

### **Minutes of 553<sup>rd</sup> SEAC Meeting Dated 29/07/2021**

The 553<sup>rd</sup> meeting of SEAC-2 was held in hybrid (physical and virtual) through video conferencing in view of the Corona Virus Disease (Covid-19) on 09/07/2021. Following members participated in the meeting:

- |    |                             |                             |
|----|-----------------------------|-----------------------------|
| 1. | Dr. Harikesh Bahadur Singh, | Chairman, SEAC-2            |
| 2. | Dr. Amrit Lal Haldar,       | Member, SEAC-2 (through VC) |
| 3. | Dr. Dineshwar Prasad Singh, | Member, SEAC-2 (through VC) |
| 4. | Shri Tanzar Ullah Khan,     | Member, SEAC-2              |
| 5. | Prof. Jaswant Singh,        | Member, SEAC-2              |
| 6. | Dr. Shiv Om Singh,          | Member, SEAC-2              |
| 7. | Director, Environment,      | Member Secretary, SEAC-2    |

The Chairman welcomed the members to the 553<sup>rd</sup> SEAC meeting which was conducted online. The SEAC-2 unanimously took following decisions on the agenda points discussed in meeting :

1. **Stone (Sand Stone) Mine at Gata No./Araji No./Plot No.-428, at Village-Dhuria, Tehsil-Chunar, Mirzapur., Shri Chhatrabali Singh., Area -0.909 ha. File No. 5077/Proposal No. SIA/UP/MIN/43238/2019**

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

The project proponent/consultant vide letter dated 29/07/2021 informed that due to QCI (NABET) audit of their organization (26<sup>th</sup> – 29<sup>th</sup> July, 2021) they are unable to appear before the committee and requested to take up the project proposal in the next meeting i.e. 554<sup>th</sup> SEAC meeting dated 30/07/2021. The committee directed the Secretariat to put up the matter on 545<sup>th</sup> SEAC meeting dated 30/07/2021.

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

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The committee discussed the matter and directed the project proponent to submit following information:

1. Singrauli Action Plan (CEPI) as defined by CPCB which includes the area of Uttar Pradesh and Madhya Pradesh. The committee directed the Project proponent to submit the status of proposed site with reference to aforesaid Singrauli Action Plan (CEPI) along with certified map with geo-coordinates from the competent authority.

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

**3. Stone (Khanda, Boulder & (Gitti) Bailast) Mining at Gata No.- 688/4, Khand No.22, Village-Goramachhiya, Tehsil-Sadar, Jhansi., Area-4.046 ha. File No. 6243/Proposal No. SIA/UP/MIN/62092/2021**

The committee noted that the matter was earlier discussed in 539<sup>th</sup> SEAC meeting dated 13/04/2021 and directed as follows:

“A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The committee discussed the matter and observed that there is a geo-coordinates mismatch between lease map and form-1 submitted by the project proponent. The committee directed the project proponent to submit corrected documents of the project.”

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

1. The terms of reference is sought for Gitti-Ballast Khanda- Boulder Building Stone Mining Project Deepak Kumar Agarwal At Khand No-22, Gata-688/4, Village- Goramachhiya, Tehsil- Sadar, District- Jhansi, U.P. (Leased Area : 4.046 Ha).
2. Salient features of the project as submitted by the project proponent:

|     |   |   |               |               |
|-----|---|---|---------------|---------------|
| 1.  | On Line Proposal No.                                    | SIA/UP/MIN/62092/2021   |               |               |
| 2.  | File No. allotted by SEIAA, UP                          | 6243  |               |               |
| 3.  | Name of Proponent                                       | Shri Deepak Kumar Agarwal   |               |               |
| 4.  | Full correspondence address of proponent and mobile no. | 1551/1 Gwaltoli, Civil Lines, Jhansi U.P  |               |               |
| 5.  | Name of Project   | Gitti-Ballast Khanda- Boulder Building Stone Mining Project Deepak Kumar Agarwal At Khand No'-22, Gata-688/4, Village- Goramachhiya, Tehsil- Sadar, District- Jhansi, U.P. Area: 4.046 Ha |               |               |
| 6.  | Project Location(Plot.Khsra/Gata No.)                   | Khand No'-22, Gata-688/4  |               |               |
| 7.  | Name of Village   | Goramachhiya  |               |               |
| 8.  | Tehsil  | Sadar   |               |               |
| 9.  | District  | Jhansi  |               |               |
| 10. | Name of Minor Mineral                                   | Gitti-Ballast Khanda- Boulder Building Stone  |               |               |
| 11. | Sanctioned Lease Area (in Ha.)                          | 4.046 Ha  |               |               |
| 12. | Max. & Min mRL within lease area                        | 220.0 mRL to 214.0 mRL  |               |               |
| 13. | Pillar Coordinates (Verified by DMO)                    | Point   | Lattitude     | Longitude     |
|     |   | A   | 25°27'31.30"N | 78°40'31.57"E |
|     |   | B   | 25°27'32.87"N | 78°40'34.09"E |
|     |   | C   | 25°27'30.06"N | 78°40'35.09"E |
|     |   | D   | 25°27'28.82"N | 78°40'35.87"E |
|     |   | E   | 25°27'20.22"N | 78°40'34.34"E |
|     |   | F   | 25°27'21.49"N | 78°40'32.64"E |
|     |   | G   | 25°27'22.04"N | 78°40'30.55"E |
| 14. | Total Geological Reserves                               | 1188184 m <sup>3</sup> /Annum   |               |               |
| 15. | Total Mineable Reserve in LOI                           | 101136 m <sup>3</sup> /Annum  |               |               |
| 16. | Total Proposed Production in LOI                        | 101136 m <sup>3</sup> /Annum  |               |               |
| 17. | Total Proposed Production in 20 Years                   | 101136*20 =2022720 m <sup>3</sup>   |               |               |
| 18. | Sanctioned Period of Mine lease                         | 20 Years  |               |               |

|     |   |   |                             |
|-----|---|---|-----------------------------|
| 19. | Production of mine/day  | 337 m <sup>3</sup> /Day   |                             |
| 20. | Method of Mining  | Open cast Manual/ Semi Mechanized Mining                            |                             |
| 21. | No. of working days   | 300 Days  |                             |
| 22. | Working hours/day   | 8 Hours   |                             |
| 23. | No. of worker   | 28 Workers  |                             |
| 24. | No. of vehicles movement/day  | 37 Trucks / Day (Depending on market demand)                        |                             |
| 25. | Type of Land  | Govt Land   |                             |
| 26. | Ultimate of Depth of Mining   | 12.0 m  |                             |
| 27. | Nearest metalled road from site                                       | 1.30Km  |                             |
| 28. | Water Requirement   | PURPOSE   | REQUIREMENT (KLD)           |
|     |   | Drinking  | 0.28 KLD                    |
|     |   | Suppression of dust   | 7.20 KLD                    |
|     |   | Plantation  | 0.80 KLD                    |
|     |   | Others (if any)   |                             |
|     |   | Total   | 8.28 KLD (Approx. 8.00 KLD) |
| 29. | Name of QCI Accredited Consultant with QCI No and period of validity. | Ind Tech House Consult QCI No.- 86<br>Period of Validity- 28-7-2021 |                             |
| 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-1895/30.M.M.C /(2020-21)<br>Date-13.1.2021                |                             |
| 32. | Details of Lease Area in approved DSR                                 | Page No’-39, Table No’-11, Sr. No’-9                                |                             |
| 33. | Proposed CER cost   | 2% of total project cost i.e. Rs. 1,39,990                          |                             |
| 34. | Proposed EMP cost   | 16.35 Lakhs   |                             |
| 35. | Length and breadth of Haul Road                                       | 600 mt Length & 6m width haulage road                               |                             |
| 36. | No. of Trees to be Planted  | 200 Trees   |                             |

- 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-03**

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

#### **4. Sand/ Morrum Mining from Son River Bed at Arazi No.- 824 Kha, Khand No.-01, Village- AgoriKhas, Tehsil-Obra, Sonbhadra., Shri Chander Sherkhar Chaurasia, Area: 16.194 ha. File No. 6305/Proposal No. SIA/UP/MIN/63476/2021**

A presentation was made by the project proponent along with their consultant M/s Greencindia Consulting Private Limited. The committee discussed the matter and directed the project proponent to submit following information:

- Singrauli Action Plan (CEPI) as defined by CPCB which includes the area of Uttar Pradesh and Madhya Pradesh. The committee directed the Project proponent to submit the status of

proposed site with reference to aforesaid Singrauli Action Plan (CEPI) along with certified map with geo-coordinates from the competent authority.

2. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
3. Plan for vehicular movement.
4. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with forest department shall be formulated and implemented.

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

**5. "UP Defiance Industrial Corridor" at Village- Andala, Tehsil- Khair, Village- Haibatpur, Tehsil- Khair, and Village- Karsua, Tehsil- Koil, Aligarh., Shri Shrish Chandra Verma, M/s Uttar Pradesh Expressways Industrial Development Authority. File No. 6310/Proposal No. SIA/UP/NCP/63456/2021**

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

1. The terms of reference is sought for "UP Defence Industrial Corridor" at Village- Andala, Tehsil- Khair, Village Haibatpur, Tehsil Khair and Village Karsua, Tehsil Koil, Distt. Aligarh, Uttar Pradesh M/s Uttar Pradesh Expressway Industrial Development Authority (UPEIDA).
2. The project will be spread over an area of 192.0370 ha. In the first phase, there will be industrial area development of about 55.2840 Ha which has already been acquired and the remaining area will be for future development.
3. The land use of 45.829 Ha. of the site has been changed from agricultural to industrial use. Land use of rest of the land will be converted from agricultural to industrial use once the land acquisition process will be completed.
4. The proposed project is one of the six upcoming Defence Industrial Project in the districts of Jhansi, Chitrakoot, Jalaun, Aligarh, Agra, and Kanpur Nagar.
5. The proposed project is an industrial area development which will have multiple engineering industries and secondary metallurgical industries involving furnace may have capacity more than 30000 tonnes per annum (TPA) which will be Category B industries 3(a) i.e. secondary metallurgical processing industry as per EIA notification 2006 and amended till date.
6. The total area for Industrial Estate is less than 500 ha, the project will come under activity listed at Serial no. 7(c) (Industrial Estates/Parks/complexes/areas, export processing zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes) under Category B (Industrial estates housing at least one Category B industry and area <500 ha.) in the Schedule of EIA Notification 2006.
7. List of proposed upcoming industries in Defiance Industrial Corridor:
  - Electronic Warfare Equipment Prototype/ Designing etc.
  - Telescopic Sights of Armored Fighting Vehicles
  - Drone Security Systems
  - Precision Components Manufacturing

- Insulation Materials
- Defence Packaging
- Arms, Ammunition, Small Arms
- Multiple micro mission critical internal metallic components for Grenades, missiles etc/  
Automation solutions and machinery for defence equipment production manufacturing unit
- Metal Components for Aerospace
- Metal Components and Springs
- Small Arms and Ammunition
- Manufacturing plant for Fire Extinguishers, Water mist Systems, fire vehicle, Fire Fighting Equipment, Appliances, Safety Rescue, Disaster Management Equipment with R&D and Training Centre.
- Manufacturing unit for advanced technological solutions in the field of defence & aerospace.
- Design, develop & manufacture in defence & Nuclear Sector (Navy & Others)
- Tungsten Carbide rod for APFSDS (Armour piercing fin stabilized discarding sabot) and Anti-Armour bullets.
- Miscellaneous Components

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

| S.No                         | Particulars   | Unit | Details                               |
|------------------------------|---|------|---------------------------------------|
| 1                            | Project Cost  | Rs.  | 357.84 Crores                         |
| <b>AREA DETAILS</b>          |   |      |                                       |
| 2                            | Total Plot Area   | m2   | 1920370<br>(192.037 ha.)              |
|                              | Plot Area (Phase I)   | m2   | 552840<br>(55.284 ha.)                |
|                              | Area for Future Development   | m2   | 1367530<br>(136.753ha.)               |
| 3                            | Common Road Area (to be developed by UPEIDA) – (A)  | m2   | 240376.25 (12.52% of total plot area) |
| 4                            | Common Green Area (to be developed by UPEIDA) – (B)   | m2   | 196261 (10.21% of total plot area)    |
| <b>FOR PLOTTED AREA</b>      |   |      |                                       |
| 5                            | Total Plotted Area  | m2   | 1483732.80                            |
| 6                            | Ground Coverage (Permissible) (55%)   | m2   | 816053                                |
| 7                            | Permissible FAR (1)   | m2   | 1483733                               |
| 8                            | Non-FAR Area/ Service Area (0.15)   | m2   | 222560                                |
| 9                            | Built up area (FAR + Non-FAR)   | m2   | 1706293                               |
| 10                           | Parking –(C)  | No's | 14837                                 |
| 11                           | Open Area (including Roads and Green Area) (total for industrial plots) – (D)                                   | m2   | 652842                                |
| 12                           | Open Area (including Roads only) (total for industrial plots)   | m2   | 489632                                |
| 13                           | Green Area<br>(25% of open area- In accordance with UPSIDA Land Development & Building Regulations, 2018) – (E) | m2   | 163211                                |
| 14                           | Overall Open Area –(A+B+D)  | m2   | 1089479.25                            |
| 15                           | Overall Green Area – (B+E)<br>(32.99% of Overall Open Area)   | m2   | 359471.95                             |
| <b>POPULATION/EMPLOYMENT</b> |   |      |                                       |
| 16                           | Staff (@20 persons per 1000 m2)   | Nos. | 29675                                 |
| 17                           | Visitor (20% additional)  | Nos. | 5935                                  |
| 18                           | Total Population  | Nos. | 35610                                 |

| SERVICE DETAILS & ENVIRONMENTAL ASPECTS |                                |     |   |
|---|--------------------------------|-----|---|
| 19                                      | Total Water Requirement        | KLD | 5938  |
| 20                                      | Fresh Water Requirement        | KLD | 5023<br>Industrial Purpose - 4400<br>Domestic-623 , |
| 21                                      | Domestic Wastewater Generation | KLD | 871   |
| 22                                      | Waste water Treatment Schemes  | KLD | STP-1100  |
| 23                                      | Treated Water Available        | KLD | 783   |
| 24                                      | Effluent Generation            | KLD | 2200  |
| 25                                      | Power Requirement              | MW  | 100   |

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

| Particular                      | Area (Sqm) | Area (acre) | Area (ha) | Percentage |
|---------------------------------|------------|-------------|-----------|------------|
| Ground Coverage (Permissible)   | 816053     | 201.65      | 81.6053   | 42.49      |
| Open Area (including Road Area) | 489632     | 120.99      | 48.9632   | 25.50      |
| Green Area                      | 359472     | 88.83       | 35.9472   | 18.72      |
| Parking Area                    | 14837      | 3.67        | 1.4837    | 0.77       |
| Common Road Area                | 240376     | 59.40       | 24.0376   | 12.52      |
| Total Plot Area (A)             | 1920370.00 | 474.53      | 192.0370  | 100.00     |

**10. Population details:**

| Particular                                   | Population |
|--|------------|
| Staff (@20 persons per 1000 m <sup>2</sup> ) | 29675      |
| Visitor (20% additional)                     | 5935       |
| Total Population                             | 35610      |

**11. Water requirement details:**

| Particulars         | Quantity                | Factor                 | Total Water Requirement (in KLD) | Domestic Requirement (in KLD) | Flushing Requirement (in KLD) | Wastewater (in KLD) |
|---------------------|-------------------------|------------------------|----------------------------------|-------------------------------|-------------------------------|---------------------|
| Staff               | 29,675                  | 30 lit/person          | 890                              | 593                           | 297                           |                     |
| Visitors            | 5,935                   | 15 lit/person          | 89                               | 30                            | 59                            |                     |
| Sub-total           |                         |                        | 979                              | 623                           | 356                           |                     |
| Domestic Wastewater |                         |                        |                                  | 499                           | 356                           | 855                 |
| Industrial Water    | 366.63 acres            | 12 KLD/acre            | 4400                             |                               |                               | 2200                |
| Landscaping         | 3,59,472 m <sup>2</sup> | 1.5 lit/m <sup>2</sup> | 539                              |                               |                               | 0                   |
| Misc.               |                         |                        | 20                               |                               |                               | 16                  |
| Total Water         |                         |                        | 5938                             |                               |                               | 871                 |

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

**RESOLUTION AGAINST AGENDA NO-06**

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

1. The project proponent will take water conservation measures like reuse/recycle of treated waste water with ZLD concept.
2. Rain water harvesting recharging and other suitable water conservation measure to reduce the use of fresh water. Flow measuring devices of various components and their monitoring shall be incorporated.
3. Air, Water, Noise, Soil monitoring and surveillance protocol shall be given.
4. Prospective rolls and responsibility matrix for preventing and controlling the pollution shall be given by project proponent.

5. The project proponent shall study the displacement of humans, wildlife/bird, if any and accordingly their rehabilitation and resettlement plan shall be given.
6. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damage, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
7. Submit the details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
8. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
9. Examine the impact of proposed project on the nearest settlements.
10. Examine baseline environmental quality along with projected incremental load due to the project taking into account of the existing developments nearby.
11. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
12. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area, and any obstruction of the same by the project.
13. Details regarding project boundary passing through any eco- sensitive area and within 10 km from eco- sensitive area.
14. Green buffer in the form of green belt to a width of 15 meters should be provided all along the periphery of the industrial area. The individual units should keep 33% of the allotted area as a green area.
15. Submit the details of the trees to be felled for the project.
16. Submit the details of the infrastructure to be developed.
17. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
18. Submit details regarding R&R involved in the project.
19. Zoning of the area in terms of 'type of industries' coming-up in the industrial area based on the resource requirement along with likely pollutants with quantity from the various industries.
20. The project boundary area and study area for which the base line data is generated should be indicated through a suitable map. Justification of the parameters, frequency and locations shall be discussed in the EIA.
21. Submit Legal frame work for the implementation of Environmental Clearance conditions - to be clearly spelt out in the EIA report.
22. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
23. Site justification of the identified industry sectors from environmental angle and the details of the studies conducted if any.
24. Ground water classification as per the Central Ground Water Authority.
25. Submit the source of water, requirement vis-à-vis waste water to be generated along with treatment facilities, use of treated waste water along with water balance chart taking into account all forms of water use and management.
26. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
27. Examine soil characteristics and depth of ground water table for rainwater harvesting.
28. Examine details of solid waste generation treatment and its disposal.
29. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption.

30. In case DG sets are likely to be used during construction and operational phase of the project, emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
31. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
32. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
33. Examine the details of transport of materials for construction which should include source and availability.
34. Examine the details of National Highways/State Highways/ expressways falling along the corridor and the impact of the development on them.
35. Examine noise levels - present and future with noise abatement measures.
36. Identify, predict and assess the environmental and sociological impacts on account of the project. A detailed description with costs estimates of CSR should be incorporated in the EIA / EMP report.
37. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
38. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
39. The Public hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the TOR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
40. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
41. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
42. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
43. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Industrial Estate>".

**6. Stone (Khanda, Boulder & (Gitti) Bailast) Mining at Gata No. 19, Khand No.-03, Village- Dunara, Mahoba, U.P., Area -2.226 ha. File No. 6117/5794/Proposal No. SIA/UP/MIN/59754/2020**

The committee noted that the matter was earlier discussed in 527<sup>th</sup> SEAC meeting dated 24/02/2021 and directed as follows:

“The committee noted that the power point presentation made by the consultant is not up to the mark and data mentioned in the slide is also not readable. Hence, the committee directed the project proponent/consultant to revise the whole presentation and present again before SEAC for consideration.”

The project proponent submitted their replies vide letter dated 31/05/2021. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment &



Development). The committee discussed the matter and directed the project proponent to submit following information along with revised proposal:

1. The proposed production is 133560 m<sup>3</sup>/year as per the mining plan approval letter by DGM, UP. However, the project proponent submitted that the production for the first two years will be 133560 m<sup>3</sup>/year and for the next three years the proposed production is reduced. A proper clarification with supporting documents should be submitted.
2. In case the blasting in mining operation is proposed, the project proponent need to assess its impact on displacement of human beings/wild animals/birds/other species and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described.
3. The project proponent shall submit the plan for suitable measures to prevent pollution of ground water and nearby water bodies.
4. Vehicular movement plan.

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

**7. Stone (khanda, Gitti & Boulder, Ballast) Mining at Gata No.-1498, Khand No.04, Village-Gadiya, Tehsil-Talbehah, Lalitpur., Area-2.023 ha. File No. 6070/Proposal No. SIA/UP/MIN/189930/2020**

The committee noted that the matter was earlier discussed in 538<sup>th</sup> SEAC meeting dated 12/04/2021 and directed the project proponent so submit following information:

1. Revised plantation details as per guidelines.
2. Revised EMP.
3. Production details should be mentioned in metric ton form.
4. Approved DSR from competent authority.
5. Original photo affidavit regarding salient features of the project.

The project proponent submitted their replies vide letter dated 02/06/2021. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis.

The committee discussed the matter and opined that the reply of query no. 1 submitted by the project proponent is not satisfactory. The project proponent/consultant is directed to revise the reply submitted while considering the detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with forest department shall be formulated and implemented.

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

**8. Stone (Khanda & Boulder, Ballast, Gitti) Mining at Gata No.-1097, Khand No.-04, Village-Utiyan, Tehsil-Sadar, Mahoba. Area-0.809 ha. File No. 6072/Proposal No. SIA/UP/MIN/59396/2020**

**RESOLUTION AGAINST AGENDA NO-08**

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

**9. Stone (Sand Stone) Mine at Araj No.-428, Village- Dhuriyan, Tehsil- Chunar, District-Mirzapur, U.P., Area -1.21 ha. File No. 6073/Proposal No. SIA/UP/MIN/59402/2020**

**RESOLUTION AGAINST AGENDA NO-09**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The committee discussed the matter and directed the project proponent to submit following information along with revised proposal:

1. Singrauli Action Plan (CEPI) as defined by CPCB which includes the area of Uttar Pradesh and Madhya Pradesh. The committee directed the Project proponent to submit the status of proposed site with reference to aforesaid Singrauli Action Plan (CEPI) along with certified map with geo-coordinates from the competent authority.
2. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with forest department shall be formulated and implemented.

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

**10. Building Stone (Khanda, Boulder, Bailast & Gitti) Mine at Gata No.-2561, Khand No.-02, Village- Pahara, Tehsil-Sadar, Mahoba, U.P. (Leased Area-1.21 ha.) File No. 6102/Proposal No. SIA/UP/MIN/190808/2021**

The committee noted that the matter was earlier discussed in 521<sup>st</sup> SEAC meeting dated 12/01/2021 and directed the project proponent to submit revised DSR (as khasra no. is not mentioned) and period/life of mine as per LOI.

The project proponent submitted their replies vide letter dated 02/06/2021. A presentation was made by the project proponent along with their consultant M/s Environmental Research Analysis. 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) Mine at Gata No.-2561, Khand No.- 02, Village- Pahara, Tehsil-Sadar, Mahoba, U.P. (Leased Area-1.21 ha.).
2. Salient features of the project as submitted by the project proponent:

|  |   |               |               |
|--|---|---------------|---------------|
| 1. On-line proposal No.                                    | SIA/UP/MIN/190808/2020  |               |               |
| 2. File No. allotted by SEIAA, U.P                         | 6102  |               |               |
| 3. Name of Proponent                                       | Prop. Shri Ram Khilavan Shukla S/o-Shri Devi Prasad             |               |               |
| 4. Full correspondence address of proponent and mobile no. | R/o-Rajendra Nagar, Kabrai, Tehsil & District-Mahoba (U.P.)     |               |               |
| 5. Name of Project   | Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project |               |               |
| 6. Project location (Plot/Khasra/Gata No.)                 | Gata No-2561 Khand No.-02                                       |               |               |
| 7. Name of River   | NA  |               |               |
| 8. Name of Village   | Pahara  |               |               |
| 9. Tehsil  | Sadar   |               |               |
| 10. District   | Mahoba(U.P)   |               |               |
| 11. Name of Minor Mineral                                  | Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project |               |               |
| 12. Sanctioned Lease Area (in Ha.)                         | 1.21 Ha.  |               |               |
| 13. Mineable Area (in Ha.)                                 | 0.862 Ha(safety margin 0.348 Ha).                               |               |               |
| 14. Zero level mRL   | NA  |               |               |
| 15. Max. & Min mrl within lease area                       | Maximum mRL 196.5 mRL and minimum 171.8 mRL.                    |               |               |
| 16. Pillar Coordinates (Verified by DMO)                   | Pillar  | Latitude(N)   | Longitude(E)  |
|  | A   | 25°21'08.47"N | 80°03'43.84"E |
|  | A'  | 25°21'08.86"N | 80°03'45.67"E |
|  | B   | 25°21'08.69"N | 80°03'46.42"E |

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|  |  |               |                   |  |
|--|--|---------------|-------------------|--|
|  | C  | 25°21'02.90"N | 80°03'44.42"E     |  |
|  | D  | 25°21'03.37"N | 80°03'41.91"E     |  |
| 17. Total Geological Reserves  | 4,92,974 m <sup>3</sup>  |               |                   |  |
| 18. Sanction Quantity as per LOI   | 60,000 m <sup>3</sup> per year as per LOI  |               |                   |  |
| 19. Total Proposed Production (in five year)                                 | 3,00,000 m <sup>3</sup> in five year   |               |                   |  |
| 20. Proposed Production/year   | 60,000 m <sup>3</sup>  |               |                   |  |
| 21. Sanctioned Period of Mine lease  | 10 Year  |               |                   |  |
| 22. Production of mine/day   | 16.66 m <sup>3</sup> /day  |               |                   |  |
| 23. Method of Mining   | Open cast, semi-mechanized   |               |                   |  |
| 24. No. of working days  | 300  |               |                   |  |
| 25. Working hours/day  | 8 hours/day  |               |                   |  |
| 26. No. Of workers   | 28   |               |                   |  |
| 27. No. Of vehicles movement/day   | 10-12 Vehicles movement/day  |               |                   |  |
| 28. Type of Land   | Building Stone(Khanda, Boulder, Bailast & Gitti) Mining  |               |                   |  |
| 29. Ultimate Depth of Mining   | 6.0 m  |               |                   |  |
| 30. Nearest metalled road from site  | NH-76 at 6.0 km towards NNW- direction   |               |                   |  |
| 31. Water Requirement  | PURPOSE  |               | REQUIREMENT (KLD) |  |
|  | Drinking water   |               | 0.38 KLD          |  |
|  | Suppression of dust  |               | 6.6 KLD           |  |
|  | Plantation   |               | 0.08KLD           |  |
|  | Others (if any)  |               | -                 |  |
|  | Total  |               | 7.0 KLD approx.   |  |
| 32. Name of QCI Accredited Consultant with QCI No<br>And period of validity. | Environmental Research and Analysis, Lucknow (U.P)<br>Certificate No. NABET /EIA/1922/RA 0200 and valid up to<br>30 December, 2022 |               |                   |  |
| 33. Any litigation pending against the project or<br>land in any court       | No   |               |                   |  |
| 34. Details of 500 m Cluster Map & certificate<br>issued by Mining Officer   | Letter No. 7501/ एम०एम०सी०-30 /2020-21 Date-26/12/2020   |               |                   |  |
| 35. Details of Lease Area in approved DSR                                    | Amendment Letter No :7547 /एम०एम०सी०-30 खनिज (2020-<br>21) Dated 31/12/2020  |               |                   |  |
| 36. Proposed EMP cost  | Rs 2,55,200/-(more than 4% of total project site)  |               |                   |  |
| 37. Proposed Total Project cost  | Rs. 50,00,000/-  |               |                   |  |
| 38. Length and breadth of Haul Road  | 550 m length and 6.0 m width   |               |                   |  |
| 39. 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-10**

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

**11. Stone (Sand Stone) Mining at Gata No.-562, Village-Darhram, Tehsil-Sadar, District-Mirzapur., U.P., Area -0.606 ha. File No. 6180/Proposal No. SIA/UP/MIN/194628/2021**

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The committee noted that the matter was earlier discussed in 521<sup>st</sup> SEAC meeting dated 12/01/2021 and directed the project proponent to submit revised DSR (as khasra no. is not mentioned) and period/life of mine as per LOI.

The project proponent submitted their replies vide letter dated 02/06/2021. A presentation was made by the project proponent along with their consultant M/s Environmental Research Analysis. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Stone (Sand Stone) Mining at Gata No. 562, Village-Darhram, Tehsil-Sadar, District-Mirzapur,, U.P., (Leased Area - 0.606 ha.).
2. Salient features of the project as submitted by the project proponent:

|   |   |                            |               |
|---|---|----------------------------|---------------|
| On-line proposal No.  | SIA/UP/MIN/194628/2021  |                            |               |
| File No. allotted by SEIAA, UP  | 6180  |                            |               |
| Name of Proponent   | Shri Shyam Bahadur Singh S/o Shri Jawahir Singh   |                            |               |
| Full correspondence address of proponent and mobile no.               | Address- Near Hydel Colony, Danghar<br>District-Mirzapur(U.P.)  |                            |               |
| Name of Project   | Building Stone (Sand Stone) Mining Project  |                            |               |
| Project location (Plot/Khasra/Gata No.)                               | Gata No. 562  |                            |               |
| Name of River   | NA  |                            |               |
| Name of Village   | Darhram, Tehsil-Sadar   |                            |               |
| District  | Mirzapur (UP)   |                            |               |
| Name of Minor Mineral   | Building Stone (Sand Stone) Mining Project  |                            |               |
| Sanctioned Lease Area (in Ha.)  | 0.606 Ha.   |                            |               |
| Mineable Area (in Ha.)  | 0.6037 Ha (Safety margin 0.002325 Ha).  |                            |               |
| Zero level mRL  | NA  |                            |               |
| Max. & Min mrl within lease area                                      | Max. & Min mRL is 122.7 mRL & 121.0 mRL respectively  |                            |               |
| Pillar Coordinates (Verified by DMO)                                  | Pillar  | Latitude                   | Longitude     |
|   | A   | 25° 00'48.40"N             | 82°42'48.30"E |
|   | B   | 25° 00'47.90"N             | 82°42'49.30"E |
|   | C   | 25° 00'44.60"N             | 82°42'47.80"E |
|   | D   | 25° 00'45.70"N             | 82°42'45.60"E |
|   | E   | 25° 00'47.60"N             | 82°42'47.00"E |
| Total Geological Reserves   | 1,46,285 m3   |                            |               |
| Total Mineable Reserves in LOI  | 6,060 m3 per year   |                            |               |
| Total Proposed Production (in five year)                              | 29,309 m3 in 5 years  |                            |               |
| Proposed Production/year  | 6,060 m3 per year   |                            |               |
| Sanctioned Period of Mine lease                                       | 10 Year   |                            |               |
| Production of mine/day  | 20.0 m <sup>3</sup> /day  |                            |               |
| Method of Mining  | Open cast, Semi-Mechanized  |                            |               |
| No. of working days   | 300   |                            |               |
| Working hours/day   | 8 hours/day   |                            |               |
| No. Of workers  | Approximately 22 workers  |                            |               |
| No. Of vehicles movement/day  | 4-5 Vehicles movement/day   |                            |               |
| Type of Land  | Government Land (Rocky Barren)  |                            |               |
| Ultimate Depth of Mining  | 6 m   |                            |               |
| Nearest metallad road from site                                       | NH-7 is about 8.60 km towards North direction.  |                            |               |
| Water Requirement   | PURPOSE   | REQUIREMENT (KLD)          |               |
|   | Drinking  | 0.32 KLD                   |               |
|   | Suppression of Dust   | 3.84 KLD                   |               |
|   | Plantation  | 0.4 KLD                    |               |
|   | Others (if any)   | -                          |               |
|   | Total   | 4.56 KLD (4.6 KLD approx.) |               |
| Name of QCI Accredited Consultant with QCI No And period of validity. | M/s Environmental Research and Analysis, Lucknow (U.P.)<br>Certificate No. NABET/EIA/1922/RA 0200 and valid up to 30/07/ 2022 |                            |               |

|   |   |
|---|---|
| Any litigation pending against the project or land in any court     |   |
| Details of 500 m Cluster Map & certificate issued by Mining Officer | Letter No. 1538/Khanij/K.S./2020-21 on Dated 12/01/2021 |
| Details of Lease Area in approved DSR                               | Page No 26, S No. -10                                   |
| Proposed EMP cost   | Rs 4,14,000/-   |
| 6. Proposed Total Project cost                                      | Rs 40,00,000/-  |
| Length and breadth of Haul Road                                     | 160 m length and 6 m width                              |
| No. of Trees to be Planted  | 400   |

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 grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes.

### **12. Assembling of Led Lights & Components at Plot No.- 10, Sector-156, Noida, U.P., Shri Hardeep Singh, M/s Ikio Solution Pvt. Ltd. File No. 6328/Proposal No. SIA/UP/MIS/211400/2021**

A presentation was made by project proponent along with their consultant M/s Cognizance Research India Pvt Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

- 1- The Environmental clearance is sought to develop a Assembling Of LED Lights & Components Project at Plot NO-10 Sector 156 Noida by M/s. Ikio Solutions PVT Ltd
- 2- Salient features of the project as submitted by the project proponent:

| Description                              | Details  |
|--|--|
| On-line proposal No.                     | SIA/UP/MIS/ 211400/2021  |
| File No. allotted by SEIAA, UP           | 6328   |
| Name of Proponent                        | M/s. Ikio Solutions Pvt Ltd  |
| Full correspondence address of proponent | Mr. Hardeep Singh<br>D-234 SECTOR 63 NOIDA-201307  |
| Name of Project                          | Assembling Of LED Lights & Components  |
| Project Location                         | Plot NO-10 Sector 156 Noida  |
| Pillar Coordinates                       | A 28°27'25.59"N 77°26'54.35"E<br>B 28°27'22.03"N 77°26'49.93"E<br>C 28°27'24.80"N 77°26'46.93"E<br>D 28°27'28.58"N 77°26'51.42"E |
| Net Plot Area                            | 20,001.00 m <sup>2</sup>   |
| Built-up Area                            | 79,052.52 m <sup>2</sup>   |

|                            |  |
|----------------------------|--|
| Green Area                 | 2,681.13 sqm   |
| Fresh Water requirement    | Fresh water: 24 KLD  |
| Sewage Generation          | Amount of waste water generated : 30 KLD<br>STP Capacity: 40 KLD<br>Technology: MBBR |
| Solid Waste Generation     | 298.5 kg/day   |
| Parking Provided           | 475 ECS  |
| Power Requirement & Source | 2500 KVA & Source: UPPCL   |
| Back up                    | 1 DG sets (62.5 KVA)   |
| RWH Pits                   | 4 no.of harvesting pits proposed   |
| Water Requirement          | Fresh Water-24 KLD<br>STP Recycled Water for Flushing-12 KLD<br>Horticulture-16 KLD  |

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

**RESOLUTION AGAINST AGENDA NO-12**

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

**I. Statutory compliance:**

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

10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

**II. Air quality monitoring and preservation**

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
4. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
5. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
6. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
7. Wet jet shall be provided for grinding and stone cutting.
8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
9. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
10. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
11. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
12. For indoor air quality the ventilation provisions as per National Building Code of India.

**III. Water quality monitoring and preservation**

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the a approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation.



Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

**IV. Noise monitoring and prevention:**

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

**V. Energy Conservation measures**

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

**VI. Waste Management :**

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

**VII. Green Cover:**

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

**VIII. Transport:**

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points.
  - d. Parking norms as per local regulation.
2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

**IX. Human health issues :**

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporate Environment Responsibility:**

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of

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

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

**XI. Miscellaneous:**

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**13. Commercial Complex "Mahagun Millenia" at Khasra No.- 709, 674, 708, 710, 741, Crossing Republik, Commercial Plot NO.- C-7, Dundadhera, District- Ghaziabad, U.P., Shri Peeyush Chaudhry, M/s Sparsh Builders Pvt. Ltd. File No. 6412/Proposal No. SIA/UP/MIS/216640/2021**

A presentation was made by the project proponent along with their consultant informed that the proposed project is a part of township CROSSING REPUBLIC DUNDADHERA GHAZIABAD UTTAR PRADESH which has already been granted EC vide letter no.- 2099/Parya dated 12/10/2013. The committee discussed the matter and directed the project proponent to submit following information along with revised proposal/ documents:

1. Revised solid waste management plan as directed by committee to propose a suitable site which is environment friendly.
2. Copy of environmental clearance issued to crossing republic, CTO(Air+Water) along with compliance report
3. Plan for Water Management and its different uses along with water balance flow diagram.
4. Revised plan for treated water (STP) along with usage and fresh water requirement to be submitted.
5. Source of water and permission from concerned authorities/ CGWA permission for groundwater abstraction and discharge of treated water from STPs.
6. Revised layout plan which shows location of solid waste management site, STP, DG sets.
7. The use of diesel as fuel for the power backup is not permitted in NCR as per the directions given by CPCB/SPCB. The revised proposal for CNG based DG sets along with details of capacity and fuel consumption is to be submitted.
8. The consultant of the project informs that the sewage of the proposed project shall be treated in the existing STP of m/S Crossing Republic but they have not submitted the MOU and feasibility report of the existing STP. The committee directed to the project proponent to submit dedicated STP for the proposed project.

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

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

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

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

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

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

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

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

**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 PM10, particularly for free silica, should be given.



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

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

**Annexure-2**

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

**A. General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data of pollutants shall be regularly up loaded on the company's website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Regional office, MoEF, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dt. 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement for dust suppression on haul roads, mining areas, loading and unloading and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs and health records of the workers shall be maintained.
11. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like mask and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to day hours time only.
15. Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, toilet facility separate for man and women or mobile toilets with safe disposal of human excreta, safe drinking water supply, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

16. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform to the Regional Office, MoEF, GoI, Lucknow and State Pollution Control Board regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
18. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, Lucknow and State Pollution Control Board
19. The Regional Office, MoEF, GoI, Lucknow and State Pollution Control Board shall monitor compliance of the stipulated conditions. A complete set a documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing and other documents information should be given to Regional Office of the MoEF, GoI, Lucknow and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA,U.P. on 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

**B. Specific Conditions:**

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. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and 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 05 ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to valid lease in favour of project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.

6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
7. A comprehensive EIA including mining areas within 15 K.M. to assess impact of the mining activity on the surrounding area shall be undertaken and report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as to ensure that reclamation, forest cover and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore bearing area is worked for expansion.
10. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
11. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and a observation report submitted to the Regional office, MoE&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the day time only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals are to be done by the company regularly at its own expenses. The link roads from mining area to main road shall be constructed as all weather road with black topping and maintained by the project proponent.
17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board .The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area ,roads and green belt development etc.
18. Status of implementation shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs, if any flowing through the ML area and silts arrested. De- silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de- silted at regular intervals.
23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Regional Office, MoEF, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be set up and records maintained.
24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.

29. The project proponent will ensure for providing employment to local people as per requirement, necessary protection measures around the mine pit and waste dump and garland drain around the mine pit and waste dump.
30. Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.
31. Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of maximum 10 m and overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board on six monthly basis.
33. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
34. Permission for abstraction of ground water shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority and Regional Director, Central Ground Water Board.
35. The waste water from the mine shall be treated to conform to the prescribed standards before discharging in to the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, Central Pollution Control Board and the State Pollution Control Board.
36. Hydro geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Suitable measures shall be taken for proper maintenance of vehicles used in quarry operation and in transportation to control the vehicular pollution. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through wild life sanctuary, if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for extraction of ground water, if any. The project proponent shall take all suitable measures to prevent pollution of ground water and nearby water bodies in consultation with UP Pollution Control Board. Consent to Establish and

Consent to operate , if applicable should be obtained by project proponent from UP Pollution Control Board prior to start of production from mining.

39. A final mine closure plan/Exit protocol for rehabilitation of mined out land to match its surrounding land use , along with details of Corpus Fund, shall be submitted to the Regional office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval. The project proponent shall ensure the implementation of approved plan under supervision of the Department of Mines and Geology and the completion and compliance report shall be submitted to the above dept. and UP Pollution Control Board.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health check-up record of the mine workers has to be maintained at site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB and other Govt. Agencies from time to time.
44. The blasting will be done only after getting the permission from the Mining Department.