**5. Water requirement details of proposed project:**

|  | No of person | Domestic/ fresh water (LPD)                                 | Flushing water (LPD) | Total water (LPD) | Total Wastewater (LPD) |
|--|--------------|---|----------------------|-------------------|------------------------|
| No of Bed                                    | 330          | 99000   | 49500                | 148500            | 128700                 |
| OPD  | 800          | 4000  | 10000                | 14000             | 13200                  |
| Staffs                                       | 50           | 2500  | 2000                 | 4500              | 4000                   |
| Resident Doctor @ 62 + Nurse Hostel @ 49     | 111          | 9990  | 4995                 | 14985             | 12987                  |
| Canteen & Kitchen                            | ...          | 10000   |                      | 8000              | 8000                   |
| Subtotal-I                                   |              | 125490  | 66495                | 189985            | 166887                 |
| ETP/STP requirement                          |              |   |                      |                   |                        |
| Effluent generation @10% of total wastewater | 17 KLD       | Capacity of ETP (20% higher than total Effluent generation) |                      |                   | 20 KLD                 |
| Sewage generation @90% of total wastewater   | 150 KLD      | Capacity of STP (20% higher than total Sewage generation)   |                      |                   | 180 KLD                |
| Total capacity of treatment plant            |              |   |                      |                   | 200 KLD                |
| Total treated water generation               |              | 134 KLD (@80% total waste water )                           |                      |                   |                        |

**6. Waste generation details:**

| Solid and Bio Medical waste generation during Operational Phase |      |                                |                                 |
|---|------|--------------------------------|---------------------------------|
| Particulars   | No   | Kg per capita waste generation | Total waste generation (kg/day) |
| Patient's attendant   | 400  | 0.5                            | 200                             |
| Staff   | 100  | 0.25                           | 25                              |
| Hostels   | 110  | 0.5                            | 55                              |
| Visitor + OPD+ Hospital beds                                    | 1000 | 0.15                           | 150                             |
| Landscape waste(10510 sqmt/ 2.60 acre)                          | --   | 0.2 kg/acre                    | 0.52                            |
| Total solid waste generated (Kg/day)                            |      |                                | 430.52                          |
| Non-bio degradable @40% of solid waste                          |      |                                | 172.21                          |
| Bio-degradable @ 60% of solid waste                             |      |                                | 258.31                          |
| E-Waste   |      |                                | 5                               |
| Hazardous waste   |      |                                | 8                               |

**7. Bio medical waste details:**

|                              |     |   |     |
|------------------------------|-----|---|-----|
| Bio medical waste generation | 500 | 1 | 500 |
| OPD BMW                      |     |   | 50  |

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

**RESOLUTION AGAINST AGENDA NO-05**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposals alongwith general conditions as earlier prescribed by authority for construction project and following specific conditions:**

1. Emergency exit should be provided.
2. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.

3. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and industrial effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
4. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
5. Parking space for ambulances shall be exclusively earmarked.
6. Police post shall be provided near emergency.
7. Dedicated power supply to be installed in Operation Theaters and other critical areas
8. Accommodation for attendants to be provided near indoor nursing wards.
9. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
10. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
11. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
12. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings.
13. 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, creche and First Aid Room etc.
14. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
15. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
16. 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 more than 24 hours.
17. 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.
18. Sewage/other effluents from infectious diseases ward and pathology/laboratory should be treated/disinfected separately prior to ETP.
19. A 2% of the total project cost Corporate Environmental Responsibility (CER) plan along with budgetary provision shall be prepared phase wise and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted alongwith photographs. No parking shall be allowed outside the project boundary.
20. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
21. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.

22. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
23. Disposal of muck during construction phase should 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.
24. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
25. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.

**6. Sand Mining from Ghaghra River bed at Gata No.- GHA, Village-Hariharpur, The. Gola, Gorakhpur., Shri Jitendra Nishad, Area-5.00 Ha. File No. 6160/Proposal No. SIA/UP/MIN/193450/2021**

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Ordinary Sand Mining at Gata No. Gha., Village-Hariharpur, Tehsil - Gola, District - Gorakhpur, U.P., (Leased Area 5.0 ha).
2. Salient features of the project as submitted by the project proponent:

|  |  |               |               |
|--|--|---------------|---------------|
| 1. On-line proposal No.                                    | SIA/UP/MIN/193450/2021   |               |               |
| 2. File No. allotted by SEIAA, UP                          | 6160   |               |               |
| 3. Name of Proponent                                       | Prop. Shri Jitendra Nishad   |               |               |
| 4. Full correspondence address of proponent and mobile No. | Village- Banwati, Post- Shahpur, Thana- Urua Bazar, Tehsil- Gola, District- Gorakhpur, Uttar Pradesh |               |               |
| 5. Name of Project   | Proposed riverbed Ordinary Sand mining project from Ghaghra River                                    |               |               |
| 6. Project location (Plot/Khasra/Gata No.)                 | Gata No. Gha.  |               |               |
| 7. Name of River   | Ghaghra  |               |               |
| 8. Name of Village   | Hariharpur   |               |               |
| 9. Tehsil  | Gola   |               |               |
| 10. District   | Gorakhpur  |               |               |
| 11. Name of Minor Mineral                                  | Ordinary Sand  |               |               |
| 12. Sanctioned Lease Area (in Ha.)                         | 5.0  |               |               |
| 13. Max & Min mRL within lease area                        | Max- 78 mRL and Min- 77.45 mRL   |               |               |
| 14. Pillar Coordinates (Verified by DMO)                   | Pillar No.   | Latitude      | Longitude     |
|  | A  | 26°23'8.07"N  | 83°14'54.42"E |
|  | B  | 26°23'5.10"N  | 83°14'51.10"E |
|  | C  | 26°23'12.74"N | 83°14'39.84"E |
|  | D  | 26°23'15.69"N | 83°14'43.21"E |
| 15. Total Geological Reserves                              | 42,700 cum   |               |               |
| 16. Total Mineable Reserves in LOI                         | 25,000 cum   |               |               |
| 17. Total Proposed Production                              | 1,25,000 cum   |               |               |
| 18. Proposed Production/year                               | 25,000 cum   |               |               |
| 19. Sanctioned Period of Mine lease                        | 5 years  |               |               |
| 20. Production of mine/day                                 | 96.15  |               |               |



|   |  |                   |
|---|--|-------------------|
| 21. Method of Mining  | Open Cast Semi-mechanized Method                                 |                   |
| 22. No. of working days   | 260 days   |                   |
| 23. Working hours/day   | 8 hrs  |                   |
| 24. No. of workers  | 51   |                   |
| 25. No. of vehicles movement/day  | 8  |                   |
| 26. Type of Land  | Government waste land  |                   |
| 27. Ultimate Depth of Mining  | 0.56   |                   |
| 28. Nearest metalled road from site                                       | 1.0 km   |                   |
| 29. Water Requirement   | PURPOSE  | REQUIREMENT (KLD) |
|   | Drinking   | 0.51              |
|   | Suppression of dust  | 3.9               |
|   | Plantation   | 0.25              |
|   | Others (if any)  | -                 |
|   | Total  | 4.66              |
| 30. Name of QCI Accredited Consultant with QCI No and period of validity. | Cognizance Research India Pvt Ltd.<br>1922, validity= 03-02-2022 |                   |
| 31. Any litigation pending against the project or land in any court       | No   |                   |
| 32. Details of 500 m Cluster Map & certificate issued by Mining Officer   | Yes, certified by District Mining Officer                        |                   |
| 33. Details of Lease Area in approved DSR                                 | Yes area is given in DSR   |                   |
| 34. Proposed CER cost   | Rs 1,60,000 /-   |                   |
| 35. Proposed EMP cost   | Rs 3,50,000 /-   |                   |
| 36. Length and breadth of Haul Road                                       | Length: 0.325 km, width: 6 m                                     |                   |
| 37. No. of Trees to be Planted  | 125 plants   |                   |

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

#### **RESOLUTION AGAINST AGENDA NO-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-2 & 3 to these minutes regarding mining project.**

1. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
2. Environment management in according to environmental status and impact of the project.
3. Selection of plants for green belt should be on the basis of pollution removal index.
4. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
5. Pakka motorable haul road to be maintained by the project proponent.
6. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
7. Permission from the competent authority regarding evacuation route should be taken.

8. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
  9. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
  10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
  11. Provision for cylinder to workers should be made for cooking.
  12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
  13. Provide suitable mask to the workers.
  14. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
  15. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
  16. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
  17. Provision for two toilets and hand pumps should be made at mining site.
  18. Drinking water for workers would be provided by tankers.
  19. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
  20. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
  21. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
  22. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
  23. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
  24. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
  25. Width of the haul road shall be more than 6 meter.
  26. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
7. **Stone (Khanda, Boulder, Bailast&Gitti)Mining at Gata No.-989, Khand No.-18, at Village-Makarbai,Mahoba., Shri FazalUddinRahmani, Area 1.619 ha. File No. 6167/Proposal No. SIA/UP/MIN/59556/2021**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining at Gata No.- 989 (Khand No.-18), Village- Makarbai, Tehsil- Mahoba, District- Mahoba, U.P.

(Leased Area- 1.169 ha.)

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

|     |   |  |                       |                 |
|-----|---|--|-----------------------|-----------------|
| 1.  | On-line proposal No.  | SIA/UP/MIN/59556/2020  |                       |                 |
| 2.  | File No. allotted by SEIAA, UP  | 6167   |                       |                 |
| 3.  | Name of Proponent   | Shri Fazal Uddin Rahmani<br>S/o Shri Faiyaz Uddin Rahmani  |                       |                 |
| 4.  | Full correspondence address of proponent                              | R/o- Khaipar, Banda, Distt.- Banda, U.P.   |                       |                 |
| 5.  | Name of Project   | Building Stone (Khanda, Boulder, Bailast (Gitti))<br>Mining Project  |                       |                 |
| 6.  | Project location (Plot/ Khasra /Gata No.)                             | Gata No.- 989 (Khand No.-18)   |                       |                 |
| 7.  | Name of Village   | Makarbai   |                       |                 |
| 8.  | Tehsil  | Mahoba   |                       |                 |
| 9.  | District  | Mahoba   |                       |                 |
| 10. | Name of Minor Mineral   | Building Stone (Khanda, Boulder, Bailast (Gitti))  |                       |                 |
| 11. | Sanctioned Lease Area (in Ha.)  | 1.619 ha.  |                       |                 |
| 12. | Max.& Min mRL within lease area                                       | 196 mRL- 186 mRL   |                       |                 |
| 13. | Pillar Coordinates(Verified by DMO)                                   | Pillars  | Latitude (N)          | Longitude (E)   |
|     |   | A  | 25°19'54.116"N        | 79° 59'10.082"E |
|     |   | B  | 25°19'56.849"N        | 79° 59'13.075"E |
|     |   | C  | 25°19'53.169"N        | 79° 59'17.434"E |
|     |   | D  | 25°19'52.081"N        | 79° 59'17.809"E |
| 14. | Total Geological Reserves   | 1524012 m <sup>3</sup>   |                       |                 |
| 15. | Total Mineable Reserves   | 401964 m <sup>3</sup>  |                       |                 |
| 16. | Total Proposed Production (in five year)                              | 300000 m <sup>3</sup>  |                       |                 |
| 17. | Proposed Production / year  | Year   | Production            |                 |
|     |   | 1 <sup>st</sup>  | 60000 m <sup>3</sup>  |                 |
|     |   | 2 <sup>nd</sup>  | 60000 m <sup>3</sup>  |                 |
|     |   | 3 <sup>rd</sup>  | 60000 m <sup>3</sup>  |                 |
|     |   | 4 <sup>th</sup>  | 60000 m <sup>3</sup>  |                 |
|     |   | 5 <sup>th</sup>  | 60000 m <sup>3</sup>  |                 |
|     |   | Total  | 300000 m <sup>3</sup> |                 |
| 18. | Sanctioned Period of Mine lease                                       | 10 Years   |                       |                 |
| 19. | Production of mine/day  | 200 m <sup>3</sup> (approx.)   |                       |                 |
| 20. | Method of Mining  | Opencast Semi-Mechanized   |                       |                 |
| 21. | No.of working days  | 300 days   |                       |                 |
| 22. | Working hours/day   | 8 Hours/Day  |                       |                 |
| 23. | No.Of workers   | 35 (approx.)   |                       |                 |
| 24. | No.Of vehicle movement /day   | 20 (approx.)   |                       |                 |
| 25. | Type of Land  | Govt. revenue land   |                       |                 |
| 26. | Ultimate Depth of Mining  | 12 meter (average)   |                       |                 |
| 27. | Nearest metalled road from site                                       | 0.40 km  |                       |                 |
| 28. | Water Requirement   | PURPOSE  | REQUIREMENT (KLD)     |                 |
|     |   | Drinking & Others  | 0.35                  |                 |
|     |   | Suppression of dust  | 2.40                  |                 |
|     |   | Plantation   | 0.20                  |                 |
|     |   | Others( if any)  | -----                 |                 |
|     |   | Total  | 2.95                  |                 |
| 29. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P.<br>QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021 |                       |                 |
| 30. | Any litigation pending against the project or land in any court       | No   |                       |                 |
| 31. | Details of 500 m Cluster Map & certificate                            | DMO, Mahoba vide Letter No. 7341/MMC-30/2020-21  |                       |                 |

|     |                                       |  |
|-----|---------------------------------------|--|
|     | Verified by Mining Officer            | Dated 09/12/2020   |
| 32. | Details of Lease Area in approved DSR | DSR Correction Letter No.- 8439/MMC-30-Khanij (2020-21) Dated 08/03/2021, DSR Page No. 80, Sr No. 76 |
| 33. | Proposed CER cost                     | 1.25 Lakh  |
| 34. | Proposed EMP cost                     | 10.84 Lakh   |
| 35. | Length and breadth of Haul Road.      | Length- 0.40 km, Width- more than 6.0 m  |
| 36. | No. of Trees to be Planted            | 162  |

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

**RESOLUTION AGAINST AGENDA NO-07**

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1.

**8. Stone Mining at Gata No.-478/2, Khand No.-03 at Village-Bilbai, Mahoba., Shri Rajendra Kumar, Area -1.012 ha. File No. 6168/Proposal No. SIA/UP/MIN/59769/2021**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone Mining at Gata No.- 478/2, Khand No.- 03, Village- Bilbai, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 1.012 ha.).
2. Salient features of the project as submitted by the project proponent:

| 1.      | On-line proposal No.                      | SIA/UP/MIN/59769/2021   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
|---------|---|---|---------|--------------|---------------|---|-----------------|-----------------|---|-----------------|-----------------|-----|-----------------|-----------------|---|-----------------|-----------------|---|-----------------|-----------------|---|-----------------|-----------------|
| 2.      | File No. allotted by SEIAA, UP            | 6168  |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 3.      | Name of Proponent                         | Shri Rajendra Kumar Shivhare<br>S/o Shri Ram Manohar Shivhare   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 4.      | Full correspondence address of proponent  | R/o- Indira Nagar, Kabrai, Tehsil & District Mahoba, U.P.   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 5.      | Project location (Plot/ Khasra /Gata No.) | Gata No.- 478/2 (Khand No.-03 New)  |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 6.      | Name of Village                           | Bilbai  |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 7.      | Tehsil                                    | Mahoba  |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 8.      | District                                  | Mahoba  |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 9.      | Name of Minor Mineral                     | Building Stone (Khanda, Boulder, Bailast (Gitti))   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 10.     | Sanctioned Lease Area (in Ha.)            | 1.012 ha.   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 11.     | Max.& Min mRL within lease area           | 192 mRL- 178 mRL  |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| 12.     | Pillar Coordinates(Verified by DMO)       | <table border="1"> <thead> <tr> <th>Pillars</th><th>Latitude (N)</th><th>Longitude (E)</th></tr> </thead> <tbody> <tr> <td>A</td><td>25° 20' 48.703"</td><td>79° 54' 46.817"</td></tr> <tr> <td>B</td><td>25° 20' 48.249"</td><td>79° 54' 53.279"</td></tr> <tr> <td>B-1</td><td>25° 20' 47.580"</td><td>79° 54' 53.330"</td></tr> <tr> <td>C</td><td>25° 20' 45.190"</td><td>79° 54' 52.621"</td></tr> <tr> <td>D</td><td>25° 20' 45.791"</td><td>79° 54' 48.974"</td></tr> <tr> <td>E</td><td>25° 20' 47.353"</td><td>79° 54' 49.417"</td></tr> </tbody> </table> | Pillars | Latitude (N) | Longitude (E) | A | 25° 20' 48.703" | 79° 54' 46.817" | B | 25° 20' 48.249" | 79° 54' 53.279" | B-1 | 25° 20' 47.580" | 79° 54' 53.330" | C | 25° 20' 45.190" | 79° 54' 52.621" | D | 25° 20' 45.791" | 79° 54' 48.974" | E | 25° 20' 47.353" | 79° 54' 49.417" |
| Pillars | Latitude (N)                              | Longitude (E)   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| A       | 25° 20' 48.703"                           | 79° 54' 46.817"   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| B       | 25° 20' 48.249"                           | 79° 54' 53.279"   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| B-1     | 25° 20' 47.580"                           | 79° 54' 53.330"   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| C       | 25° 20' 45.190"                           | 79° 54' 52.621"   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| D       | 25° 20' 45.791"                           | 79° 54' 48.974"   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |
| E       | 25° 20' 47.353"                           | 79° 54' 49.417"   |         |              |               |   |                 |                 |   |                 |                 |     |                 |                 |   |                 |                 |   |                 |                 |   |                 |                 |

|     |   |  |                       |
|-----|---|--|-----------------------|
| 13. | Total Geological Reserves   | 782038 m <sup>3</sup>  |                       |
| 14. | Total Mineable Reserves   | 312505 m <sup>3</sup>  |                       |
| 15. | Total Proposed Production (in five year)                              | 312500 m <sup>3</sup>  |                       |
| 16. | Proposed Production / year  | Year   | Production            |
|     |   | 1 <sup>st</sup>  | 62500 m <sup>3</sup>  |
|     |   | 2 <sup>nd</sup>  | 62500 m <sup>3</sup>  |
|     |   | 3 <sup>rd</sup>  | 62500 m <sup>3</sup>  |
|     |   | 4 <sup>th</sup>  | 62500 m <sup>3</sup>  |
|     |   | 5 <sup>th</sup>  | 62500 m <sup>3</sup>  |
|     |   | Total  | 312500 m <sup>3</sup> |
| 17. | Sanctioned Period of Mine lease                                       | 10 Years   |                       |
| 18. | Production of mine/day  | 208.33 m <sup>3</sup> (approx.)  |                       |
| 19. | Method of Mining  | Opencast manual/Semi-Mechanized  |                       |
| 20. | No.of working days  | 300 days   |                       |
| 21. | Working hours/day   | 8 Hours/Day  |                       |
| 22. | No.Of workers   | 36 (approx.)   |                       |
| 23. | No.Of vehicle movement /day   | 21 (approx.)   |                       |
| 24. | Type of Land  | Govt. revenue land   |                       |
| 25. | Ultimate Depth of Mining  | 24 meter (average)   |                       |
| 26. | Nearest metalled road from site                                       | 0.30 km  |                       |
| 27. | Water Requirement   | PURPOSE  | REQUIREMENT (KLD)     |
|     |   | Drinking & Others  | 0.40                  |
|     |   | Suppression of dust  | 1.80                  |
|     |   | Plantation   | 0.10                  |
|     |   | Others( if any)  | -----                 |
|     |   | Total  | 2.30                  |
| 28. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P.<br>QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021 |                       |
| 29. | Any litigation pending against the project or land in any court       | No   |                       |
| 30. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Mahoba vide Letter No. 7339/MMC-30/2020-21, Dated 09/12/2020  |                       |
| 31. | Details of Lease Area in approved DSR                                 | DSR Correction Letter No.- 8428/MMC-30-Khanij (2020-21) Dated 08/03/2021, DSR Page No. 79, Sr No. 20                   |                       |
| 32. | Proposed CER cost   | 1.35 Lakh  |                       |
| 33. | Proposed EMP cost   | 10.15 Lakh   |                       |
| 34. | Length and breadth of Haul Road.                                      | Length- 0.30 km, Width- more than 6.0 m  |                       |
| 35. | No. of Trees to be Planted  | 100  |                       |

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

#### **RESOLUTION AGAINST AGENDA NO-08**

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1.

**9. Stone Mining at Gata No.-339,Khand No.-12 Old 28 New,Village-Daharra, Sadar, Mahoba. ShriHarpalSingh,Area-0.809 ha. File No. 6169/Proposal No. SIA/UP/MIN/59855/2021**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Stone Mining at Gata No.- 339 (Khand No.- 12 Old 28 New), Village- Daharra, Tehsil- Sadar, District- Mahoba, U.P., (Leased Area- 0.809 ha.).
2. Salient features of the project as submitted by the project proponent:

|     |   |   |                                 |                       |
|-----|---|---|---------------------------------|-----------------------|
| 1.  | On-line proposal No.                      | SIA/UP/MIN/59855/2021   |                                 |                       |
| 2.  | File No. allotted by SEIAA, UP            | 6169  |                                 |                       |
| 3.  | Name of Proponent                         | Shri Harpal Singh Chandel S/o Shri Puran Singh Chandel              |                                 |                       |
| 4.  | Full correspondence address of proponent  | R/o- Ashirwad Palace, Nayapura, Naikana, Gandhi Nagar, Mahoba, U.P. |                                 |                       |
| 5.  | Name of Project                           | Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project    |                                 |                       |
| 6.  | Project location (Plot/ Khasra /Gata No.) | Gata No.- 339 (Khand No.- 12 Old 28 New)                            |                                 |                       |
| 7.  | Name of Village                           | Daharra   |                                 |                       |
| 8.  | Tehsil                                    | Sadar   |                                 |                       |
| 9.  | District                                  | Mahoba  |                                 |                       |
| 10. | Name of Minor Mineral                     | Building Stone (Khanda, Boulder, Bailast (Gitti))                   |                                 |                       |
| 11. | Sanctioned Lease Area (in Ha.)            | 0.809 ha.   |                                 |                       |
| 12. | Max.& Min mRL within lease area           | 207 mRL- 182 mRL  |                                 |                       |
| 13. | Pillar Coordinates(Verified by DMO)       | Pillars   | Latitude (N)                    | Longitude (E)         |
|     |   | A   | 25° 20' 16.872"N                | 79° 57' 45.961"E      |
|     |   | B   | 25° 20' 17.365"N                | 79° 57' 46.670"E      |
|     |   | C   | 25° 20' 09.675"N                | 79° 57' 57.024"E      |
|     |   | D   | 25° 20' 09.902"N                | 79° 57' 55.731"E      |
| 14. | Total Geological Reserves                 | 672225 m <sup>3</sup>   |                                 |                       |
| 15. | Total Mineable Reserves                   | 200004 m <sup>3</sup>   |                                 |                       |
| 16. | Total Proposed Production (in five year)  | 200000 m <sup>3</sup>   |                                 |                       |
| 17. | Proposed Production / year                | Year  |                                 | Production            |
|     |   | 1 <sup>st</sup>   |                                 | 40000 m <sup>3</sup>  |
|     |   | 2 <sup>nd</sup>   |                                 | 40000 m <sup>3</sup>  |
|     |   | 3 <sup>rd</sup>   |                                 | 40000 m <sup>3</sup>  |
|     |   | 4 <sup>th</sup>   |                                 | 40000 m <sup>3</sup>  |
|     |   | 5 <sup>th</sup>   |                                 | 40000 m <sup>3</sup>  |
|     |   | Total   |                                 | 200000 m <sup>3</sup> |
|     |   | 18.   | Sanctioned Period of Mine lease | 10 Years              |
| 19. | Production of mine/day                    | 133.33 m <sup>3</sup> (approx.)                                     |                                 |                       |
| 20. | Method of Mining                          | Opencast Semi-Mechanized  |                                 |                       |
| 21. | No.of working days                        | 300 days  |                                 |                       |
| 22. | Working hours/day                         | 8 Hours/Day   |                                 |                       |
| 23. | No.Of workers                             | 35 (approx.)  |                                 |                       |
| 24. | No.Of vehicle movement /day               | 14 (approx.)  |                                 |                       |
| 25. | Type of Land                              | Govt. revenue land  |                                 |                       |
| 26. | Ultimate Depth of Mining                  | 18 meter (average)  |                                 |                       |
| 27. | Nearest metalled road from site           | 250m  |                                 |                       |
| 28. | Water Requirement                         | PURPOSE   |                                 | REQUIREMENT (KLD)     |
|     |   | Drinking & Others   |                                 | 0.40                  |

|     |   |  |       |  |
|-----|---|--|-------|--|
|     |   | Suppression of dust  | 1.50  |  |
|     |   | Plantation   | 0.10  |  |
|     |   | Others( if any)  | ----- |  |
|     |   | Total  | 2.00  |  |
| 29. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P.<br>QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021 |       |  |
| 30. | Any litigation pending against the project or land in any court       | No   |       |  |
| 31. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Mahoba vide Letter No. 7499/MMC-30/2020-21, Dated 26/12/2020  |       |  |
| 32. | Details of Lease Area in approved DSR                                 | DSR Correction Letter No.- 8431/MMC-30-Khanij (2020-21) Dated 08/03/2021, DSR Page No. 81, Sr No. 125                  |       |  |
| 33. | Proposed CER cost   | 1.35 Lakh  |       |  |
| 34. | Proposed EMP cost   | 9.78 Lakh  |       |  |
| 35. | Length and breadth of Haul Road.                                      | Length- 250m, Width- more than 6.0 m   |       |  |
| 36. | No. of Trees to be Planted  | 80   |       |  |

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

**RESOLUTION AGAINST AGENDA NO-09**

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1.

**10. Stone (Khanda, Boulder, Gitti, Bailast) Mining at Gata No.-339, Khand No.-21 Old 32 New, Village-Daharra, Sadar, Mahoba., Smt. Amita Singh, Area-1.619 ha. File No. 6170/Proposal No. SIA/UP/MIN/59845/2021**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Stone Mining at Gata No.- 339 (Khand No.- 12 Old 28 New), Village- Daharra, Tehsil- Sadar, District- Mahoba, U.P., (Leased Area- 0.809 ha.).
2. Salient features of the project as submitted by the project proponent:

|    |   |  |
|----|---|--|
| 1. | On-line proposal No.                      | SIA/UP/MIN/59845/2021  |
| 2. | File No. allotted by SEIAA, UP            | 6170   |
| 3. | Name of Proponent                         | M/s New Annapurna Granite, Smt. Amita Singh W/o Shri Anil Singh  |
| 4. | Full correspondence address of proponent  | R/o- Kidwai Nagar, Thana-Naubasta, District-Kanpur Nagar, U.P.   |
| 5. | Name of Project                           | Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project |
| 6. | Project location (Plot/ Khasra /Gata No.) | Gata No.- 339 (Khand No.- 21 New 32 Old)                         |
| 7. | Name of Village                           | Daharra  |

|     |   |  |                       |                  |
|-----|---|--|-----------------------|------------------|
| 8.  | Tehsil  | Sadar  |                       |                  |
| 9.  | District  | Mahoba   |                       |                  |
| 10. | Name of Minor Mineral   | Building Stone (Khanda, Boulder, Bailast (Gitti))  |                       |                  |
| 11. | Sanctioned Lease Area (in Ha.)  | 1.619 ha.  |                       |                  |
| 12. | Max.& Min mRL within lease area                                       | 212 mRL- 197 mRL   |                       |                  |
| 13. | Pillar Coordinates(Verified by DMO)                                   | Pillars  | Latitude (N)          | Longitude (E)    |
|     |   | A  | 25° 20' 05.676"N      | 79° 58' 02.762"E |
|     |   | B  | 25° 20' 06.183"N      | 79° 58' 04.958"E |
|     |   | C  | 25° 20' 01.820"N      | 79° 58' 04.696"E |
|     |   | D  | 25° 20' 02.191"N      | 79° 58' 03.544"E |
|     |   | E  | 25° 19' 58.796"N      | 79° 58' 03.356"E |
|     |   | F  | 25° 19' 58.688"N      | 79° 58' 01.517"E |
| 14. | Total Geological Reserves   | 1289964 m <sup>3</sup>   |                       |                  |
| 15. | Total Mineable Reserves   | 400014 m <sup>3</sup>  |                       |                  |
| 16. | Total Proposed Production (in five year)                              | 400000 m <sup>3</sup>  |                       |                  |
| 17. | Proposed Production / year  | Year   | Production            |                  |
|     |   | 1 <sup>st</sup>  | 80000 m <sup>3</sup>  |                  |
|     |   | 2 <sup>nd</sup>  | 80000 m <sup>3</sup>  |                  |
|     |   | 3 <sup>rd</sup>  | 80000 m <sup>3</sup>  |                  |
|     |   | 4 <sup>th</sup>  | 80000 m <sup>3</sup>  |                  |
|     |   | 5 <sup>th</sup>  | 80000 m <sup>3</sup>  |                  |
|     |   | Total  | 400000 m <sup>3</sup> |                  |
| 18. | Sanctioned Period of Mine lease                                       | 10 Years   |                       |                  |
| 19. | Production of mine/day  | 266.67m <sup>3</sup> (approx.)   |                       |                  |
| 20. | Method of Mining  | Opencast Semi-Mechanized   |                       |                  |
| 21. | No.of working days  | 300 days   |                       |                  |
| 22. | Working hours/day   | 8 Hours/Day  |                       |                  |
| 23. | No.Of workers   | 40 (approx.)   |                       |                  |
| 24. | No.Of vehicle movement /day   | 27 (approx.)   |                       |                  |
| 25. | Type of Land  | Govt. revenue land   |                       |                  |
| 26. | Ultimate Depth of Mining  | 24 meter (average)   |                       |                  |
| 27. | Nearest metalled road from site                                       | 600m   |                       |                  |
| 28. | Water Requirement   | PURPOSE  | REQUIREMENT (KLD)     |                  |
|     |   | Drinking & Others  | 0.40                  |                  |
|     |   | Suppression of dust  | 3.60                  |                  |
|     |   | Plantation   | 0.20                  |                  |
|     |   | Others( if any)  | -----                 |                  |
|     |   | Total  | 4.20                  |                  |
| 29. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P.<br>QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021 |                       |                  |
| 30. | Any litigation pending against the project or land in any court       | No   |                       |                  |
| 31. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Mahoba vide Letter No. 7500/MMC-30/2020-21, Dated 26/12/2020  |                       |                  |
| 32. | Details of Lease Area in approved DSR                                 | DSR Correction Letter No.- 8430/MMC-30-Khanij (2020-21) Dated 08/03/2021, DSR Page No. 86, Sr No. 60                   |                       |                  |
| 33. | Proposed CER cost   | 1.55 Lakh  |                       |                  |
| 34. | Proposed EMP cost   | 12.29 Lakh   |                       |                  |
| 35. | Length and breadth of Haul Road.                                      | Length- 600m, Width- more than 6.0 m   |                       |                  |
| 36. | No. of Trees to be Planted  | 162  |                       |                  |

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

**RESOLUTION AGAINST AGENDA NO-10**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1.**

**11. Stone (Boulder & Gitti) Mining at Gata No.- 946, Village- Makarbai, Mahoba, M/s Pradeep Kumar Agrawal., Area -4.445 ha. File No. 6171/Proposal No. SIA/UP/MIN/59789/2021**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining at Gata No.- 946, Village- Makarbai, Tehsil- Mahoba, District- Mahoba, U.P. (Leased Area- 4.445 ha.).
2. Salient features of the project as submitted by the project proponent:

|     |   |   |                  |                  |
|-----|---|---|------------------|------------------|
| 1.  | On-line proposal No.                      | SIA/UP/MIN/59789/2021   |                  |                  |
| 2.  | File No. allotted by SEIAA, UP            | 6171  |                  |                  |
| 3.  | Name of Proponent                         | M/s Pradeep Kumar Agrawal Mines Contractor,<br>Shri Pradeep Kumar Agrawal<br>S/o Shri Yateesh Chandra Agrawal |                  |                  |
| 4.  | Full correspondence address of proponent  | R/o- D.M. Colony, Banda, Tehsil & Distt.- Banda, U.P.   |                  |                  |
| 5.  | Name of Project                           | Building Stone (Khanda, Boulder, Bailast (Gitti))<br>Mining Project   |                  |                  |
| 6.  | Project location (Plot/ Khasra /Gata No.) | Gata No.- 946   |                  |                  |
| 7.  | Name of Village                           | Makarbai  |                  |                  |
| 8.  | Tehsil                                    | Mahoba  |                  |                  |
| 9.  | District                                  | Mahoba  |                  |                  |
| 10. | Name of Minor Mineral                     | Building Stone (Khanda, Boulder, Bailast (Gitti))   |                  |                  |
| 11. | Sanctioned Lease Area (in Ha.)            | 4.445 ha.   |                  |                  |
| 12. | Max.& Min mRL within lease area           | 222 mRL- 187 mRL  |                  |                  |
| 13. | Pillar Coordinates(Verified by DMO)       | Pillars   | Latitude (N)     | Longitude (E)    |
|     |   | A   | 25° 19'41.414"N  | 79° 58' 52.514"E |
|     |   | B   | 25° 19' 40.178"N | 79° 58' 55.326"E |
|     |   | C   | 25° 19' 39.116"N | 79° 58' 55.997"E |
|     |   | D   | 25° 19' 38.253"N | 79° 58' 58.029"E |
|     |   | E   | 25° 19' 36.003"N | 79° 58' 58.597"E |
|     |   | F   | 25° 19' 33.918"N | 79° 58' 55.567"E |
|     |   | G   | 25° 19' 34.196"N | 79° 58' 50.947"E |
|     |   | H   | 25° 19' 36.638"N | 79° 58' 48.447"E |
|     |   | I   | 25° 19' 39.012"N | 79° 58' 48.427"E |
| 14. | Total Geological Reserves                 | 4320337 m <sup>3</sup>  |                  |                  |
| 15. | Total Mineable Reserves                   | 2158918 m <sup>3</sup>  |                  |                  |
| 16. | Total Proposed Production (in five year)  | 1650000 m <sup>3</sup>  |                  |                  |

|     |   |  |                        |
|-----|---|--|------------------------|
| 17. | Proposed Production / year  | Year   | Production             |
|     |   | 1 <sup>st</sup>  | 330000 m <sup>3</sup>  |
|     |   | 2 <sup>nd</sup>  | 330000 m <sup>3</sup>  |
|     |   | 3 <sup>rd</sup>  | 330000 m <sup>3</sup>  |
|     |   | 4 <sup>th</sup>  | 330000 m <sup>3</sup>  |
|     |   | 5 <sup>th</sup>  | 330000 m <sup>3</sup>  |
|     |   | Total  | 1650000 m <sup>3</sup> |
| 18. | Sanctioned Period of Mine lease                                       | 10 Years   |                        |
| 19. | Production of mine/day  | 1100 m <sup>3</sup> (approx.)  |                        |
| 20. | Method of Mining  | Opencast Semi-Mechanized   |                        |
| 21. | No.of working days  | 300 days   |                        |
| 22. | Working hours/day   | 8 Hours/Day  |                        |
| 23. | No.Of workers   | 50 (approx.)   |                        |
| 24. | No.Of vehicle movement /day   | 110 (approx.)  |                        |
| 25. | Type of Land  | Govt. revenue land   |                        |
| 26. | Ultimate Depth of Mining  | 27 meter (average)   |                        |
| 27. | Nearest metalled road from site                                       | 0.50 km  |                        |
| 28. | Water Requirement   | PURPOSE  | REQUIREMENT (KLD)      |
|     |   | Drinking & Others  | 0.50                   |
|     |   | Suppression of dust  | 3.00                   |
|     |   | Plantation   | 0.45                   |
|     |   | Others( if any)  | -----                  |
|     |   | Total  | 3.95                   |
| 29. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P.<br>QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021 |                        |
| 30. | Any litigation pending against the project or land in any court       | No   |                        |
| 31. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Mahoba vide Letter No. 7336/MMC-30/2020-21, Dated 09/12/2020  |                        |
| 32. | Details of Lease Area in approved DSR                                 | DSR Correction Letter No.- 8438/MMC-30-Khanij (2020-21) Dated 08/03/2021, DSR Page No. 80, Sr No. 75                   |                        |
| 33. | Proposed CER cost   | 2.40 Lakh  |                        |
| 34. | Proposed EMP cost   | 14.75 Lakh   |                        |
| 35. | Length and breadth of Haul Road.                                      | Length- 0.50 km, Width- more than 6.0 m  |                        |
| 36. | No. of Trees to be Planted  | 445  |                        |

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

#### **RESOLUTION AGAINST AGENDA NO-11**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1.**

**12. Stone (Khanda, Boulder, Gitti, Bailast) Mining at Gata No.-398, Khand No.-20, Village- Makarbai, Mahoba., Shri Mohammad Mateen Khan, Area-0.809 ha. File No. 6172/Proposal No. SIA/UP/MIN/59825/2021**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining at Gata No.- 989 Khand No.- 20, Village- Makarbai, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 0.809 ha.),
2. Salient features of the project as submitted by the project proponent:

|     |   |  |                       |                  |
|-----|---|--|-----------------------|------------------|
| 1.  | On-line proposal No.                      | SIA/UP/MIN/59825/2021  |                       |                  |
| 2.  | File No. allotted by SEIAA, UP            | 6172   |                       |                  |
| 3.  | Name of Proponent                         | M/s Mateen Pahadi Pattedharak,<br>Shri Mohammad Mateen Khan<br>S/o Shri Mohammad Jameel Khan |                       |                  |
| 4.  | Full correspondence address of proponent  | R/o- Moh.- Nayapura Naikana, Tehsil & District- Mahoba, U.P.                                 |                       |                  |
| 5.  | Name of Project                           | Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project                             |                       |                  |
| 6.  | Project location (Plot/ Khasra /Gata No.) | Gata No.- 989 Khand No.- 20  |                       |                  |
| 7.  | Name of Village                           | Makarbai   |                       |                  |
| 8.  | Tehsil                                    | Mahoba   |                       |                  |
| 9.  | District                                  | Mahoba   |                       |                  |
| 10. | Name of Minor Mineral                     | Building Stone (Khanda, Boulder, Bailast (Gitti))  |                       |                  |
| 11. | Sanctioned Lease Area (in Ha.)            | 0.809 ha.  |                       |                  |
| 12. | Max.& Min mRL within lease area           | 193 mRL- 184 mRL   |                       |                  |
| 13. | Pillar Coordinates(Verified by DMO)       | Pillars  | Latitude (N)          | Longitude (E)    |
|     |   | A  | 25° 19' 58.664"N      | 79° 59' 06.032"E |
|     |   | B  | 25° 20' 1.086"N       | 79° 59' 8.056"E  |
|     |   | C  | 25° 19' 59.183"N      | 79° 59' 10.310"E |
|     |   | D  | 25° 19' 56.432"N      | 79° 59' 10.310"E |
| 14. | Total Geological Reserves                 | 598026 m <sup>3</sup>  |                       |                  |
| 15. | Total Mineable Reserves                   | 159885 m <sup>3</sup>  |                       |                  |
| 16. | Total Proposed Production (in five year)  | 150000 m <sup>3</sup>  |                       |                  |
| 17. | Proposed Production / year                | Year   | Production            |                  |
|     |   | 1 <sup>st</sup>  | 30000 m <sup>3</sup>  |                  |
|     |   | 2 <sup>nd</sup>  | 30000 m <sup>3</sup>  |                  |
|     |   | 3 <sup>rd</sup>  | 30000 m <sup>3</sup>  |                  |
|     |   | 4 <sup>th</sup>  | 30000 m <sup>3</sup>  |                  |
|     |   | 5 <sup>th</sup>  | 30000 m <sup>3</sup>  |                  |
|     |   | Total  | 150000 m <sup>3</sup> |                  |
| 18. | Sanctioned Period of Mine lease           | 10 Years   |                       |                  |
| 19. | Production of mine/day                    | 100 m <sup>3</sup> (approx.)   |                       |                  |
| 20. | Method of Mining                          | Opencast Semi-Mechanized   |                       |                  |
| 21. | No.of working days                        | 300 days   |                       |                  |
| 22. | Working hours/day                         | 8 Hours/Day  |                       |                  |
| 23. | No.Of workers                             | 35 (approx.)   |                       |                  |
| 24. | No.Of vehicle movement /day               | 10 (approx.)   |                       |                  |
| 25. | Type of Land                              | Govt. revenue land   |                       |                  |
| 26. | Ultimate Depth of Mining                  | 18 meter (average)   |                       |                  |

|     |   |  |                   |
|-----|---|--|-------------------|
| 27. | Nearest metalled road from site                                       | 0.30 km  |                   |
| 28. | Water Requirement   | PURPOSE  | REQUIREMENT (KLD) |
|     |   | Drinking & Others  | 0.35              |
|     |   | Suppression of dust  | 1.80              |
|     |   | Plantation   | 0.10              |
|     |   | Others( if any)  | -----             |
|     |   | Total  | 2.25              |
| 29. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P.<br>QCI/NABET/EIA/1821/RA0120, Validity-01/05/2021 |                   |
| 30. | Any litigation pending against the project or land in any court       | No   |                   |
| 31. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Mahoba vide Letter No. 7420/MMC-30/2020-21, Dated 16/12/2020  |                   |
| 32. | Details of Lease Area in approved DSR                                 | DSR Correction Letter No.- 8437/MMC-30-Khanij (2020-21) Dated 08/03/2021, DSR Page No. 80, Sr No. 69                   |                   |
| 33. | Proposed CER cost   | 1.35 Lakh  |                   |
| 34. | Proposed EMP cost   | 9.68 Lakh  |                   |
| 35. | Length and breadth of Haul Road.                                      | Length- 0.30 km, Width- more than 6.0 m  |                   |
| 36. | No. of Trees to be Planted  | 80   |                   |

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

#### **RESOLUTION AGAINST AGENDA NO-12**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1.**

#### **13. Sand/Morrum Mining from Yamuna River bed at Gata No.-2/2, Khand No.-02, Village-Tirghumai Gangu, Rajapur, Chitrakoot., Shri Vijay Kumar Sen., Area-23.00 Ha. File No. 6173/Proposal No. SIA/UP/MIN/60633/2021**

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:-

- The environmental clearance is sought for Sand/Morrum Mining Project at Khand No-2, Gata No-2/2 Village-Tirghumai Gangu, Tehsil- Rajapur, District- Chitrakoot, U.P. (Leased Area 23.0 Ha), M/s Mastergenie Services Pvt. Ltd.
- Salient features of the project as submitted by the project proponent:

|    |  |   |
|----|--|---|
| 1. | On Line Proposal No.                     | SIA/UP/MIN/60633/2021                               |
| 2. | File No. allotted by SEIAA, UP           | 6173  |
| 3. | Name of Proponent                        | Shri Vijay Kumar Sen                                |
| 4. | Full correspondence address of proponent | R/o House No-39 Ward No 19, Baraipura, Vidisha, M.P |

|     |   |  |              |                              |  |
|-----|---|--|--------------|------------------------------|--|
|     | and mobile no.  |  |              |                              |  |
| 5.  | Name of Project   | Sand/Morrum Mining Project M/s Mastergenie Services Pvt. Ltd. at Khand No-2 Gata No-2/2 Village-Tirghumai Gangu, Tehsil- Rajapur, District- Chitrakoot, U.P Area 23.0 Ha<br>Director- Shri Vijay Kumar Sen |              |                              |  |
| 6.  | Project Location(Plot.Khsra/Gata No.)                                 | Khand No-2 Gata No-2/2   |              |                              |  |
| 7.  | Name of Village   | Tirghumai Gangu  |              |                              |  |
| 8.  | Tehsil  | Rajapur  |              |                              |  |
| 9.  | District  | Chitrakoot   |              |                              |  |
| 10. | Name of Minor Mineral   | Sand/Morrum  |              |                              |  |
| 11. | Sanctioned Lease Area (in Ha.)  | 23.00 Ha   |              |                              |  |
| 12. | Max. & Min mRL within lease area                                      | 85.0 mRL to 79.0 mRL   |              |                              |  |
| 13. | Pillar Coordinates (Verified by DMO)                                  | Point  | Latitude     | Longitude                    |  |
|     |   | A  | 25° 30.369'N | 81° 6.618'E                  |  |
|     |   | B  | 25° 30.437'N | 81° 6.433'E                  |  |
|     |   | C  | 25° 30.784'N | 81° 6.563'E                  |  |
|     |   | D  | 25° 30.738'N | 81° 6.747'E                  |  |
| 14. | Total Geological Reserves   | 832336m <sup>3</sup> /Annum  |              |                              |  |
| 15. | Total Mineable Reserve in LOI   | 4,60,000 m <sup>3</sup> /Annum   |              |                              |  |
| 16. | Total Proposed Production in LOI                                      | 4,60,000 m <sup>3</sup> /Annum   |              |                              |  |
| 17. | Total Proposed Production in 10 Years                                 | 460000 *5=2300000 m <sup>3</sup>   |              |                              |  |
| 18. | Sanctioned Period of Mine lease                                       | 5 Years  |              |                              |  |
| 19. | Production of mine/day  | 2044 m <sup>3</sup> /Day   |              |                              |  |
| 20. | Method of Mining  | Open cast Manual/ Semi Mechanized Mining   |              |                              |  |
| 21. | No. of working days   | 225 Days   |              |                              |  |
| 22. | Working hours/day   | 8 Hours  |              |                              |  |
| 23. | No. of worker   | 80 Workers   |              |                              |  |
| 24. | No. of vehicles movement/day  | 227Trucks / Day (Depending on market demand)   |              |                              |  |
| 25. | Type of Land  | Govt. Land   |              |                              |  |
| 26. | Ultimate of Depth of Mining   | 3.0 m  |              |                              |  |
| 27. | Nearest metalled road from site                                       | 1.20Km   |              |                              |  |
| 28. | Water Requirement   | PURPOSE  |              | REQUIREMENT (KLD)            |  |
|     |   | Drinking   |              | 0.80 KLD                     |  |
|     |   | Suppression of dust  |              | 8.40 KLD                     |  |
|     |   | Plantation   |              | 3.03 KLD                     |  |
|     |   | Others (if any)  |              |                              |  |
|     |   | Total  |              | 12.23 KLD (Approx. 13.0 KLD) |  |
| 29. | Name of QCI Accredited Consultant with QCI No and period of validity. | Ind Tech House Consult QCI No.- NABET/EIA/1821/RA0098<br>Period of Validity- 30-04-2021  |              |                              |  |
| 30. | Any litigation pending against the project or land in any court       | No   |              |                              |  |
| 31. | Details of 500 m Cluster Map & Certificate verified by Mining Officer | Letter No-1587/Khanij/2020-21 Date- 31.12.2020   |              |                              |  |
| 32. | Details of Lease Area in approved DSR                                 | Page No'-55, Sr. No'-12  |              |                              |  |
| 33. | Proposed CER cost   | 2% of total project cost i.e. Rs.2.80 Lakhs  |              |                              |  |
| 34. | Proposed EMP cost   | 20.60 Lakhs  |              |                              |  |
| 35. | Length and breadth of Haul Road                                       | 700 mt Length & 6m width haulage road  |              |                              |  |
| 36. | No. of Trees to be Planted  | 759 Trees  |              |                              |  |

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

**RESOLUTION AGAINST AGENDA NO-13**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1.**

**14. Sand Mine at Gata No.-159, Village-Sitarampur, Tehsil-Harraiya, Basti.,M/s Mahakal Traders, Area-1.182 Ha. File No. 6174/Proposal No. SIA/UP/MIN/197184/2021**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for River Sand at Araj/Gata no.-159, Village-Sitarampur, Tehsil-Harraiya, District-Basti, U.P., (Leased Area-1.182 ha.), M/s Mahakal Traders.
2. Salient features of the project as submitted by the project proponent:

| 1.      | On-line proposal No.                                    | SIA/UP/MIN/197184/2020  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
|---------|---|---|---------|----------|-----------|---|---------------|---------------|----|---------------|---------------|---|---------------|---------------|---|---------------|---------------|---|---------------|---------------|
| 2.      | File No. allotted by SEIAA, UP                          | 6174  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 3.      | Name of Proponent                                       | M/s Mahakal Traders<br>(Proprietor-Shri Omkar Singh)  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 4.      | Full correspondence address of proponent and mobile no. | M/s Mahakal Traders (Proprietor-Shri Omkar Singh)<br>R/o 299Dhaurahara, Pipragautam, Tehsil- Sadar,<br>District- Basti, U.P.<br>E-mail ID-mahakaltraders5418@gmail.com  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 5.      | Name of Project   | Sand Mining (Niji Bhumi)  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 6.      | Project Location (Plot.Khasra/Gata No.)                 | Gata No. -159, Village -Sitarampur, Tehsil-Harraiya,<br>District-Basti, Uttar Pradesh   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 7.      | Name of River   | Ghagra  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 8.      | Name of Village   | Sitarampur  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 9.      | Tehsil  | Harraiya  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 10.     | District  | Basti   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 11.     | Name of Minor Mineral                                   | Sand Mining   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 12.     | Sanctioned Lease Area (in Ha.)                          | 1.182 ha.   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 13.     | Max. & Min mRL within lease area                        | Highest mRL is 90 & Lowest Is 89 mRL  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 14.     | Pillar Coordinates (Verified by DMO)                    | <table><tr><th>Pillars</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>26°47'08.41"N</td><td>82°15'14.63"E</td></tr><tr><td>A1</td><td>26°47'11.33"N</td><td>82°15'14.17"E</td></tr><tr><td>B</td><td>26°47'14.78"N</td><td>82°15'15.78"E</td></tr><tr><td>C</td><td>26°47'13.21"N</td><td>82°15'18.96"E</td></tr><tr><td>D</td><td>26°47'08.67"N</td><td>82°15'17.92"E</td></tr></table> | Pillars | Latitude | Longitude | A | 26°47'08.41"N | 82°15'14.63"E | A1 | 26°47'11.33"N | 82°15'14.17"E | B | 26°47'14.78"N | 82°15'15.78"E | C | 26°47'13.21"N | 82°15'18.96"E | D | 26°47'08.67"N | 82°15'17.92"E |
| Pillars | Latitude  | Longitude   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| A       | 26°47'08.41"N   | 82°15'14.63"E   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| A1      | 26°47'11.33"N   | 82°15'14.17"E   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| B       | 26°47'14.78"N   | 82°15'15.78"E   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| C       | 26°47'13.21"N   | 82°15'18.96"E   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| D       | 26°47'08.67"N   | 82°15'17.92"E   |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 15.     | Total Geological Reserves                               | 29550 m <sup>3</sup>  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |
| 16.     | Total Mineable Reserve in LOI/Mine Plan                 | 29550 m <sup>3</sup>  |         |          |           |   |               |               |    |               |               |   |               |               |   |               |               |   |               |               |

|     |   |  |                   |
|-----|---|--|-------------------|
| 17. | Total Proposed Production   | 29550 m <sup>3</sup>   |                   |
| 18. | Proposed Production /year   | 29550 m <sup>3</sup>   |                   |
| 19. | Sanctioned Period of Mine lease                                       | 1.182 ha..   |                   |
| 20. | Production of mine/day  | 164 m <sup>3</sup> /day  |                   |
| 21. | Method of Mining  | Opencast, Semi-Mechanized  |                   |
| 22. | No. of working days   | 180  |                   |
| 23. | Working hours/day   | 8  |                   |
| 24. | No. of worker   | 07   |                   |
| 25. | No. of vehicles movement/day  | 13   |                   |
| 26. | Type of Land  | private land   |                   |
| 27. | Ultimate of Depth of Mining   | 2.5m   |                   |
| 28. | Nearest metalled road from site                                       | 1000m  |                   |
| 29. | Water Requirement   | PURPOSE  | REQUIREMENT (KLD) |
|     |   | Drinking   | 0.21 KLD          |
|     |   | Suppression of dust  | 4.0 KLD           |
|     |   | Plantation   | 0.5 KLD           |
|     |   | Others (if any)  | -                 |
|     |   | Total  | 4.71 KLD          |
| 30. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Globus environment engineering services<br>SL. NO. 78, VALID TILL 03/04/2021 |                   |
| 31. | Any litigation pending against the project or land in any court       | No   |                   |
| 32. | Details of 500 m Cluster Certificate verified by Mining Officer       | vide letter no. 176/khanan shayak/cluster pramanpatr/20-21 dated 27/11/2020      |                   |
| 33. | Details of Lease Area in approved DSR                                 | 1.182 ha..   |                   |
| 34. | Proposed CER cost   | 0.5 lakh   |                   |
| 35. | Proposed EMP cost   | Total project cost-25 lakh   |                   |
| 36. | Length and breadth of Haul Road                                       | 1000m & 6m   |                   |
| 37. | No. of Trees to be Planted  | 50   |                   |

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

#### **RESOLUTION AGAINST AGENDA NO-14**

**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 & 3 to these minutes regarding mining project.**

1. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
2. Environment management in according to environmental status and impact of the project.
3. Selection of plants for green belt should be on the basis of pollution removal index.
4. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
5. Pakka motorable haul road to be maintained by the project proponent.
6. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

7. Permission from the competent authority regarding evacuation route should be taken.
8. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
9. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
13. Provide suitable mask to the workers.
14. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
15. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
16. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
17. Provision for two toilets and hand pumps should be made at mining site.
18. Drinking water for workers would be provided by tankers.
19. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
20. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
21. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
22. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
23. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
24. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
25. Width of the haul road shall be more than 6 meter.
26. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.

**15. Group Housing "SKA Orion" at Plot No.-GH-01/A2, Sector- 143, Noida., Shri Sanjay Sharma, M/s Provence Developer Pvt. Ltd. File No. 6120/Proposal No. SIA/UP/MIS/192361/2021**

The committee noted that the matter was earlier discussed in 526<sup>th</sup> SEAC meeting dated 23/02/2021 and directed the project proponent to submit following information:

1. Project proponent should provide additional wide entry and exit gate.
2. Capacity of STP should be increased from 200 KLD to 220 KLD.



3. Provision for disinfectant chemicals in STP.
4. Swimming pool, Community hall/club for old age persons should also be provided in EWS section.
5. Site photographs with date, time and co-ordinates.
6. Quantification of solid waste should be mentioned in the flow chart of the presentation.
7. Slide no. 13 is to be modified.

The project proponent submitted their replies vide letter dated 12/03/2021. A presentation was made by the project proponent along with their consultant M/s Environmental and Technical Research Centre. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The Environment clearance is sought for Group Housing Project "SKA Orion" at Plot No.-GH-01/A2, Sector- 143, Noida, U.P., M/s Provence Developer Pvt. Ltd.
2. Salient features of the project:

|  |  |
|--|--|
| Name and Location of the Project                   | Group Housing project "SKA ORION" at Plot no.-GH -01/A2, Sector-143B, Noida, Distt. - Gautam Buddha Nagar (U.P). |
| Developers of the project                          | M/s Provence Developers Private Limited  |
| Total Plot Area                                    | 13457.92 sq. m. (1.345792 Hectares approx)   |
| Built-up Area                                      | 87266.136 sq. m  |
| Fresh Water Requirement                            | 157 KLD (Source – Municipal Supply)  |
| Power Requirement                                  | 1750 KVA   |
| Power Backup                                       | 2 nos. of DG sets of total capacity 1000 KVA (500 KVA X 02 )   |
| Total Parking Proposed                             | Parking Proposed – 742 ECS   |
| Solid Waste to be Generated                        | Approx 1165 Kg/Day<br>Horticulture Waste : 18.0 kg /Day  |
| Total Project Cost                                 | 180 Crores   |
| Solar Lights                                       | Basement lighting will be done through solar lighting system.  |
| Ready mix concrete plant during construction phase | 30 Cubic meter / hour  |

3. Area details of the project:

| S. No. | Particulars   | Area (in sq.m) |
|--------|---|----------------|
| 1.     | Total Plot Area   | 13457.92       |
| 2.     | Permissible Ground Coverage (35 % of the plot area)               | 4710.272       |
| 3.     | Proposed Ground Coverage (30.9 % of the plot area)                | 4166.73        |
| 4.     | Open Area   | 9291.19        |
| 5.     | Proposed Basement Area  | 22802.366      |
|        | Upper Basement  | 10526.243      |
|        | Lower basement  | 10526.243      |
|        | Stilt   | 1749.88        |
| 6a.    | Permissible Basic FAR (@ 4.0 (including purchase + basic + metro) | 53831.68       |
| 6b.    | Permissible FAR (Green Building @ 5 % of the FAR, 0.2 )           | 2691.58        |
| 7.     | Proposed FAR (@ 4.199 )   | 56520.20       |
| 8.     | Proposed Non FAR  | 22802.366      |
| 9.     | Proposed 15% prescribed FAR                                       | 7943.57        |
| 10.    | Proposed Total Built Up Area                                      | 87266.136      |
| 11.    | Required Green Area (@ 50 % of Open Area )                        | 4645.595       |
| 12.    | Proposed Green Area ( 50.85 % of Open Area)                       | 4725.248       |
| 12.    | Maximum height of the building (in mtrs)                          | 106 m          |
| 13.    | Permissible Dwelling unit   | 518            |
| 14.    | Proposed Dwelling unit  | 508            |

4. Land use details:

| Sr No | Particulars | Area (Sqm) | % of Total Plot |
|-------|-------------|------------|-----------------|
|-------|-------------|------------|-----------------|

|                 |                           |          |       |
|-----------------|---------------------------|----------|-------|
| 01              | Covered Area              | 4166.73  | 30.97 |
| 02              | Road, Paved and Open Area | 4565.94  | 33.92 |
| 03              | Landscape Area            | 4725.25  | 35.11 |
| Total Land Area |                           | 13457.92 | 100 % |

**5. Water calculation details:**

|   |  |
|---|--|
| Total Domestic Water Requirement                                | 212.0 KLD  |
| Fresh water   | 157.0 KLD  |
| Flushing water  | 50.0 KLD   |
| Horticulture / Landscape  | 5.0 KLD  |
| Waste Water Generated (@ 80% fresh water + 100% flushing water) | 177.0 KLD  |
| Sewage Treatment Plant (STP) Capacity                           | 220 KLD<br>(20 % of extra capacity as per MOEF & CC Norms) |

**6. Waste water details:**

| SOURCE  | MANAGEMENT / MITIGATIVE MEASURES   |
|---|--|
| <b>A) DURING CONSTRUCTION PHASE</b>   |  |
| 1. Source: Treated water from CSTP<br>2. Approx. Water Demand: 70 KL<br>3. Waste water Generation: 10 KLD   | The site drainage is planned in such a way that there is no accumulation of wastewater within the project premises or in the vicinity of the site.<br>2. Mobile type sulabh shauchalayas to be provided for construction laborers. |
| <b>B) DURING OPERATION PHASE</b>  |  |
| Source: Municipal Water Supply<br>Total Water Demand = 212 KLD<br>Domestic water = 157 KLD<br>Horticulture = 5.0 KLD<br>Wastewater Generation = 177 KLD | 1. STP of 220 KLD is proposed to treat wastewater.<br>2. Treated sewage to be used for Horticulture, DG cooling & flushing.<br>3. Use of Water efficient fixtures to conserve water.   |

**7. Parking details:**

| AREA  | PARKING DETAILS |     |     |
|---|-----------------|-----|-----|
| UPPER BASEMENT  | =               | 285 | ECS |
| LOWER BASEMENT  | =               | 285 | ECS |
| STILT PARKING   | =               | 58  | ECS |
| MECHANICAL PARKING IN UPPER BASEMENT                      | =               | 57  | ECS |
| MECHANICAL PARKING IN LOWER BASEMENT                      | =               | 57  | ECS |
| PROPOSED TOTAL NO.OF PARKING SPACE(ECS) FOR GROUP HOUSING | =               | 742 | ECS |

**8. Solid waste generation details:**

| Solid Waste Generation Calculation   |                    |   |                  |            |                        |
|--|--------------------|---|------------------|------------|------------------------|
| S.No.  | Particulars        | Waste generation Norms per unit (kg/capita/day) | Population (sqm) | Area (sqm) | Waste Generated Kg/Day |
| 1  | Residential        | 0.5   | 2286             |            | 1143                   |
| 3  | *Community Centre  | 0.1   | 165              | 1051.16    | 16.5                   |
| 5  | *Commercial        | 0.1   | 55               | 472.48     | 5.5                    |
| Total Municipal Waste  |                    |   |                  |            | 1165                   |
| * Solid Waste Generation has been calculated as per as per NBC 2016        |                    |   |                  |            |                        |
| Horticulture Waste Generation Calculation                                  |                    |   |                  |            |                        |
| S.No.  | Particulars        | Waste generation Norms per unit (Kg/sq m/day)   |                  | Area (sqm) | Waste Generated Kg/Day |
| 1  | Horticulture Waste | 0.0037  |                  | 4725.248   | 18                     |
| * Horticulture Waste Generation has been calculated as per as per NBC 2016 |                    |   |                  |            |                        |

| Electronic Waste Generation Calculation   |             |  |            |  |                        |
|---|-------------|--|------------|--|------------------------|
| S.No.   | Particulars | Waste generation Norms per unit (Kg/capita/year) | Population |  | Waste Generated Kg/Day |
| 1   | E- Waste    | 0.15   | 2506       |  | 1.03                   |
| * E- Waste Generation has been calculated as per E waste management rules 2016. |             |  |            |  |                        |

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

### **RESOLUTION AGAINST AGENDA NO-15**

**The committee discussed the matter and recommended to grant the environmental clearance for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:**

1. Swimming pool, Community hall/club for old age persons should also be provided in EWS section.
2. 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.
3. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
4. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
5. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
6. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
7. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
8. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
9. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
10. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
11. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
12. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
13. 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.
14. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
15. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation

- with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
16. 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.
  17. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
  18. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
  19. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
  20. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
  21. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
  22. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
  23. 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 of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
  24. No parking shall be allowed outside the project boundary.
  25. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
  26. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
  27. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
  28. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  29. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
  30. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
  31. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green

area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

32. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
33. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
34. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
35. All the internal drains are to be covered till the disposal point.
36. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
37. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

**16. Construction of at Pocket-1, Land Developer and GrahthanYojna (Ajantapuram), Loni Road, Ghaziabad., Shri Devendra Bhandari, M/s Shri Rama Krishna Sehkari Awas Samiti Ltd. File No. 6125/Proposal No. SIA/UP/MIS/192680/2021**

The committee noted that the matter was earlier discussed in 526<sup>th</sup> SEAC meeting dated 23/02/2021 and directed the project proponent to submit following information:

1. Project proponent should provide additional wide entry and exit gate.
2. Capacity of STP should be increased from 200 KLD to 220 KLD.
3. Provision for disinfectant chemicals in STP.
4. Swimming pool, Community hall/club for old age persons should also be provided in EWS section.
5. Site photographs with date, time and co-ordinates.
6. Quantification of solid waste should be mentioned in the flow chart of the presentation.
7. OWC is to be provided.

The project proponent submitted their replies vide letter dated 12/03/2021. A presentation was made by project proponent along with their consultant M/s Environmental and Technical Research Centre. The proponent, through the documents submitted and the presentation made, informed the committee that:-

9. The Environment clearance is sought for Construction of Group Housing Project at Pocket-1, Land Developer and GrahthanYojna (Ajantapuram), Loni Road, Ghaziabad, U.P., Shri Devendra Bhandari, M/s Shri Rama Krishna Sehkari Awas Samiti Ltd.

10. Salient features of the project:

|                                  |  |
|----------------------------------|--|
| Name and Location of the Project | Construction of Proposed Project at Pocket-1 Land Development & Grahthan Yojna (Ajantapuram) Loni Road District Ghaziabad (U.P.) |
| Developers of the project        | M/s Shri Rama Krishna Samiti Limited   |
| Total Plot Area                  | 38,955.87 m <sup>2</sup> . (3.8955 Ha)   |
| Built-up Area                    | 72,532.17 sq. m  |
| Fresh Water Requirement          | 149 KLD  |
| Power Requirement                | 2380 KVA   |
| Power Backup                     | 2 nos. of DG sets of capacity 1250 KVA   |
| Total Parking Proposed           | Scooter Parking Area : 540 sqm (270 Scooter for residential area).<br>ECS provided : 363 ECS (for commercial area)               |
| Solid Waste to be Generated      | Municipal Waste : 1185 Kg/day  |

|                    |   |
|--------------------|---|
|                    | Horticulture Waste : 11 kg /Day                               |
| Total Project Cost | INR 104 Crores  |
| Solar Lights       | Basement lighting will be done through solar lighting system. |

**11. Area details of the project:**

| S. No. | Particulars  | Area (in sq.m)   |
|--------|--|--|
| 1.     | Total Plot Area  | 38,955.87  |
| 2.     | Permissible Ground Coverage (50 % of the plot area)  | 19,477.93  |
| 3.     | Proposed Ground Coverage (45.82 % of the plot area)  | 17853.33   |
| 4.     | Open Area  | 21102.54   |
| 5.     | Proposed Ground Coverage Breakup : -<br><ul style="list-style-type: none"> <li>Commercial (Pocket – 1)</li> <li>Commercial / Residential Area</li> <li>Electric Substation &amp; guard room</li> <li>Kiosk Area</li> <li>Plotted Area</li> </ul> | 17853.33<br>9526.55<br>927.44<br>50.00<br>37.50<br>7311.84 |
| 6.     | Permissible Basic FAR  | 136345.54  |
| 7.     | Proposed total FAR<br><ul style="list-style-type: none"> <li>Commercial Area (FAR)</li> <li>Residential Area (FAR)</li> </ul>  | 51703.37<br>20935.25<br>30768.12                           |
| 8.     | Proposed Non FAR   | 15658.80   |
| 9.     | 5 % Prescribed FAR   | 2585.0   |
| 10.    | 5 % Service FAR  | 2585.0   |
| 11.    | Proposed Total Built Up Area   | 72,532.17  |
| 12.    | Required Green Area and open area (@ 50 % of Plot Area)  | 19477.935  |
| 13.    | Proposed Green Area and open area ( 59.14 % of Plot Area)  | 19478.00   |
| 14.    | Maximum height of the building (in mts)  | 45.0   |
| 15.    | Proposed Dwelling unit   | 456  |

**12. Water calculation details:**

|  |  |
|--|--|
| Domestic Water Requirement   | 216 KLD  |
| <ul style="list-style-type: none"> <li>Fresh water</li> </ul>              | 149 KLD  |
| <ul style="list-style-type: none"> <li>Flushing water</li> </ul>           | 64 KLD   |
| <ul style="list-style-type: none"> <li>Horticulture / Landscape</li> </ul> | 3 KLD  |
| Waste Water Generated<br>(@ 80 % of total water demand )                   | 170 KLD  |
| STP Capacity   | 200 KLD<br>(Approx 20 % of extra capacity as per MOEF Norms) |

**13. Waste water details:**

| SOURCE  | MANAGEMENT / MITIGATIVE MEASURES   |
|---|--|
| <b>A) DURING CONSTRUCTION PHASE</b>   |  |
| 1. Source: Treated water from STP<br>2. Approx. Water Demand: 75 KL<br>3. Wastewater Generation: 12 KLD   | The site drainage is planned in such a way that there is no accumulation of wastewater within the project premises or in the vicinity of the site.<br>2. Mobile type sulabh shauchalayas to be provided for construction laborers. |
| <b>B) DURING OPERATION PHASE</b>  |  |
| Source: Water Supply from Ghaziabad Development Authority.<br>Total Water Demand = 216 KLD<br>Domestic water = 213 KLD<br>Horticulture = 3 KLD<br>Wastewater Generation = 170 KLD | 1. STP of 200 KLD is proposed to treat wastewater.<br>2. Treated sewage to be used for Horticulture, DG cooling & flushing.<br>3. Use of Water efficient fixtures to conserve water.   |

14. Total Parking proposed for the project is 363 ECS.

15. Solid waste generation details:

| MUNICIPAL SOLID WASTE GENERATION   |                    |                       |                           |            |            |   |                        |
|--|--------------------|-----------------------|---------------------------|------------|------------|---|------------------------|
| S No.  | Description        | No. of Dwelling Units | Population criteria resp. | Area       | Population | Waste generation Norms per unit               | Total Waste generated  |
|  |                    |                       |                           | (Sq M)     | (Persons)  | (kg/capita /day)                              | Kg/day                 |
| A-Residential  |                    |                       |                           |            |            |   |                        |
| 1  | One Room Unit      | 270                   | 5.0                       | 9036       | 1350       | 0.50  | 675                    |
|  | Sub-total(A)       |                       |                           |            | 1350       |   | 675                    |
| B- Commercial  |                    |                       |                           |            |            |   |                        |
| 2  | Commercial         |                       | 4.1                       | 20935.25   | 5100       | 0.10  | 510                    |
|  | Sub -Total(B)      |                       |                           |            | 5100       | 0.10  | 510                    |
|  | Sub - Total (A+B)  |                       |                           |            | 6450       | 1185  |                        |
| * Solid Waste Generation has been calculated and considered as per NBC 2016    |                    |                       |                           |            |            |   |                        |
| Horticulture Waste Generation Calculation                                      |                    |                       |                           |            |            |   |                        |
| S.No.  | Particulars        |                       |                           | Area (sqm) |            | Waste generation Norms per unit (Kg/sq m/day) | Waste Generated Kg/Day |
| 1  | Horticulture Waste |                       |                           | 3076.84    |            | 0.0037  | 11                     |
| Electronic Waste Generation Calculation  |                    |                       |                           |            |            |   |                        |
| S.No.  | Particulars        |                       |                           |            | Population | Waste generation Norms per unit               | Waste Generated        |
| 1  | E- Waste           |                       |                           |            | 6450       | 0.15  | 3                      |
| * E- Waste Generation has been calculated as per E waste Management Rules 2016 |                    |                       |                           |            |            |   |                        |

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

### **RESOLUTION AGAINST AGENDA NO-16**

**The committee discussed the matter and recommended to grant the environmental clearance for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:**

1. Swimming pool, Community hall/club for old age persons should also be provided in EWS section.
2. 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.
3. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
4. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
5. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.

6. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
7. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
8. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
9. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
10. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
11. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
12. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
13. 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.
14. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
15. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
16. 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.
17. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
18. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
19. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
20. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
21. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
22. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
23. 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 of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
24. No parking shall be allowed outside the project boundary.
25. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil



excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.

26. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
27. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
28. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
29. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
30. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
31. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
32. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
33. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
34. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
35. All the internal drains are to be covered till the disposal point.
36. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
37. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

**17. Construction of project at Pocket-2, Land Developer and Grahsthan Yojna (Ajantapuram), Loni Road, Ghaziabad., Shri Devendra Bhandari, M/s Shri Rama Krishna Sehkari Awas Samiti Ltd. File No. 6126/Proposal No. SIA/UP/MIS/192527/2021**

The committee noted that the matter was earlier discussed in 526<sup>th</sup> SEAC meeting dated 23/02/2021 and directed the project proponent to submit following information:

1. Project proponent should provide additional wide entry and exit gate.
2. Capacity of STP should be increased from 200 KLD to 220 KLD.
3. Provision for disinfectant chemicals in STP.
4. Swimming pool, Community hall/club for old age persons should also be provided in EWS section.
5. Site photographs with date, time and co-ordinates.

6. Quantification of solid waste should be mentioned in the flow chart of the presentation.
7. OWC should be provided.
8. EMP should be revised.
9. Baseline data should be provided.
10. Details of soft green area should be provided.

The project proponent submitted their replies vide letter dated 12/03/2021. A presentation was made by project proponent along with their consultant M/s Environmental and Technical Research Centre. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The Environment clearance is sought for Construction of Group Housing Project at Pocket-2, Land Developer and Grahthan Yojna (Ajantapuram), Loni Road, Ghaziabad, U.P., M/s Shri Rama Krishna Sehkari Awas Samiti Ltd.
2. Salient features of the project:

|                                  |  |
|----------------------------------|--|
| Name and Location of the Project | Construction of Proposed Project at Pocket-2 Land Development & Grahthan Yojna (Ajantapuram) Loni Road District Ghaziabad (U.P.) |
| Developers of the project        | M/s Shri Rama Krishna Sehkari Awas Samiti Limited  |
| Total Plot Area                  | 7652.18 Sq. m. (1.89 Acres)  |
| Built-up Area                    | 28,750.89 sq. m  |
| Fresh Water Requirement          | 254 KLD  |
| Power Requirement                | 1298 KVA   |
| Power Backup                     | 1 nos. of DG sets of total capacity 1250 KVA   |
| Total Parking Proposed           | Parking Proposed –21 ECS<br>For scooter parking 1500 sqm area provided in stilt and open   |
| Solid Waste to be Generated      | Approx. 1.924 Tons/day<br>Horticulture Waste : 7.0 kg /Day   |
| Total Project Cost               | INR 44 Crores  |
| Solar Lights                     | Provision of solar lights to common area and landscape area  |

3. Area details of the project:

| S. No. | Particulars  | Area (in sq.m) |
|--------|--|----------------|
| 1.     | Total Plot Area                                      | 7652.18        |
| 2.     | Permissible Ground Coverage (50 % of the plot area)  | 3826.09        |
| 3.     | Proposed Ground Coverage (28.732 % of the plot area) | 2171.14        |
| 4.     | Open Area  | 5481.04        |
| 5.     | Proposed Ground Coverage                             | 2171.14        |
|        | • EWS Area   | 1591.07        |
|        | • Nursury / Primary /Aganwadi Area                   | 530.07         |
|        | • Electric substation & Guard Room                   | 50.00          |
| 6.     | Permissible Basic FAR                                | 26782.63       |
| 7.     | Proposed FAR   | 25652.89       |
| 8.     | Proposed Non FAR                                     | 3098.00        |
| 9.     | 5 % service FAR                                      | 492.65         |
| 10.    | Proposed Total Built Up Area                         | 28750.89       |
| 11.    | Required Green Area (@ 10 % of Plot Size)            | 765.2          |
| 12.    | Proposed Green Area ( 23.97 % of Plot Size)          | 1834.74        |
| 12.    | Maximum height of the building (in mtrs)             | 49 m           |
| 13.    | Proposed Dwelling unit                               | 750            |

4. Water calculation details:

|                            |         |
|----------------------------|---------|
| Domestic Water Requirement | 342 KLD |
| • Fresh water              | 254 KLD |
| • Flushing water           | 86 KLD  |
| • Horticulture / Landscape | 2 KLD   |

|  |   |
|--|---|
| Waste Water Generated<br>(@ 80 % of total water demand ) | 272 KLD   |
| STP Capacity   | 320 KLD<br>(Approx. 20 % of extra capacity as per MOEF Norms) |

5. Waste water details:

| SOURCE  | MANAGEMENT / MITIGATIVE MEASURES  |
|---|---|
| <b>A) DURING CONSTRUCTION PHASE</b>   |   |
| 1. Source: Treated water from STP<br>2. Approx. Water Demand: 70 KL<br>3. Wastewater Generation: 8 KLD  | 1. The site drainage is planned in such a way that there is no accumulation of wastewater within the project premises or in the vicinity of the site.<br>2. Mobile type sulabh shauchalayas to be provided for construction laborers. |
| <b>B) DURING OPERATION PHASE</b>  |   |
| Source: Ghaziabad Development Authority.<br>Total Water Demand = 342 KLD<br>Domestic water = 340 KLD<br>Horticulture = 2 KLD<br>Wastewater Generation = 272 KLD | 1. STP of 320 KLD is proposed to treat wastewater.<br>2. Treated sewage to be used for Horticulture, DG cooling & flushing.<br>3. Use of Water efficient fixtures to conserve water.  |

6. Total Parking proposed for the project is 363 ECS.

7. Solid waste generation details:

| MUNICIPAL SOLID WASTE   |                    |                       |                           |            |            |   |                        |
|---|--------------------|-----------------------|---------------------------|------------|------------|---|------------------------|
| S No.   | Description        | No. of Dwelling Units | Population criteria resp. | Area       | Population | Waste generation Norms per unit               | Total Waste generated  |
|   |                    |                       |                           | (Sq M)     | (Persons)  | (kg/capita /day)                              | Kg/day                 |
| A-Residential   |                    |                       |                           |            |            |   |                        |
| 1   | EWS                | 750                   | 5.0                       | 23504      | 3750       | 0.50  | 1875                   |
|   | Sub-total(A)       |                       |                           |            | 3750       |   | 1875                   |
| B- School   |                    |                       |                           |            |            |   |                        |
| 2   | SCHOOL             |                       | 4.1                       | 1999       | 490        | 0.10  | 49                     |
|   | Sub -Total(B)      |                       |                           |            | 490        | 0.10  | 49                     |
| 16  | Sub - Total (A+B)  |                       |                           |            | 4240       | 1924  |                        |
| * Solid Waste Generation has been calculated and considered as per NBC 2016 |                    |                       |                           |            |            |   |                        |
| Horticulture Waste Generation Calculation                                   |                    |                       |                           |            |            |   |                        |
| S.No.   | Particulars        |                       |                           | Area (sqm) |            | Waste generation Norms per unit (Kg/sq m/day) | Waste Generated Kg/Day |
| 1   | Horticulture Waste |                       |                           | 1834.74    |            | 0.0037  | 7                      |
| * Horticulture Waste Generation has been calculated as per MSW Rule 2016    |                    |                       |                           |            |            |   |                        |
| Electronic Waste Generation Calculation                                     |                    |                       |                           |            |            |   |                        |
| S.No.   | Particulars        |                       |                           |            | Population | Waste generation Norms per unit               | Waste Generated        |
| 1   | E- Waste           |                       |                           |            | 4240       | 0.15  | 2                      |
| * E- Waste Generation has been calculated as per MSW Rule 2016              |                    |                       |                           |            |            |   |                        |

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

**RESOLUTION AGAINST AGENDA NO-17**

The committee discussed the matter and recommended to grant the environmental clearance for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. Swimming pool, Community hall/club for old age persons should also be provided in EWS section.
2. 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.
3. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
4. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
5. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
6. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
7. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
8. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
9. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
10. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
11. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
12. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
13. 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.
14. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
15. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
16. 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.
17. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.

18. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
19. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
20. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
21. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
22. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
23. 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 of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
24. No parking shall be allowed outside the project boundary.
25. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
26. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
27. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
28. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
29. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
30. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
31. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

32. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
33. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
34. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
35. All the internal drains are to be covered till the disposal point.
36. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
37. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

**18. Transfer of Environment Clearance for Sand Mining Khand No.- Gha (Block 20, Gata No.- Gha), Village-Ratanpura, Tehsil-Gola, Gorakhpur, U.P., Area 5.0 ha.**

The committee noted that under para-11 of EIA Notification, 2006 mentioned as below:

“A prior environmental clearance granted for a specific project or activity to an applicant may be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor, or by the transferee with a written “no objection” by the transferor, to, and by the regulatory authority concerned, on the same terms and conditions under which the prior environmental clearance was initially granted, and for the same validity period. **No reference to the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned is necessary in such cases.”**

Hence, no action is required at SEAC level.

**(Dr. Virendra Misra)**  
**Member**

**(Dr. Pramod Kumar Mishra)**  
**Member**

**(Dr. Ranjeet Kumar Dalela)**  
**Member**

**(Shri Meraj Uddin)**  
**Member**

**(Dr. Ajoy Kumar Mandal)**  
**Member**

**(Dr. Sarita Sinha)**  
**Member**

**(Shri Rajive Kumar)**  
**Member**

**(Dr. S.N. Singh)**  
**Chairman**

**Annexure-1**

**Terms of Reference for the Mining Project**

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

this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

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



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

allocations.

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

Annexure-2

**GENERAL CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP FOR SAND/MORUM  
MINING PROPOSALS**

**General Conditions:**

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

projects/tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.

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

35. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.
36. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
37. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
38. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
39. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
40. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).
41. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
42. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZilaParishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
43. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
44. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
45. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
46. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
47. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

**Annexure-3**

**Specific Conditions for Sand Moram Mining :-**

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. Project falling within in 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
5. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 05ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
9. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
15. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS))].

16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
19. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
20. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
21. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
22. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
23. Solid waste material viz., gutkhapouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
24. Green area/belt to be developed along haulage road in consultation of Gram Sabha/Panchyat.
25. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
26. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P. and UPPCB.
27. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
28. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.
29. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
30. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
31. 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.
32. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
33. Waste water from potable use be collected and reused for sprinkling.
34. During the school opening and closing time vehicle movement will be restricted.
35. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.