

Minutes of 634th SEAC-1 Meeting Dated 08/03/2022

The 634th meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 08/03/2022. Following members participated in the meeting:

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|----|----------------------------|-----------------------------|
| 1. | Shri Rajive Kumar, | Chairman, SEAC-1 |
| 2. | Dr. Ajai Mishra, | Member, SEAC-1 (through VC) |
| 3. | Dr. Brij Bihari Awasthi, | Member, SEAC-1 (through VC) |
| 4. | Shri Umesh Chandra Sharma, | Member, SEAC-1 (through VC) |
| 5. | Dr. Ratan Kar, | Member, SEAC-1 (through VC) |

The Chairman welcomed the members to the 634th SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director Environment. Nodal Officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

1. Sand/morram Mining at Gata No.- 195/1, Village- Bahadurpur Syodha, Tehsil- & District- Banda., Shri Omprakash Bharadwaj Area 14.3850 ha., File No. 6871/Proposal No. SIA/UP/MIN/71095/2022

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

1. The terms of reference is sought for “Sand/Morram Mining” Project at Gata No.- 195/1, Village- Bahadurpur Syodha, Tehsil- Banda, District- Banda, U.P. (Leased Area : 14.3850 ha.).

Shri Omprakash Bharadwaj S/o Late Ghiratram

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

| 1. | On-line report submitted on | 13/01/2022 | | | | | | | | | | | | | | | | | | |
|---------|---|--|---------|--------------|---------------|---|----------------|----------------|---|----------------|----------------|---|----------------|----------------|---|----------------|----------------|---|----------------|----------------|
| 2. | On-line proposal No. | SIA/UP/MIN/71095/2022 | | | | | | | | | | | | | | | | | | |
| 3. | File No. allotted by SEIAA, UP | 6871 | | | | | | | | | | | | | | | | | | |
| 4. | Name of Proponent | Shri Omprakash Bharadwaj S/O Late Ghiratram | | | | | | | | | | | | | | | | | | |
| 5. | Full correspondence address of proponent and mobile no. | R/O—Mohalla- Gular Naka (Amar Talkies), Thana Kotwalinagar, Banda, Tehsil & District-Banda. U.P | | | | | | | | | | | | | | | | | | |
| 6. | Name of Project | Sand/ Morrum MiningProject | | | | | | | | | | | | | | | | | | |
| 7. | Project location (Plot/ Khasra /Gata No.) | Gata No.- 195/1 | | | | | | | | | | | | | | | | | | |
| 8. | Name of River | Ken | | | | | | | | | | | | | | | | | | |
| 9. | Name of Village | Bahadurpur Syodha | | | | | | | | | | | | | | | | | | |
| 10. | Tehsil | Banda | | | | | | | | | | | | | | | | | | |
| 11. | District | Banda | | | | | | | | | | | | | | | | | | |
| 12. | Name of Minor Mineral | Sand/ Morrum | | | | | | | | | | | | | | | | | | |
| 13. | Sanctioned LeaseArea (inHa.) | 14.3850ha. | | | | | | | | | | | | | | | | | | |
| 14. | Max.&Min mrl within lease area | 108.0 mRL- 104.0 mRL | | | | | | | | | | | | | | | | | | |
| 15. | Pillar Coordinates(Verified by DMO) | <table><tr><th>Pillars</th><th>Latitude (N)</th><th>Longitude (E)</th></tr><tr><td>A</td><td>25°18' 24.50"N</td><td>80°19' 14.60"E</td></tr><tr><td>B</td><td>25°18' 24.77"N</td><td>80°19' 15.16"E</td></tr><tr><td>C</td><td>25°18' 16.87"N</td><td>80°19' 10.69"E</td></tr><tr><td>D</td><td>25°18' 15.00"N</td><td>80°19' 08.80"E</td></tr><tr><td>E</td><td>25°18' 01.50"N</td><td>80°18' 54.40"E</td></tr></table> | Pillars | Latitude (N) | Longitude (E) | A | 25°18' 24.50"N | 80°19' 14.60"E | B | 25°18' 24.77"N | 80°19' 15.16"E | C | 25°18' 16.87"N | 80°19' 10.69"E | D | 25°18' 15.00"N | 80°19' 08.80"E | E | 25°18' 01.50"N | 80°18' 54.40"E |
| Pillars | Latitude (N) | Longitude (E) | | | | | | | | | | | | | | | | | | |
| A | 25°18' 24.50"N | 80°19' 14.60"E | | | | | | | | | | | | | | | | | | |
| B | 25°18' 24.77"N | 80°19' 15.16"E | | | | | | | | | | | | | | | | | | |
| C | 25°18' 16.87"N | 80°19' 10.69"E | | | | | | | | | | | | | | | | | | |
| D | 25°18' 15.00"N | 80°19' 08.80"E | | | | | | | | | | | | | | | | | | |
| E | 25°18' 01.50"N | 80°18' 54.40"E | | | | | | | | | | | | | | | | | | |

| | | | | |
|-----|---|--|-----------------------|----------------|
| | | F | 25°17' 58.60 "N | 80°18' 53.30"E |
| | | G | 25°17' 53.60"N | 80°18' 49.70"E |
| | | H | 25°17' 55.40"N | 80°18' 45.80"E |
| | | I | 25°18' 09.80"N | 80°18'57.00"E |
| 16. | Total Geological Reserves | 359625 m ³ | | |
| 17. | Total Mineable Reserves | 220464 m ³ | | |
| 18. | Total Proposed Production (in five year) | 1078875m ³ | | |
| 19. | Proposed Production / year | Year | Production | |
| | | 1 st | 215775m ³ | |
| | | 2 nd | 215775m ³ | |
| | | 3 rd | 215775m ³ | |
| | | 4 th | 215775m ³ | |
| | | 5 th | 215775m ³ | |
| | | Total | 1078875m ³ | |
| 20. | Sanctioned Period of Mine lease | 5 Year | | |
| 21. | Production of mine/day | 959m ³ (approx.) | | |
| 22. | Method of Mining | Opencast Semi-Mechanized | | |
| 23. | No.of working days | 225 days | | |
| 24. | Working hours/day | 8 Hours/Day | | |
| 25. | No.Of workers | 43 (approx.) | | |
| 26. | No.Of vehicle movement /day | 80 (approx.) | | |
| 27. | Type of Land | River Bed Govt. Land | | |
| 28. | Ultimate Depth of Mining | 2.0 meter (average) | | |
| 29. | Nearest metalled road from site | 1.0 km | | |
| 30. | Water Requirement | PURPOSE | REQUIREMENT (KLD) | |
| | | Drinking& Others | 0.45 | |
| | | Suppression of dust | 6.0 | |
| | | Plantation | 7.20 | |
| | | Others(if any) | ----- | |
| | | Total | 13.65 | |
| 31. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024 | | |
| 32. | Any litigation pending against the project or land in any court | No | | |
| 33. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Banda vide Letter No. 2889/Khanij-30,Banda Dated 14/12/2021 | | |
| 34. | Details of Lease Area in approved DSR | Letter No. 182/M.- 228/2017 (Khanna Niti)-D.S.R. Page No.- 03, S.No.- 12. | | |
| 35. | Proposed CER cost | 2.30 Lakh | | |
| 36. | Proposed EMP cost | 47.21 Lakh | | |
| 37. | Length and breadth of Haul Road. | Length- 1.0 km, Width- more than 6.0 m | | |
| 38. | No. of Trees to be Planted | 14385 | | |

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

RESOLUTION AGAINST AGENDA NO. 01

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

Additional TOR:

1. NOC from Irrigation Department regarding river bed mining to be submitted at the time of EIA presentation.
2. To ensure the proper monitoring project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit and activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
3. A verification report by at least 05 persons along with their mobile number and identity card.
4. Project proponent must take minimum 15 days new monitoring data to co-relate with previous data.
5. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
6. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
7. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
8. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
9. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
10. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

2. Stone (Khanda, Boulder Gitti) Sandstone Mining at Araj No. /Plot No. Gata No-174, Khand No.-B/3, Village-Bangliya, Tehsil-Meja, Prayagraj, Shri Nirmal Kumar Chaubey, Area- 2.0240 ha., File No. 6872/Proposal No. SIA/UP/MIN/71121/2022

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

1. The terms of reference is sought for Building Stone (Khanda, Boulder, Gitti) Sandstone mine at Araj No. /Plot No. Gata No- 174, Khand No.-B/3, at Village – Bangliya, Tehsil- Meja, District- Prayagraj, Uttar Pradesh, (Leased Area 2.0240 ha).
2. Salient features of the project as submitted by the project proponent:

| | | |
|----|---|---|
| 1. | On-line proposal No. | SIA/UP/MIN/71121/2022 |
| 2. | File No. allotted by SEIAA, UP | 6872 |
| 3. | Name of Proponent | Nirmal Kumar Chaubey (Prop) |
| 4. | Full correspondence address of proponent and mobile no. | S/o Shri Balwant Chaubey Add:- Chhorhar Hanumanganj District-Balia U.P.- 277001 Mobile no. – 9454684012 E mail ID - nirmalstone12@gmail.com |
| 5. | Name of Project | Building Stone (Khanda, Boulder, Gitti) Sandstone mine at Araj No. /Plot No. Gata No- 174, Khand No.-B/3, Area 2.0240 ha (5.0 Acres) at Village – Bangliya, Tehsil- Meja, District- Prayagraj, Uttar Pradesh of Shri Nirmal Kumar Chaubey |

| 6. | Project Location (Plot. Khasra/Gata No.) | Gata No- 174, Khand No.-B/3 | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|-------|----------|-----------|----------|--------------|---------------------|-----------|--------------|--------------|-----------------|--------------|--------------|------------|--------------|--------------|--|--|
| 7. | Name of River | Building Project (Ganga River- 5.0 km (N)) | | | | | | | | | | | | | | | | | | |
| 8. | Name of Village | Village – Bangaliya | | | | | | | | | | | | | | | | | | |
| 9. | Tehsil | Meja | | | | | | | | | | | | | | | | | | |
| 10. | District | Prayagraj | | | | | | | | | | | | | | | | | | |
| 11. | Name of Minor Mineral | Building Stone (Khanda, Boulder, Gitti) | | | | | | | | | | | | | | | | | | |
| 12. | Sanctioned Lease Area (in Ha.) | 2.0240 ha | | | | | | | | | | | | | | | | | | |
| 13. | Max. & Min mRL within lease area | Highest mRL -107.30 mRL Lowest mRL- 89.20 mRL | | | | | | | | | | | | | | | | | | |
| 14. | Pillar Coordinates (Verified by DMO) | | <table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>25° 08.038”N</td><td>82° 16.330”E</td></tr><tr><td>B</td><td>25° 08.033”N</td><td>82° 16.395”E</td></tr><tr><td>C</td><td>25° 07.942”N</td><td>82° 16.432”E</td></tr><tr><td>D</td><td>25° 07.950”N</td><td>82° 16.363”E</td></tr></table> | Point | Latitude | Longitude | A | 25° 08.038”N | 82° 16.330”E | B | 25° 08.033”N | 82° 16.395”E | C | 25° 07.942”N | 82° 16.432”E | D | 25° 07.950”N | 82° 16.363”E | | |
| Point | Latitude | Longitude | | | | | | | | | | | | | | | | | | |
| A | 25° 08.038”N | 82° 16.330”E | | | | | | | | | | | | | | | | | | |
| B | 25° 08.033”N | 82° 16.395”E | | | | | | | | | | | | | | | | | | |
| C | 25° 07.942”N | 82° 16.432”E | | | | | | | | | | | | | | | | | | |
| D | 25° 07.950”N | 82° 16.363”E | | | | | | | | | | | | | | | | | | |
| 15. | Total Geological Reserves | 4,70,930 m ³ | | | | | | | | | | | | | | | | | | |
| 16. | Total Mineable Reserve | 2,01,426 m ³ | | | | | | | | | | | | | | | | | | |
| 17. | Total Proposed Production | 1,01,200 m ³ (5 years) | | | | | | | | | | | | | | | | | | |
| 18. | Proposed Production /year (as per LoI) | 20,240 m ³ /annum, 56,672 TPA | | | | | | | | | | | | | | | | | | |
| 19. | Sanctioned Period of Mine lease | Plan Period 5 years | | | | | | | | | | | | | | | | | | |
| 20. | Production of mine/day | 67 m ³ /day | | | | | | | | | | | | | | | | | | |
| 21. | Method of Mining | Opencast, /Semi-mechanized | | | | | | | | | | | | | | | | | | |
| 22. | No. of working days | 300 | | | | | | | | | | | | | | | | | | |
| 23. | Working hours/day | 8 | | | | | | | | | | | | | | | | | | |
| 24. | No. of worker | 38 | | | | | | | | | | | | | | | | | | |
| 25. | No. of vehicles movement/day | 8 | | | | | | | | | | | | | | | | | | |
| 26. | Type of Land | Govt./Non Forest Land | | | | | | | | | | | | | | | | | | |
| 27. | Depth of Mining | 12.0 m | | | | | | | | | | | | | | | | | | |
| 28. | Nearest metalled road from site | 0.15 km | | | | | | | | | | | | | | | | | | |
| 29. | Water Requirement | <table><tr><td colspan="2">PURPOSE</td></tr><tr><td>Drinking</td><td>- 0.38 KLD</td></tr><tr><td>Suppression of dust</td><td>- 1.8 KLD</td></tr><tr><td>Plantation</td><td>- 0.20 KLD</td></tr><tr><td>Others (if any)</td><td>- 0.00 KLD</td></tr><tr><td>Total</td><td>- 2.38 KLD</td></tr></table> | | | PURPOSE | | Drinking | - 0.38 KLD | Suppression of dust | - 1.8 KLD | Plantation | - 0.20 KLD | Others (if any) | - 0.00 KLD | Total | - 2.38 KLD | | | | |
| PURPOSE | | | | | | | | | | | | | | | | | | | | |
| Drinking | - 0.38 KLD | | | | | | | | | | | | | | | | | | | |
| Suppression of dust | - 1.8 KLD | | | | | | | | | | | | | | | | | | | |
| Plantation | - 0.20 KLD | | | | | | | | | | | | | | | | | | | |
| Others (if any) | - 0.00 KLD | | | | | | | | | | | | | | | | | | | |
| Total | - 2.38 KLD | | | | | | | | | | | | | | | | | | | |
| 30. | Name of QCI Accredited Consultant with QCI No and period of validity. | Paramarsh Servicing Environment and development NABET/EIA/2124 RA 0224, Valid till –01 May 2024 | | | | | | | | | | | | | | | | | | |
| 31. | Any litigation pending against the project or land in any court | No | | | | | | | | | | | | | | | | | | |
| 32. | Details of 500 m Cluster Certificate verified by Mining Officer | Letter No – 3096 /Khanij/2021-22, dated - 14/09/2021 | | | | | | | | | | | | | | | | | | |
| 33. | Details of Lease Area in approved DSR | Serial no. 422, Page no. 39 | | | | | | | | | | | | | | | | | | |
| 34. | Project Cost | 1.25 Crore/year | | | | | | | | | | | | | | | | | | |
| 35. | Proposed CER cost | 2.50 lacs/annum | | | | | | | | | | | | | | | | | | |
| 36. | Length and breadth of Haul Road | Length – 0.15 km, Breadth – 6.00 m | | | | | | | | | | | | | | | | | | |
| 37. | No. of Trees to be Planted | 200 | | | | | | | | | | | | | | | | | | |

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

RESOLUTION AGAINST AGENDA NO. 02

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

Additional TOR:

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit and activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. A verification report by at least 05 persons along with their mobile number and identity card.
3. Project proponent must take minimum 15 days new monitoring data to co-relate with previous data.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

3. Establishment of Grain Based Distillery of Capacity 150 KLD (RS/ENA/ Ethanol) along with 4 MW at Khasra No.- 22 aa mi, 22 mi, 24 mi, 24 mi, 19 aa, 19 mi, 17 & 18, Village- Chhata, Tehsil- Chhata, Mathura, U.P., Shri Mahendra Nathani, M/s PTI Distilleries & Beverages Pvt. Ltd., File No. 6293/Proposal No. SIA/UP/IND2/62879/2021

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental & Technical Research Centre, Lucknow, U.P. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Establishment of Grain Based Distillery of Capacity 150 KLD (RS/ENA/ Ethanol) along with 4 MW at Khasra No.- 22 aa mi, 22 mi, 24 mi, 24 mi, 19 aa, 19 mi, 17 & 18, Village- Chhata, Tehsil- Chhata, Mathura, U.P., M/s PTI Distilleries & Beverages Pvt. Ltd.
2. The standard terms of reference in the matter were issued through online Parivesh portal on 27/05/2021.
3. Public hearing organized on 01/11/2021 at the project site and final EIA report submitted by the project proponent on 13/01/2022.
4. Salient features of the project:

| Particulars | Details |
|-------------------------------------|---|
| Brief description about the project | Proposed Grain based Distillery unit capacity: 150 KLD along with 4.0 |

| | |
|---|---|
| | MW co - gen power plant. |
| Plot area | 5.66 Hectare (13.98 Acre) |
| % of greenbelt provided | 33% (1.87 Hectare or 4.62 Acre) of the total project area will be covered under greenbelt & plantation. |
| Land use change required | Existing Land use of proposed site is industrial, as the land is already under the possession of M/s PTI Distilleries & Beverages Private Limited (Distillery Division) |
| Sources of Air + Noise pollution | Air: Stack emissions: Biomass / Coal Fired Boiler (35 TPH) Fugitive emissions: Handling & transportation of Raw material, fuel, fly ash Noise: Exhaust fans, compressors, pumps, motors, boiler turbine |
| Estimated project cost | Rs. 14400.0 Lakhs |
| EMP Cost | Capital Cost: Rs. 2250.0 Lakhs Recurring Cost: Rs. 400 Lakh/ annum |
| CER Cost | Rs. 144 Lakh |
| Manpower | 150 persons (40 Skilled, 60 Semi-skilled and 50 Contractual) |
| Details of environment officers with qualifications | The environment officers will be appointed after installation of distillery unit with adequate qualifications. (M.Sc./M.Tech Environment) |
| Water consumption/day | Total fresh water requirement for the proposed project will be 971 KLD (Water requirement for first run would be 3150 KLD, which will be reduced through recycling of 2179 m ³ / day of treated water/ Condensates.). |
| Source of water | Ground water |
| Permission from CGWA or any other agency | Online application for ground water abstraction has been filed in online portal of Ground Water Department (Uttar Pradesh) and it is under process in department |
| Energy consumption | Power Consumption - 3890 KWH. Source: Unit have 33 KV HT connection Surplus power will be exported to State Grid. |
| Kind of fuel used | Rice Husk / Coal |
| Quantity of fuel used | 384 / 210 TPD |
| Waste Water generated/day | 800 KLD (Multi effect evaporator, Cooling tower blow down, spent lees, vacuum pump sealing water, process condensate and CIP of fermenter) |
| Treatment facility with capacity | Reverse osmosis plant will be installed as tertiary treatment in CPU unit and CPU Capacity 1150 KLD. |
| Mode of discharge | Zero Liquid Discharge |
| Number of Operation days | 365 Days / Annum |

5. Land use details:

| Sr No | Land use | Area (sqm) | Area in % |
|-------|----------------|------------|-----------|
| 1 | Roof Top | 11886 | 21 |
| 2 | Green Belt | 18678 | 33 |
| 3 | Road and Paved | 9622 | 17 |
| 4 | Open area | 16414 | 29 |
| | Grand Total | 56600 | 100 |

6. Raw material details:

| Particular | Quantity (MT/Day) | Storage | Source of raw material & Mode of Transportation |
|---|-------------------|--------------|---|
| Damaged Grain & Coarse Grain like Broken Rice, Jwar, Bajra, Maize, etc which is not fit for human consumption | 335 T/day | 3000 MT Silo | Local supplier via road |
| Other Chemicals | | | |
| Antifoam (TFM – 60 %) | 270 kg | 8.5 T | Nearby Market by Truck. |
| R Cide (Biocide) | 7.2 ml/day | 0.25 T | |
| Sodium meta Bisulfide | 57 gm/day | 2.0 T | |
| Penicillin G | 9 mg/day | 0.5 MT | |
| N Chemical | 1210 kg/day | 25 MT | |

| | | |
|-----------------------|------------|-------|
| Liquefying Enzymes | 369 kg/day | 12 MT |
| Saccharifying Enzymes | 417 kg/day | 12 MT |
| R Zymes | 51 kg/day | 2MT |
| DAP | 246 kg/day | 10 MT |
| Sulphuric Acid | 126 kg/day | 4 MT |
| Caustic Lye (process) | 126 kg/day | 4 MT |
| Caustic Lye (CIP) | 312 kg/day | 10 MT |

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

RESOLUTION AGAINST AGENDA NO-03

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

- I.** Plantation work will be completed in the first year.
- II.** Construction work shall not be stated without taken prior NOC from Ground Water Authority.
- III.** Project Proponent shall identify 05 villages and adopt them for its development.
- IV.** Statutory compliance:
 1. 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.
 2. 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 purposes involved in the project.
 3. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 4. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
 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 authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
 7. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989
- V.** **Air quality monitoring and preservation:**
 1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 2. The project proponent shall install system carryout to Ambient Air Quality

monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).

3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

VI. Water quality monitoring and preservation:

1. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
2. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
3. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
4. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
5. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
6. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.
7. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

VII. Noise monitoring and prevention:

1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

VIII. Energy Conservation measures:

1. The energy sources for lighting purposes shall preferably be LED based.

IX. Waste management:

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
3. The company shall undertake waste minimization measures as below :-
 - iii. Metering and control of quantities of active ingredients to minimize waste .
 - iv. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - v. Use of automated filling to minimize spillage.
 - vi. Use of Close Feed system into batch reactors.
 - vii. Venting equipment through vapour recovery system.
 - viii. Use of high pressure hoses for equipment clearing to reduce wastewater generation

X. Green Belt:

1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

XI. Safety, Public hearing and Human health issues:

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
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, creche 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 and records maintained as per the Factories Act.
6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

XII. 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 I 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.
5. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

XIII. Miscellaneous:

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
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 monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary.
14. The Company in a time bound manner shall implement these conditions.
15. 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.
16. 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.
17. 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.

4. Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram” Mining at Gata No.-199, Khand No.- 01, Village- Naigawan, Tehsil- Sadar, Mahoba. Shri Ashwani Rawat, M/s PNC Infratech Ltd. Area : 4.0 ha., File No. 6874/Proposal No. SIA/UP/MIN/71143/2022

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

1. The terms of reference is sought for “Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram” Project at Gata No.-199, Khand No.- 01, Village- Naigawan, Tehsil- Sadar, District- Mahoba, U.P., (Leased Area- 4.0 ha.), M/S PNC Infratech Ltd.
2. Salient features of the project as submitted by the project proponent:

| | | | | | | | | |
|---------|---|--|---------|--------------|---------------|---|------------------|------------------|
| 1. | On-line proposal No. | SIA/UP/MIN/71139/2022 | | | | | | |
| 2. | File No. allotted by SEIAA, UP | 6874 | | | | | | |
| 3. | Name of Proponent | M/S PNC Infratech Ltd. Shri Ashwani Rawat S/O Shri Devi Prasad Rawat | | | | | | |
| 4. | Full correspondence address of proponent | Head Office PNC Tower, 3/22-D, Civil Lines Bypass Road, NH-02 , Agra, U.P. | | | | | | |
| 5. | Name of Project | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram MiningProject | | | | | | |
| 6. | Project location (Plot/ Khasra /Gata No.) | Gata No.-199, Khand No.- 01 | | | | | | |
| 7. | Name of Village | Naigawan | | | | | | |
| 8. | Tehsil | Mahoba | | | | | | |
| 9. | District | Mahoba | | | | | | |
| 10. | Name of Minor Mineral | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram | | | | | | |
| 11. | Sanctioned LeaseArea (inHa.) | 4.0ha. | | | | | | |
| 12. | Max.& Min mRL within lease area | 230 mRL- 203 mRL | | | | | | |
| 13. | Pillar Coordinates(Verified by DMO) | <table border="1"> <tr> <td>Pillars</td><td>Latitude (N)</td><td>Longitude (E)</td></tr> <tr> <td>A</td><td>25° 20' 06.687"N</td><td>79° 59' 50.348"E</td></tr> </table> | Pillars | Latitude (N) | Longitude (E) | A | 25° 20' 06.687"N | 79° 59' 50.348"E |
| Pillars | Latitude (N) | Longitude (E) | | | | | | |
| A | 25° 20' 06.687"N | 79° 59' 50.348"E | | | | | | |

| | | | | |
|-----|---|--|--|------------------|
| | | B | 25° 20' 04.236"N | 79° 59' 57.224"E |
| | | C | 25° 19' 55.743"N | 79° 59' 53.059"E |
| | | D | 25° 19' 56.938"N | 79° 59' 50.698"E |
| 14. | Total Geological Reserves | 5185592m ³ | | |
| 15. | Total Mineable Reserves | 1400064m ³ | | |
| 16. | Total Proposed Production (in five year) | 620000 m ³ | | |
| 17. | Proposed Production / year | Year | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram | |
| | | 1 st | 124000 m ³ | |
| | | 2 nd | 124000 m ³ | |
| | | 3 rd | 124000 m ³ | |
| | | 4 th | 124000 m ³ | |
| | | 5 th | 124000 m ³ | |
| | | Total | 620000m ³ | |
| 18. | Sanctioned Period of Mine lease | 10 Years | | |
| 19. | Method of Mining | Opencast Semi-Mechanized | | |
| 20. | No.of working days | 300 days | | |
| 21. | Working hours/day | 8 Hours/Day | | |
| 22. | No.Of workers | 37 (approx.) | | |
| 23. | No.Of vehicle movement /day | 42 (approx.) | | |
| 24. | Type of Land | Govt. revenue land | | |
| 25. | Ultimate Depth of Mining | 6 meter (average) | | |
| 26. | Nearest metalled road from site | 0.70 km | | |
| 27. | Water Requirement | PURPOSE | REQUIREMENT (KLD) | |
| | | Drinking& Others | 0.40 | |
| | | Suppression of dust | 4.20 | |
| | | Plantation | 4.00 | |
| | | Others(if any) | ----- | |
| | | Total | 8.60 | |
| 28. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024 | | |
| 29. | Any litigation pending against the project or land in any court | No | | |
| 30. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Mahobavide Letter No. 1862/MMC-30/2021-22 Dated 06 nd October, 2021 | | |
| 31. | Details of Lease Area in approved DSR | DM Correction Letter 8471/MMC-30-Khanij/2020-21 dated 10.03.2021 Page No.-01, S.No.- 11 | | |
| 32. | Proposed CER cost | 1.75 Lakh | | |
| 33. | Proposed EMP cost | 29.45 Lakh | | |
| 34. | Length and breadth of Haul Road. | Length- 0.70 km, Width- more than 6.0 m | | |
| 35. | No. of Trees to be Planted | 4000 | | |

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

RESOLUTION AGAINST AGENDA NO. 04

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

Additional TOR:

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit and activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. A verification report by at least 05 persons along with their mobile number and identity card.
3. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
4. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
6. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
7. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
8. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

5. Khandas-Boulder /Gitti-Ballast Mining at Gata No-22(Khand No.-15, Village: Dunara, Tehsil: Sadar, Jhansi., Shri Mukul Yadav, Area: 2.0 Ha, File No. 6875/Proposal No. SIA/UP/MIN/71143/2022

RESOLUTION AGAINST AGENDA NO-05

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 level of SEAC-1. The matter will be discussed only after submission of online request on prescribed online portal.

6. Stone Mining at Gata No.- 83 G, Sl. No. 04, in Village- Bhusi Pathraha, Tehsil-Lalganj, Mirzapur, M/s Divya Stone Works,Area 2.23 ha., File No. 6877/Proposal No. SIA/UP/MIN/71163/2022

RESOLUTION AGAINST AGENDA NO-06

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 level of SEAC-1. The matter will be discussed only after submission of online request on prescribed online portal.

7. Stone Mining at Gata No.- 83 G, Sl. No. 05, Village- Bhusi Pathraha, Tehsil-Lalganj, Mirzapur, M/s Divya Stone Works, Area 2.83 ha., File No. 6878/Proposal No. SIA/UP/MIN/71163/2022

RESOLUTION AGAINST AGENDA NO-07

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 level of SEAC-1. The matter will be discussed only after submission of online request on prescribed online portal.

8. Stone (Khanda, Boulder, Bailast Gitti & Pahari Red Morram) Mining at Gata No.2456Kh, Khand No.2.0, Village-Pahra, Mahoba. Shri Abhinandan Jain & Shri Anirudha Jain, M/s Ideal Buildtech Pvt, Ltd., Area : 4.0 ha., File No. 6879/Proposal No. SIA/UP/MIN/71173/2022

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

1. The terms of reference is sought for Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram Mining at Gata No.- 2456 Kh(Khand No.- 2), Village- Pahra, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 4.0 ha.), M/s Ideal Buildtech Private Limited.
2. Salient features of the project as submitted by the project proponent:

| | | | | |
|-----|---|--|--|-----------------|
| 1. | On-line proposal No. | SIA/UP/MIN/71173/2022 | | |
| 2. | File No. allotted by SEIAA, UP | 6879 | | |
| 3. | Name of Proponent | Ideal Buildtech Private Limited, Shri Abhinandan Jain & Shri Anirudha Jain S/o Shri Pradeep Kumar Jain | | |
| 4. | Full correspondence address of proponent | Add- Cabin No.- 01, Ground Floor, PNC Tower, 3/22 D Civil Line, Bye Pass Road, Agra, U.P. | | |
| 5. | Name of Project | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram MiningProject | | |
| 6. | Project location (Plot/ Khasra /Gata No.) | Gata No.- 2456 Kh(Khand No.- 2) | | |
| 7. | Name of Village | Pahra | | |
| 8. | Tehsil | Mahoba | | |
| 9. | District | Mahoba | | |
| 10. | Name of Minor Mineral | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram | | |
| 11. | Sanctioned LeaseArea (inHa.) | 4.0ha. | | |
| 12. | Max.& Min mRL within lease area | 190 mRL- 163 mRL | | |
| 13. | Pillar Coordinates(Verified by DMO) | Pillars | Latitude (N) | Longitude (E) |
| | | A | 25° 20' 55.334"N | 80°04' 43.864"E |
| | | B | 25° 20' 57.088"N | 80°04' 44.151"E |
| | | C | 25° 20' 56.680"N | 80°04' 46.930"E |
| | | D | 25° 20' 55.370"N | 80°04' 49.216"E |
| | | E | 25° 20' 55.856"N | 80°04' 50.365"E |
| | | F | 25° 20' 49.603"N | 80°04' 49.119"E |
| | | G | 25° 20' 49.956"N | 80°04' 47.783"E |
| | | H | 25° 20' 48.548"N | 80°04' 44.224"E |
| | | I | 25° 20' 48.443"N | 80°04' 42.333"E |
| 14. | Total Geological Reserves | 5350410 m ³ | | |
| 15. | Total Mineable Reserves | 1406450 m ³ | | |
| 16. | Total Proposed Production (in five year) | 620000 m ³ | | |
| 17. | Proposed Production / year | Year | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram | |
| | | 1 st | 124000 m ³ | |
| | | 2 nd | 124000 m ³ | |
| | | 3 rd | 124000 m ³ | |
| | | 4 th | 124000 m ³ | |
| | | 5 th | 124000 m ³ | |
| | | Total | 620000m ³ | |
| 18. | Sanctioned Period of Mine lease | 10 Years | | |
| 19. | Method of Mining | Opencast Semi-Mechanized | | |
| 20. | No.of working days | 300 days | | |

| | | | |
|-----|---|--|-------------------|
| 21. | Working hours/day | 8 Hours/Day | |
| 22. | No.Of workers | 37 (approx.) | |
| 23. | No.Of vehicle movement /day | 42 (approx.) | |
| 24. | Type of Land | Govt. revenue land | |
| 25. | Ultimate Depth of Mining | 6 meter (average) | |
| 26. | Nearest metalled road from site | 0.70 km | |
| 27. | Water Requirement | PURPOSE | REQUIREMENT (KLD) |
| | | Drinking& Others | 0.40 |
| | | Suppression of dust | 4.20 |
| | | Plantation | 4.00 |
| | | Others(if any) | ----- |
| | | Total | 8.60 |
| 28. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024 | |
| 29. | Any litigation pending against the project or land in any court | No | |
| 30. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Mahobavide Letter No. 1864/MMC-30/2021-22 Dated 06 nd October, 2021 | |
| 31. | Details of Lease Area in approved DSR | DM Correction Letter 8471/MMC-30-Khanij/2020-21 dated 10.03.2021Page No.-02, S.No.- 35 | |
| 32. | Proposed CER cost | 1.75 Lakh | |
| 33. | Proposed EMP cost | 29.45 Lakh | |
| 34. | Length and breadth of Haul Road. | Length- 0.70 km, Width- more than 6.0 m | |
| 35. | No. of Trees to be Planted | 4000 | |

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

RESOLUTION AGAINST AGENDA NO. 08

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

Additional TOR:

- To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit and activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
- A verification report by at least 05 persons along with their mobile number and identity card.
- The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
- The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
- Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
- Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source

- points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
7. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
 8. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

9. Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram” Minig at Gata No.- 2456 Kh, Khand No.- 01, Village- Pahra, Tehsil- & District- Mahoba, U.P. Shri Abhinandan Jain & Shri Anirudha Jain Area :4.0 ha., File No. 6880/Proposal No. SIA/UP/MIN/71141/2022

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

1. The terms of reference is sought for Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram Mining at Gata No.- 2456 Kh (Khand No.- 1), Village- Pahra, Tehsil- Mahoba, District- Mahoba, U.P., (Leased Area- 4.0 ha.), M/s Ideal Buildtech Private Limited.
2. Salient features of the project as submitted by the project proponent:

| | | | | |
|-----|---|--|--|-----------------|
| 1. | On-line proposal No. | SIA/UP/MIN/71141/2022 | | |
| 2. | File No. allotted by SEIAA, UP | 6880 | | |
| 3. | Name of Proponent | Ideal Buildtech Private Limited, Shri Abhinandan Jain & Shri Anirudha Jain S/o Shri Pradeep Kumar Jain | | |
| 4. | Full correspondence address of proponent | Add- Cabin No.- 01, Ground Floor, PNC Tower, 3/22 D Civil Line, Bye Pass Road, Agra, U.P. | | |
| 5. | Name of Project | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram MiningProject | | |
| 6. | Project location (Plot/ Khasra /Gata No.) | Gata No.- 2456 Kh(Khand No.- 1) | | |
| 7. | Name of Village | Pahra | | |
| 8. | Tehsil | Mahoba | | |
| 9. | District | Mahoba | | |
| 10. | Name of Minor Mineral | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram | | |
| 11. | Sanctioned LeaseArea (inHa.) | 4.0ha. | | |
| 12. | Max.& Min mRL within lease area | 190 mRL- 166 mRL | | |
| 13. | Pillar Coordinates(Verified by DMO) | Pillars | Latitude (N) | Longitude (E) |
| | | A | 25° 20' 56.993"N | 80°04' 36.588"E |
| | | B | 25° 20' 55.982"N | 80°04' 40.267"E |
| | | C | 25° 20' 55.341"N | 80°04' 40.066"E |
| | | D | 25° 20' 55.334"N | 80°04' 43.864"E |
| | | E | 25° 20' 48.443"N | 80°04' 42.333"E |
| | | F | 25° 20' 49.937"N | 80°04' 38.902"E |
| | | G | 25° 20' 51.482"N | 80°04' 38.305"E |
| | | H | 25° 20' 53.710"N | 80°04' 32.890"E |
| 14. | Total Geological Reserves | 5277518 m ³ | | |
| 15. | Total Mineable Reserves | 1262452 m ³ | | |
| 16. | Total Proposed Production (in five year) | 620000 m ³ | | |
| 17. | Proposed Production / year | Year | Building Stone (Khanda, Boulder, Bailast (Gitti) & Pahari Red Morram | |
| | | 1 st | 124000 m ³ | |
| | | 2 nd | 124000 m ³ | |
| | | 3 rd | 124000 m ³ | |

| | | | |
|-----|---|--|-----------------------|
| | | 4 th | 124000 m ³ |
| | | 5 th | 124000 m ³ |
| | | Total | 620000m ³ |
| 18. | Sanctioned Period of Mine lease | 10 Years | |
| 19. | Method of Mining | Opencast Semi-Mechanized | |
| 20. | No.of working days | 300 days | |
| 21. | Working hours/day | 8 Hours/Day | |
| 22. | No.Of workers | 37 (approx.) | |
| 23. | No.Of vehicle movement /day | 42 (approx.) | |
| 24. | Type of Land | Govt. revenue land | |
| 25. | Ultimate Depth of Mining | 6 meter (average) | |
| 26. | Nearest metalled road from site | 0.70 km | |
| 27. | Water Requirement | PURPOSE | REQUIREMENT (KLD) |
| | | Drinking& Others | 0.40 |
| | | Suppression of dust | 4.20 |
| | | Plantation | 4.00 |
| | | Others(if any) | ----- |
| | | Total | 8.60 |
| 28. | Name of QCI Accredited Consultant with QCI No and period of validity. | M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024 | |
| 29. | Any litigation pending against the project or land in any court | No | |
| 30. | Details of 500 m Cluster Map & certificate Verified by Mining Officer | DMO, Mahobavide Letter No. 1863/MMC-30/2021-22 Dated 06 nd October, 2021 | |
| 31. | Details of Lease Area in approved DSR | DM Correction Letter 8471/MMC-30-Khanij/2020-21 dated 10.03.2021Page No.-02, S.No.- 34 | |
| 32. | Proposed CER cost | 1.75 Lakh | |
| 33. | Proposed EMP cost | 29.45 Lakh | |
| 34. | Length and breadth of Haul Road. | Length- 0.70 km, Width- more than 6.0 m | |
| 35. | No. of Trees to be Planted | 4000 | |

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

RESOLUTION AGAINST AGENDA NO. 09

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

Additional TOR:

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit and activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. A verification report by at least 05 persons along with their mobile number and identity card.
3. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.

4. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
6. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
7. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
8. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

10. Stone, Khanda, Boulder, Ballast (Gitty) (Granite) Mining at Araj No. 989, Khand No.-15, Village-Makarbai, Tehsil- Sadar, District- Mahoba, Shri Mahendra Kumar Pandey, Area- 1.214 Ha. , File No. 6883/Proposal No. SIA/UP/MIN/71237/2022

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P.). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Building Stone, Khanda, Boulder, Ballast (Gitty) (Granite) Mining at Araj No. 989, Khand No.-15, Village-Makarbai, Tehsil- Sadar, District- Mahoba, U.P. (Leased Area- 1.214 Ha.).
2. Salient features of the project as submitted by the project proponent:

| | | | |
|--|---|--------------------|---------------------|
| 1. On-line proposal No. | SIA/UP/MIN/71237/2022 | | |
| 2. File No. allotted by SEIAA, U.P | 6883 | | |
| 3. Name of Proponent | M/s Shraddha Infrastructure Shri Mahendra Kumar Pandey S/O – Shri Shivgopal Pandey | | |
| 4. Full correspondence address of proponent and mobile no. | Mu. Azad Nagar, Kabrai, Tehsil - Sadar, District-Mahoba (U.P.) | | |
| 5. Name of Project | Building Stone, Khanda, Boulder, Blastt (Gitti), [Granite] Mining Project | | |
| 6. Project location (Plot/Khasra/Gata No.) | Arazi No. 989 Khand No. – 15 | | |
| 7. Name of River | NA | | |
| 8. Name of Village | Makarbai | | |
| 9. Tehsil | Sadar | | |
| 10. District | Mahoba (U.P.) | | |
| 11. Name of Minor Mineral | Building Stone, Khanda, Boulder, Blastt (Gitti), [Granite] Mining Project | | |
| 12. Sanctioned Lease Area (in Ha.) | 1.214 Ha. | | |
| 13. Mineable Area (in Ha.) | 1.172 Ha. (Safety Margin 0.042Ha.) | | |
| 14. Zero level mRL | NA | | |
| 15. Max. & Min mrl within lease area | The RL found within the lease area is 151m within the quarry | | |
| 16. Pillar Coordinates (Verified by DMO) | Pillar | Latitude(N) | Longitude(E) |
| | A | 25°19'54.540"N | 79°59'23.468"E |
| | B | 25°19'53.621"N | 79°59'25.242"E |
| | C | 25°19'46.719"N | 79°59'24.023"E |
| | D | 25°19'47.549"N | 79°59'22.277"E |
| 17. Total Geological Reserves | 1,81,313 m ³ | | |
| 18. Sanction Quantity as per LOI | 39,455 m ³ per year | | |
| 19. Total Proposed Production (in five year) | 1,97,275 m ³ in 5 year | | |

| | | |
|---|---|-------------------------------------|
| 20. Proposed Production/year | 39,455 m3 per year | |
| 21. Sanctioned Period of Mine lease | 10 Years as per LOI | |
| 22. Production of mine/day | 157.82 m ³ /day | |
| 23. Method of Mining | Open cast, Semi-Mechanized | |
| 24. No. of working days | 250 | |
| 25. Working hours/day | 8 hours/day | |
| 26. No. Of workers | 34 | |
| 27. No. Of vehicles movement/day | 12-13 Vehicles movement/day | |
| 28. Type of Land | Building Stone, Khanda, Boulder, Blastt (Gitti), [Granite] Mining Project | |
| 29. Ultimate Depth of Mining | 15.0 m for five years | |
| 30. Nearest metalled road from site | NH-34 at 4.22 km towards West direction from the project site. | |
| 31. Water Requirement | PURPOSE | REQUIREMENT (KLD) |
| | Drinking water | 0.44 KLD |
| | Dust suppression | 5.34 KLD |
| | Plantation | 1.214 KLD |
| | Others (if any) | - |
| | Total | 6.994 KLD or 7.0 KLD approx. |
| 32. Name of QCI Accredited Consultant with QCI No and period of validity. | Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022 | |
| 33. Any litigation pending against the project or land in any court | No | |
| 34. Details of 500 m Cluster Map & certificate issued by Mining Officer | Letter No. 1523/ एम०एम०सी०-30/2021-22 on Date-06/09/2021 | |
| 35. Details of Lease Area in approved DSR | Letter No. 8471/MMC-30-Khanij/2020-21 Page No. 01, S.No. 02 | |
| 36. Proposed EMP cost | Rs. 29,94,950/- | |
| 37. Proposed Total Project cost | Rs. 1,00,00,000/- | |
| 38. Length and breadth of Haul Road | 445 m length and 6.0 m width | |
| 39. No. of Trees to be Planted | 1214 | |

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

RESOLUTION AGAINST AGENDA NO. 10

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

Additional TOR:

- To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit and activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
- A verification report by at least 05 persons along with their mobile number and identity card.
- The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.

4. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
6. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
7. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
8. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

(Dr. Ajai Mishra)
Member

(Dr. Ratan Kar)
Member

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra Sharma)
Member

(Rajive Kumar)
Chairman

Nodal, SEAC-1

MoM prepared by Secretariat in consultation with
Chairman & Members on the basis of decisions
taken by SEAC-1 during the meeting.

Annexure-1

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

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

the forestry clearance should also be furnished.

- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 21) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 22) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 23) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 25) Description of water conservation measures proposed to be adopted in the Project should be given.

- 26) Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 29) Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 30) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 31) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 32) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 33) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 34) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 35) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 36) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 37) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 38) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 39) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 40) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 41) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 42) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 43) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 44) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall

clearly indicate environmental, social, economic, employment potential, etc.

45) Besides the above, the below mentioned general points are also to be followed:-

- a) Executive Summary of the EIA/EMP Report
- b) All documents to be properly referenced with index and continuous page numbering.
- c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
- d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
- e) Where the documents provided are in a language other than English, an English translation should be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.