# Minutes of 608<sup>th</sup> SEAC-1 Meeting Dated 20/12/2021

The  $608^{\text{th}}$  meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dualmode (physically/virtually) at 11:00 AM on 20/12/2021. Following members participated in the meeting:

| 1.             | Shri Rajive Kumar,                                     | Chairman, SEAC-1   |
|----------------|--|--|
| 2              | Shri Om Prakash Srivastava                             | Member SEAC-1 (Virtually)  |
| 2.<br>3.<br>4. | Dr. Brij Bihari Awasthi,<br>Shri Umesh Chandra Sharma, | Member, SEAC-1 (Virtually)<br>Member, SEAC-1 (Virtually)<br>Member, SEAC-1 |

The Chairman welcomed the members to the 608<sup>th</sup> 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. <u>Stone, Gitti, Khanda & Boulder Mining at Gata No. 281 (Khand No.- 08), Village-Madorakhurd, Tehsil- Moth & District- Jhansi, Shri Ratan Singh Yadav, M/s Ratan Stone Gramodhyog Area- 1.214 Ha. File No. 6014/Proposal No. SIA/UP/MIN/58853/2020</u>

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

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.

# 2. <u>Stone, Khanda, Boulder, Ballast (Gitty) Mining at Gata No. 1509 in Village- Pahra,</u> <u>Tehsil- Sadar, Mahoba, Shri Chunubad., Area 1.133 Ha. File No. 6706/Proposal No.</u> <u>SIA/UP/MIN/241083/2021</u>

#### **RESOLUTION AGAINST AGENDA NO-02**

The Secretariat informed the committee that the above project proposal has already been taken in SEAC meeting dated 18/12/2021. Hence, no action is required in the matter.

# 3. <u>Stone, Khanda, Boulder, Ballast, Granite Mining at Gata No.93 Khand-31, Village-Bari, Tehsil-Sadar, Mahoba., Shri Vishal Singh, Area 1.012 Ha. File No. 6707/Proposal No. SIA/UP/MIN/69511/2021</u>

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. 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 (Gitti) (Granite) Mining at Arazi No-93, Village Bari, Tehsil-Sadar, Mahoba (U.P.)., (Leased Area 1.012 Ha).

| 2.  | 2. Salient features of the project as submitted by the project proponent: |  |                      |   |                         |      |
|-----|---|--|----------------------|---|-------------------------|------|
| 1.  | On-line proposal No.  | SIA/UP/MIN/  | 69511/2021           |   |                         |      |
| 2.  | File No. allotted by SEIAA, U.P   | 6707   |                      |   |                         |      |
| 3.  | Name of Proponent   | Shri Vishal Si                                     | ngh S/o Shri Vinod   | Kuma  | ar Singh                |      |
| 4.  | Full correspondence address of proponent                                  | R/o - H. No 2                                      | 2/838, Vivek Khand   | l, Thai                                       | na- Gomti Nagar,        |      |
|     | and mobile no.  | District-Luck                                      | now, U.P.            |   |                         |      |
| 5.  | Name of Project   | Building Stone                                     | e, Khanda, Boulder,  | , Balla                                       | st (Gitti) (Granite)    |      |
|     |   | Mining Projec                                      | t                    |   |                         |      |
| 6.  | Project location (Plot/Khasra/Gata No.)                                   | Arazi No. 93 (                                     | Khand No. $-31$ ),   |   |                         |      |
| 7.  | Name of River   | NA   |                      |   |                         |      |
| 8.  | Name of Village   | Bari   |                      |   |                         |      |
| 9.  | Tehsil  | Sadar  |                      |   |                         |      |
| 10. | District  | Mahoba (U.P.                                       | )                    |   |                         |      |
| 11. | Name of Minor Mineral   | Building Stone                                     | e, Khanda, Boulder,  | , Balla                                       | st (Gitti)(Granite) Mir | ning |
|     |   | Project  |                      |   |                         | -    |
| 12. | Sanctioned Lease Area (in Ha.)  | 1.012 Ha.  |                      |   |                         |      |
| 13. | Mineable Area (in Ha.)  | 0.9108 Ha. (Sa                                     | afety Margin 0.1012  | 2Ha.)   |                         |      |
| 14. | Zero level mRL  | NA   |                      |   |                         |      |
| 15. | Max. & Min mrl within lease area  | Maximum & M  | Minimum mRL is 18    | 80 & 1  | 165 mRL respectively.   |      |
| 16. | Pillar Coordinates (Verified by DMO)                                      | Pillar   | Latitude(N)          |   | Longitude(E)            |      |
|     |   | А  | N25°25'01 110        | "   | E79°54'31 316"          | 1    |
|     |   | B  | N25°25'02 190        | "   | E79°54'34 344"          | -    |
|     |   | C C  | N25°25'00 778        | "   | E79°54'35 665"          | -    |
|     |   |  | N25°24'58.050        | "   | E79°54'31 151"          | -    |
|     |   | E N0500500 7140 E7005421 (200                      |                      |   |                         | -    |
| 17  |   | E N25°25'00./14" E/9°54'31.630"                    |                      |   |                         |      |
| 17. | Total Geological Reserves   | 1,04,580 m <sup>2</sup>                            |                      |   |                         |      |
| 18. | Sanction Quantity as per LOI  | 36,179 m <sup>2</sup> per year as per LOI          |                      |   |                         |      |
| 19. | Total Proposed Production (in five year)                                  | 1,80,895 m <sup>3</sup> in five year               |                      |   |                         |      |
| 20. | Proposed Production/year  | 36,179 m <sup>o</sup> per                          | year                 |   |                         |      |
| 21. | Sanctioned Period of Mine lease   | 10 Years as pe                                     | er LOI               |   |                         |      |
| 22. | Method of Mining  | Open cast, Ser                                     | ni-Mechanized        |   |                         |      |
| 23. | No. of working days   | 250  |                      |   |                         |      |
| 24. | Working hours/day   | 8 hours/day  |                      |   |                         |      |
| 25. | No. Of workers  | 26   |                      |   |                         |      |
| 26. | No. Of vehicles movement/day  | 12-14 Vehicle                                      | s movement/day       |   | (~                      |      |
| 27. | Type of Land  | Building Stone                                     | e(Khanda, Boulder,   | Balla   | st (Gitti)(Granite) Min | ung  |
| •   |   | Project  |                      |   |                         |      |
| 28. | Ultimate Depth of Mining  | 6.0 m  |                      | .1 1  |                         |      |
| 29. | Nearest metalled road from site   | NH-34 is abou                                      | it 8.7 km towards So | outh d  | irection from the proje | ect  |
| 20  |   | site.  |                      |   |                         |      |
| 30. | Water Requirement   | PURPOSE REQUIREMENT (KLD                           |                      |   | D)                      |      |
|     |   | Drinking water 0.36 KLD                            |                      |   |                         |      |
|     |   | Dust suppression 5.04 KLD                          |                      |   |                         |      |
|     |   | Plantation 1.012 KLD                               |                      |   |                         |      |
| -   |   | Others (if any)                                    |                      |   |                         |      |
|     |   | Total6.4 KLD Approx.                               |                      |   |                         |      |
| 31. | Name of QCI Accredited Consultant with                                    | Environmental Research and Analysis, Lucknow (U.P) |                      |   |                         |      |
|     |   | Certificate No. NABE1/EIA/ 1922/RA 0200            |                      |   |                         |      |
|     | and period of validity.   | valid up to 30 Dec, 2022                           |                      |   |                         |      |
| 32. | Any inigation pending against the project                                 | t No   |                      |   |                         |      |
| 22  | or land in any court  |  | 0/ 10/ 00/20/21 2    | <u>, , , , , , , , , , , , , , , , , , , </u> | D 4 12/00/2021          |      |
| 33. | Details of 500 m Cluster Map & certificate                                | Letter No. 131                                     | 0/ MMC-30/2021-2     | 22 on 1                                       | Date- 13/08/2021        |      |

| issued by Mining Officer                  |                                   |
|---|-----------------------------------|
| 34. Details of Lease Area in approved DSR | In DSR Page No. 88, serial no 118 |
| 35. Proposed EMP cost                     | Rs 25, 75,100/-                   |
| 36. Proposed Total Project cost           | Rs. 85,00,000/-                   |
| 37. Length and breadth of Haul Road       | 420 m length and 6.0 m width      |
| 38. No. of Trees to be Planted            | 1012                              |

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 ecofragile zone such as the habitat of any wild fauna.
- 5. There is no litigation pending in any court regarding this project.
- 6. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

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

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated flowing additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.

# 4. <u>Stone, Khanda, Boulder, Ballast (Gitty), Granite Mine at Araji No. 199 (Khand - 02),</u> <u>Village- Naigawan, Tehsil- Sadar Mahoba., Shri Prashant Malviya., Area 4.0 Ha. File</u> <u>No. 6708/Proposal No. SIA/UP/MIN/69513/2021</u>

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. 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, Blastt (Gitti), Granite & Red Morrum Mining at Arazi No-199 (Khand No. – 02), Village Naigawan, Tehsil-Sadar, Mahoba (U.P.), (Leased Area 4.0 Ha).

| 1. On-line proposal No.                         | SIA/UP/MIN/69513/2021  |
|---|--|
| 2. File No. allotted by SEIAA, U.P              | 6708   |
| 3. Name of Proponent                            | M/s Silver Mist Retail Pvt. Ltd.                             |
|   | Director- Shri Prashant Malviya & Shri Neeraj Dave           |
| 4. Full correspondence address of proponent and | R/o – 1, Ramganj Ward, Sohagpur                              |
| mobile no.                                      | Tehsil & Dist: Hoshangabad (M.P.)                            |
| 5. Name of Project                              | Building Stone, Khanda, Boulder, Blastt (Gitti), [Granite] & |
|   | Red Morrum Mining Project                                    |
| 6. Project location (Plot/Khasra/Gata No.)      | Arazi No. 199 (Khand No. – 02),                              |
| 7. Name of River                                | NA   |
| 8. Name of Village                              | Naigawan   |
| 9. Tehsil                                       | Sadar  |
| 10. District                                    | Mahoba (U.P.)  |
| 11. Name of Minor Mineral                       | Building Stone, Khanda, Boulder, Blastt (Gitti), [Granite] & |
|   | Red Morrum Mining Project                                    |
| 12. Sanctioned Lease Area (in Ha.)              | 4.0 Ha.  |
| 13. Mineable Area (in Ha.)                      | 3.6 Ha. (Safety Margin 0.4 Ha.)                              |
| 14. Zero level mRL                              | NA   |

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

| 15. Max. & Min mrl within lease area                                       | Maximum & Minimum mRL is 239 & 224 mRL respectively.   |                     |                             |  |  |
|--|--|---------------------|-----------------------------|--|--|
| 16. Pillar Coordinates (Verified by DMO)                                   | Pillar   | Latitude(N)         | Longitude(E)                |  |  |
|  | A  | 25°20'10.571"N      | 79°59'49.387"E              |  |  |
|  | B  | 25°20'10.075"N      | 80°00'00.036"E              |  |  |
|  | С  | 25°20'04.236"N      | 79°59'57.224"E              |  |  |
|  | D  | 25°20'06.687"N      | 79°59'50.348"E              |  |  |
| 17. Total Geological Reserves  | 15,28,050 m <sup>3</sup>                               |                     |                             |  |  |
| 18. Sanction Quantity as per LOI   | 1,24,000 m <sup>3</sup> pe                             | er year as per LOI  |                             |  |  |
| 19. Total Proposed Production (in five year)                               | 6,20,000 m <sup>3</sup> in                             | n five year         |                             |  |  |
| 20. Proposed Production/year   | 1,24,000 m <sup>3</sup> pe                             | er year             |                             |  |  |
| 21. Sanctioned Period of Mine lease  | 10 Years as pe   | er LOI              |                             |  |  |
| 22. Method of Mining   | Open cast, Ser   | ni-Mechanized       |                             |  |  |
| 23. No. of working days  | 250  |                     |                             |  |  |
| 24. Working hours/day  | 8 hours/day  |                     |                             |  |  |
| 25. No. Of workers   | 40   |                     |                             |  |  |
| 26. No. Of vehicles movement/day   | 38-40 Vehicles movement/day                            |                     |                             |  |  |
| 27. Type of Land   | Building Stone   | e, Khanda, Boulder, | Blastt (Gitti), [Granite] & |  |  |
|  | Red Morrum Mining Project                              |                     |                             |  |  |
| 28. Ultimate Depth of Mining   | 6.0 m  |                     |                             |  |  |
| 29. Nearest metalled road from site  | NH-34 is about 4.2 km towards West direction from the  |                     |                             |  |  |
|  | project site.  |                     |                             |  |  |
| 30. Water Requirement  | PURPOSE  | ŀ                   | REQUIREMENT (KLD)           |  |  |
|  | Drinking wate  | r                   | 0.5 KLD                     |  |  |
|  | Dust suppressi   | ion                 | 6.0 KLD                     |  |  |
|  | Plantation   |                     | 4.0 KLD                     |  |  |
|  | Others (if any)  | )                   | -                           |  |  |
|  | Total  |                     | 10.5 KLD Approx.            |  |  |
| 31. Name of QCI Accredited Consultant with QCI                             | Environmental  | l Research and Ana  | lysis, Lucknow (U.P)        |  |  |
| No   | Certificate No. NABET/ EIA/ 1922/RA 0200               |                     |                             |  |  |
| and period of validity.  | Valid up to 30 Dec, 2022                               |                     |                             |  |  |
| 32. Any litigation pending against the project or                          | No   |                     |                             |  |  |
| land in any court  | L  |                     |                             |  |  |
| 33. Details of 500 m Cluster Map & certificate<br>issued by Mining Officer | Letter No. 1185/ MMC-30/2021-22 on Date- 0//08/2021    |                     |                             |  |  |
| 34. Details of Lease Area in approved DSR                                  | 8471/एम॰ एम॰सी॰ – 30- खनिज/2020-21 दिनांक – 10/03/2021 |                     |                             |  |  |
| 35. Proposed EMP cost  | Rs. 65,70,000/-  |                     |                             |  |  |
| 36. Proposed Total Project cost  | Rs. 3,00,000/-   |                     |                             |  |  |
| 37. Length and breadth of Haul Road  | 500 m length and 6.0 m width                           |                     |                             |  |  |
| 38. 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 ecofragile 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. 04**

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated flowing additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.

# 5. <u>Building Stone, Khanda, Boulder, Balast (Gitti)" at Arazi No- 339 (Khand No: 39 Naya,</u> <u>21 Purana) Area 1.619 ha. in Village Daharra Tehsil & District Mahoba., M/s Anil</u> <u>Kumar Agarwal Mines Contractor. File No. 6709/Proposal No.</u> <u>SIA/UP/MIN/69519/2021</u>

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

- The terms of reference is sought for Building Stone, Khanda, Boulder, Blastt (Gitti) at Arazi No-339 (Khand No. 39 Naya, 21 Purana), Village Daharra, Tehsil-Sadar, Mahoba (U.P.), (Leased Area 1.619 Ha).
- 2. Salient features of the project as submitted by the project proponent:

| 1. On-line proposal No.                         | SIA/UP/MIN/69519/2021                                      |                          |                         |  |  |
|---|--|--------------------------|-------------------------|--|--|
| 2. File No. allotted by SEIAA, U.P              | 6709   |                          |                         |  |  |
| 3. Name of Proponent                            | M/s Anil Kumar Agarwal Mines Contractor                    |                          |                         |  |  |
|   | Proprietor- Shri Anil Kumar Agarwal S/o Shri Yatish Chanda |                          |                         |  |  |
|   | Agarwal  |                          |                         |  |  |
| 4. Full correspondence address of proponent and | R/o- Choti Baz   | zar, Banda District- Bar | nda (U.P.)              |  |  |
| mobile no.                                      |  |                          |                         |  |  |
| 5. Name of Project                              | Building Stone   | e, Khanda, Boulder, Bla  | astt (Gitti), [Granite] |  |  |
|   | Mining Project   | et                       |                         |  |  |
| 6. Project location (Plot/Khasra/Gata No.)      | Arazi No. 339  | (Khand No. – 39 Naya     | , 21 Purana),           |  |  |
| 7. Name of River                                | NA   |                          |                         |  |  |
| 8. Name of Village                              | Daharra  |                          |                         |  |  |
| 9. Tehsil                                       | Sadar  |                          |                         |  |  |
| 10. District                                    | Mahoba (U.P.)  | )                        |                         |  |  |
| 11. Name of Minor Mineral                       | Building Stone   | e, Khanda, Boulder, Bla  | astt (Gitti), [Granite] |  |  |
|   | Mining Project   |                          |                         |  |  |
| 12. Sanctioned Lease Area (in Ha.)              | 1.619 Ha.  |                          |                         |  |  |
| 13. Mineable Area (in Ha.)                      | 1.4571 Ha. (Sa   | afety Margin 0.1619 Ha   | l. )                    |  |  |
| 14. Zero level mRL                              | NA   |                          |                         |  |  |
| 15. Max. & Min mrl within lease area            | The RL found within the leasehold is 210mRL within the     |                          |                         |  |  |
|   | quarry.  |                          |                         |  |  |
| 16. Pillar Coordinates (Verified by DMO)        | Pillar   | Latitude(N)              | Longitude(E)            |  |  |
|   | A  | N25°20'09.172"           | E79°57'49.118"          |  |  |
|   | В  | N25°20'08.502"           | E79°57'53.554"          |  |  |
|   | C  | N25°20'04.585"           | E79°57'53.283"          |  |  |
|   | D  | N25°20'04.624"           | E79°57'48.690"          |  |  |
| 17. Total Geological Reserves                   | 4,62,360 m <sup>3</sup>                                    |                          |                         |  |  |
| 18. Sanction Quantity as per LOI                | 57,880 m <sup>3</sup> per                                  | year as per LOI          |                         |  |  |
| 19. Total Proposed Production (in five year)    | $2,89,400 \text{ m}^3$ in five year                        |                          |                         |  |  |
| 20. Proposed Production/year                    | 57,880 m <sup>3</sup> per year                             |                          |                         |  |  |
| 21. Sanctioned Period of Mine lease             | 10 Years as per LOI  |                          |                         |  |  |
| 22. Method of Mining                            | Open cast, Semi-Mechanized                                 |                          |                         |  |  |
| 23. No. of working days                         | 250  |                          |                         |  |  |
| 24. Working hours/day                           | 8 hours/day  |                          |                         |  |  |
| 25. No. Of workers                              | 29   |                          |                         |  |  |
| 26. No. Of vehicles movement/day                | 18-20 Vehicles movement/day                                |                          |                         |  |  |
| 27. Type of Land                                | Building Stone   | e, Khanda, Boulder, Bla  | astt (Gitti), [Granite] |  |  |
|   | Mining Project   | et                       |                         |  |  |

| 28. Ultimate Depth of Mining                      | 6.0 m   |                                 |  |  |
|---|---|---------------------------------|--|--|
| 29. Nearest metalled road from site               | NH-86/76 at 1.85 km towards                             | s North-West direction from the |  |  |
|   | Project site.   |                                 |  |  |
| 30. Water Requirement                             | PURPOSE   | REQUIREMENT (KLD)               |  |  |
|   | Drinking water  | 0.39 KLD                        |  |  |
|   | Dust suppression  | 6.0 KLD                         |  |  |
|   | Plantation  | 1.619 KLD                       |  |  |
|   | Others (if any)   | -                               |  |  |
|   | Total   | 8.0 KLD Approx.                 |  |  |
| 31. Name of QCI Accredited Consultant with QCI    | Environmental Research and Analysis, Lucknow (U.P)      |                                 |  |  |
| No  | Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 |                                 |  |  |
| and period of validity.                           | Dec, 2022   |                                 |  |  |
| 32. Any litigation pending against the project or | No  |                                 |  |  |
| land in any court                                 |   |                                 |  |  |
| 33. Details of 500 m Cluster Map & certificate    | Letter No. 1161/ एम०एम०सी                               | •-30/2021-22 on Date-           |  |  |
| issued by Mining Officer                          | 05/08/2021  |                                 |  |  |
| 34. Details of Lease Area in approved DSR         | Page No. 86, S.No. 60                                   |                                 |  |  |
| 35. Proposed EMP cost                             | Rs. 36,52,325/-   |                                 |  |  |
| 36. Proposed Total Project cost                   | Rs. 2,00,00,000/-                                       |                                 |  |  |
| 37. Length and breadth of Haul Road               | 250 m length and 6.0 m width                            | 1                               |  |  |
| 38. No. of Trees to be Planted                    | 1619  |                                 |  |  |

- 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 ecofragile zone such as the habitat of any wild fauna.
- 5. There is no litigation pending in any court regarding this project.
- 6. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

# **RESOLUTION AGAINST AGENDA NO. 05**

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated flowing additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.

# 6. <u>Stone Gitty/Boulders Dolo stone Mining at Arazi No. /Khasra/ Gata No-7536</u> <u>Ga.Mi.(khand-4)Village-BilliMarkundi,Tehsil–Obra, Sonbhadra., Shri Ajay Kumar</u> <u>Singh, M/s Shri Ram Associates.,Area 4.0 Ha. File No. 6711/Proposal No.</u> <u>SIA/UP/MIN/69557/2021</u>

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

1. The terms of reference is sought for Building Stone Gitty/Boulders Dolostone Mining Project at Gata no. 7536 Ga.Mi., (Khand-4), Village: Billi Markundi, Tehsil- Obra, District- Sonbhadra, State-Uttar Pradesh, (Leased Area 4.00 ha.).

| 2. Suitent foutures of the project us submitted o      | y the project proponer                |  |                         |  |  |  |
|--|---------------------------------------|--|-------------------------|--|--|--|
| 1. On-line proposal No.                                | SIA/UP/MIN/6955                       | SIA/UP/MIN/69557/2021  |                         |  |  |  |
| 2. File No. allotted by SEIAA, UP                      | 6711                                  | 6711   |                         |  |  |  |
| 3. Name of Proponent                                   | M/s Shri Ram Asso<br>Singh            | M/s Shri Ram Associates and Partner Shri Ajay Kumar<br>Singh |                         |  |  |  |
| 4. Full correspondence address of proponent and        | M/s Shri Ram Asso                     | M/s Shri Ram Associates                                      |                         |  |  |  |
| mobile no.   | Dala Chadhai, Dal                     | a, District-Sonb   | hadra                   |  |  |  |
|  | Partner- Shri Ajay                    | Kumar Singh  |                         |  |  |  |
|  | S/o Sri Omkar Natl                    | h Singh,   |                         |  |  |  |
|  | Address – H.no. 18                    | 3/188, Ayappa T  | emple, Sector- 18, P.S  |  |  |  |
|  | Obra, District- Son                   | bhadra, Uttar Pi   | radesh.                 |  |  |  |
| 5. Name of Project                                     | Building Stone Git                    | tty/Boulders Do  | olostone Mining Project |  |  |  |
|  | (Khand-4)                             |  |                         |  |  |  |
| 6. Project location (Plot/Khasra/Gata No.)             | 7536 Ga.Mi.                           |  |                         |  |  |  |
| 7. Name of Village                                     | Billi Markundi                        |  |                         |  |  |  |
| 8. Tensil  | Obra District Control 1               | TH: D 1 1  |                         |  |  |  |
| 9. District  | District Sonbhadra,                   | , Uttar Pradesh  |                         |  |  |  |
| 10. Name of Minor Mineral                              | Building Stone Git                    | ty/Boulders Dol  | ostone                  |  |  |  |
| 11. Sanctioned Lease Area (in Ha.)                     | 4.00 hectare.                         | DI   |                         |  |  |  |
| 12. Max. & Min mri Within lease area                   | 192 mRL & 183 m                       | $\frac{KL}{(L-1-OI)}$  | I '+ 1 (E)              |  |  |  |
| 13. Pillar Coordinates (Verified by DMO)               | Pillers La                            | $\frac{1111100}{27125}$                                      | Longitude (E)           |  |  |  |
|  | A 24°.                                | 27'35.48''N  | 83°02'13.15"E           |  |  |  |
|  | $B = 24^\circ$                        | 2/43.3/"N  | 83°02'18.08"E           |  |  |  |
|  | $C = 24^\circ$                        | 27'41.50"N   | 83°02'20.37"E           |  |  |  |
|  | D 24°.                                | 27'41.30"N   | 83°02'24.64"E           |  |  |  |
|  | $E = 24^\circ$                        | 27'35.54"N   | 83°02'19.45"E           |  |  |  |
|  | $F = 24^\circ$                        | 27'34.98"N   | 83°02'18.47"E           |  |  |  |
|  | <u> </u>                              | 2735.38"N  | 83°02'10.99"E           |  |  |  |
| 14 Total Goalagical Pasarwas                           | <u>П</u> 24 .                         | 2733.10 N  | 83 02 13.30 E           |  |  |  |
| 14. Total Geological Reserves                          | 13/1553 cum                           |  |                         |  |  |  |
| 15. Total Willeable Reserves III LOI                   | 6 40 000 cum (1st )                   | Veer to 5th Vee  | r)                      |  |  |  |
| 17. Proposed Production/year                           | 1 28 000 cum/annu                     | $\frac{1}{2}$ m or 3 20 000 T                                | ΓΡΛ                     |  |  |  |
| 18 Sanctioned Period of Mine lease                     | 10 years                              | 111 01 5,20,000 1  | IA                      |  |  |  |
| 19 Method of Mining                                    | Opencast semi-med                     | chanized Metho   | d                       |  |  |  |
| 20 No. of working days                                 |                                       |  | u                       |  |  |  |
| 21 Working hours/day                                   | 8                                     |  |                         |  |  |  |
| 22 No. Of workers                                      | 40                                    |  |                         |  |  |  |
| 23 No. Of vehicles movement/day                        | 22                                    |  |                         |  |  |  |
| 24. Type of Land                                       | Waste Land                            |  |                         |  |  |  |
| 25. Ultimate Depth of Mining                           | upto 126 mRL                          | unto 126 mRL   |                         |  |  |  |
| 26. Nearest metalled road from site                    | SH-5A                                 |  |                         |  |  |  |
| 27. Water Requirement                                  | PURPOSE                               | PURPOSE REOUREMENT (KLD)                                     |                         |  |  |  |
|  | Drinking 0.4 KLD                      |  | D                       |  |  |  |
|  | Suppression of dust 1.8 KLD           |  | D                       |  |  |  |
|  | Plantation                            | Plantation 16.5 KLD  |                         |  |  |  |
|  | Others (if any)                       | Others (if any) 0.0 KLD                                      |                         |  |  |  |
|  | Total 18.70 KLD                       |  |                         |  |  |  |
| 28. Name of QCI Accredited Consultant with OCI N       | o P & M Solution                      |  |                         |  |  |  |
| and period of validity.                                | Certificate No: NABET/EIA/1922/IA0053 |  |                         |  |  |  |
|  | Validity=10-12-2022                   |  |                         |  |  |  |
| 29. Any litigation pending against the project or land | l No                                  |  |                         |  |  |  |
| in any court.  |                                       |  |                         |  |  |  |
| 30. Details of 500 m Cluster Map & certificate issue   | d Letter No. 3251/Kh                  | nanij/2021 dated   | 1 30-09-2021            |  |  |  |

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

| by Mining Officer                         |  |
|---|--|
| 31. Details of Lease Area in approved DSR | Attached   |
| 32. Proposed CSR cost                     | RS- 1,60,000 /-  |
| 33. Proposed EMP cost                     | Rs-18,85,000 (Capital cost)                                |
|   | Rs-4,60,000 (Recurring cost)                               |
| 34. Length and breadth of Haul Road       | 300 m, 6 m   |
| 35. No. of Trees to be Planted            | About 3300 trees will be planted along both sides of roads |
|   | and civic amenities in consultation with the local         |
|   | authorities.   |

- 3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
- 4. The mining operation will not be carried out in the safety zone of any bridge or embankment or ecofragile 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. 06**

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated flowing additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.

# 7. <u>Khanda-Boulder/ Gitti-Ballast Mine at Gata No 98 (Khand 03) Village- Karanpura,</u> <u>Tehsil-Garautha, Jhansi.,Shri Bharat Premani,,Area0.8090 ha. File No. 6712/Proposal</u> <u>No. SIA/UP/MIN/241319/2021</u>

# **RESOLUTION AGAINST AGENDA NO-07**

The Secretariat informed the committee that the above project proposal has already been taken in SEAC meeting dated 18/12/2021. Hence, no action is required in the matter.

# 8. <u>Building Stone Gitty/Boulders Dolo Stone Mining at Arazi No. /Khasra/ Gata No-7536</u> <u>Ga.Mi. (khand-2), Village-Billi Markundi, Tehsil-Obra, Sonbhadra.Shri Alok</u> <u>Singh.,M/sGaneshay Enterprises.,Area 4.0 Ha. File No. 6715/Proposal No.</u> <u>SIA/UP/MIN/69615/2021</u>

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

- 1. The terms of reference is sought for Building Stone Gitty/Boulders Dolostone Mining Project (Khand-2), Village: Billi Markundi, Tehsil- Obra, District- Sonbhadra, State-Uttar Pradesh. (Leased Area 4.00 ha.).
- 2. Salient features of the project as submitted by the project proponent:

| 1. On-line proposal No.                                | SIA/UP/MI  | N/69615/2021               |  |                          |    |
|--|--|----------------------------|--|--------------------------|----|
| 2. File No. allotted by SEIAA, UP                      | 6715   |                            |  |                          |    |
| 3. Name of Proponent                                   | M/s Ganesh   | nay Enterprises            | and Par  | tner Shri Alok Singh     |    |
| 4. Full correspondence address of proponent and        | M/s Ganeshav Enrerprises                               |                            |  |                          |    |
| mobile no.   | Gram-Gady  | va, Uttari, Post-          | - Rampu  | r kalan, Dist-Chandauli  | i. |
|  | Partner- Sh  | ri Alok Singh              | 1  | ,                        |    |
|  | S/o Sri:- Pr   | abhu Naravan S             | Singh.   |                          |    |
|  | Address – I  | H.No 62/77. 1              | Kashipa  | ura. P.S- Chauk. Tahsil  | -  |
|  | Sadar Distr  | ict – Varanasi.            | Uttar Pra  | adesh.                   |    |
| 5. Name of Project                                     | Building St  | tone Gitty/Bou             | lders Do   | plostone Mining Project  | t  |
|  | (Khand-2)  | j·                         |  | 8j                       |    |
| 6. Project location (Plot/Khasra/Gata No.)             | 7536 Ga.M  | i.                         |  |                          |    |
| 7. Name of Village                                     | Billi Marku  | ındi                       |  |                          |    |
| 8. Tehsil  | Obra   |                            |  |                          |    |
| 9. District  | District Sor   | bhadra. Uttar F            | Pradesh  |                          |    |
| 10. Name of Minor Mineral                              | Building St  | one Gitty/Boul             | ders Dol   | ostone                   |    |
| 11 Sanctioned Lease Area (in Ha)                       | 4 00 hectar  | e                          |  |                          |    |
| 12 Max & Min mrl within lease area                     | 288 mRL &  | 7 188 mRL                  |  |                          |    |
| 13 Pillar Coordinates (Verified by DMO)                | Pillers  | Latitude (                 | N)   | Longitude (F)            |    |
| 15. This coordinates (vernice by Divio)                |  | 24°27'39.6                 | 0"N  | 83°02'07 25"F            |    |
|  | B  | 24 27 35.00                | 0"N  | 83°02'07.25 E            |    |
|  |  | 24 27 45.9                 | 8"N  | 83°02'10 77"E            |    |
|  |  | 24 27 40.20                | 2"N  | 83°02'10.77 E            |    |
| 14 Total Goalegical Reserves                           | 2278780 au   | 24 27 43.0                 | 2 1  | 65 02 15.62 E            |    |
| 14. Total Geological Reserves                          | 1522250 eu   |                            |  |                          |    |
| 15. Total Milleable Reserves in LOI                    | 1322230 cu   | III                        | 541. V   |                          |    |
| 16. Total Proposed Production (in five year)           | 0,40,000 cu  | $\frac{1}{1}$ (1st Year to | $\frac{310}{20}$ $\frac{1}{200}$ $\frac{1}{200}$ | r)                       |    |
| 17. Proposed Production/year                           | 1,28,000 cu  | im/annum or 3,.            | 20,000 1   | IPA                      |    |
| 18. Sanctioned Period of Mine lease                    | 10 years   | · 1 ·                      | 1 1 1  | 1                        |    |
| 19. Method of Mining                                   | Opencast se  | emi-mechanized             | 1 Metho  | a                        |    |
| 20. No. of working days                                | 300  |                            |  |                          |    |
| 21. Working hours/day                                  | 8  |                            |  |                          |    |
| 22. No. OI workers                                     | /1   |                            |  |                          |    |
| 23. No. Of venicles movement/day                       | ZZ   | 1                          |  |                          |    |
| 24. Type of Land                                       | waste Land   |                            |  |                          |    |
| 26. Necessary metalled used from site                  | upto 226 m   | KL                         |  |                          |    |
| 20. Nearest metalled road from site                    | SH-JA  |                            | DEOU   | IDEMENT (VID)            |    |
| 27. water Requirement                                  | PURPOSE<br>Duinlain a                                  |                            | REQU   | IREMENT (KLD)            |    |
|  | Drinking   | 6 1 4                      | 0./1 K   |                          |    |
|  | Suppression  | n of dust                  | 3.18 K   |                          |    |
|  | Plantation   | - )                        | 10.5 K   | LD<br>D                  |    |
|  | Others (if any) 0.0 KLD                                |                            |  |                          |    |
|  |  |                            | 20.39~   | 20.40 KLD                |    |
| 28. Name of QCI Accredited Consultant with QCI No      | P & M Solt   | Ition                      | A /1000  | 11 4 0 0 5 2             |    |
| and period of validity.                                | Validity=10-12-2022                                    |                            |  |                          |    |
|  | $\frac{1}{1000} 1000000000000000000000000000000000000$ |                            |  |                          |    |
| 29. Any litigation pending against the project or land | NO   |                            |  |                          |    |
| 111 any court.   | d Latter No. 2252/Khomii/2021 d-t-d 20.00.2021         |                            |  |                          |    |
| by Mining Officer                                      | Letter No. 3252/Khanij/2021 dated 30-09-2021           |                            |  |                          |    |
| 31. Details of Lease Area in approved DSR              | Attached   |                            |  |                          |    |
| 32. Proposed CSR cost                                  | RS- 1,60,000 /-  |                            |  |                          |    |
| 33. Proposed EMP cost                                  | Rs-12,92,500 (Capital cost)                            |                            |  |                          |    |
|  | Rs-4,60,000 (Recurring cost)                           |                            |  |                          |    |
| 34. Length and breadth of Haul Road                    | 530 m, 6 m   |                            |  |                          |    |
| 35. No. of Trees to be Planted                         | About 3300   | ) trees will be p          | lanted a   | long both sides of roads | s  |

| authorities. | and  | civic    | amenities | in | consultation | with | the | local |
|--------------|------|----------|-----------|----|--------------|------|-----|-------|
|              | auth | orities. |           |    |              |      |     |       |

- 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 ecofragile 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. 08**

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-2. The committee also stipulated flowing additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.

# 9. Expansion of Induction Furnace and Rolling Mills 53000 MT PA Induction furnace and 60000 MT TMT Bars to 2,25000 MT PA (115000 MT Ibgot 110000 MT TMT Bars), at Khasra No.- 2074 & 2090, Village- Sujru, Muzaffarnagar, U.P., M/s Sarvottam Rolling Mills Pvt. Ltd. File No. 5714/Proposal No. SIA/UP/IND/ 160305/2020

The committee noted that the matter was earlier discussed in 479<sup>th</sup> SEAC meeting dated 27/07/2020 and directed the project proponent to submit following information:

- 1. Details of exposure and specific health status evaluation of the workers on designed format is required.
- 2. Comparative chart of use of resources, pollution, demand of energy, water, power, workers, waste generation and pollution abetment equipment should be provided.
- 3. Environmental parameters including air & water to be rechecked.
- 4. Environmental cost benefit analysis should be properly described.
- 5. List of flora & fauna to be rechecked.
- 6. Photographs of present green belt at the site.
- 7. Determination of atmosphere inversion level at project site taking into consideration the meteorological parameters.
- 8. Plantation of 1500 trees/hectare is to be justified.

The project proponent submitted their replies vide letter dated 28/10/2021. A presentation was made by the project proponent. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged:

- The environmental clearance is sought for Proposed Expansion of Induction Furnace and Rolling Mills 53000 MTPA Induction furnace and 60000 MT TMT Bars to 2,25000 MT PA (115000 MT INGOT 110000 MT TMT Bars) at Khasra No.- 2074 & 2090, Village-Sujru, District-Muzaffarnagar, U.P., M/s Sarvottam Rolling Mills Pvt. Ltd.
- 2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 19/Parya/SEAC/4629/2018, dated 03/05/2021.
- 3. Public hearing was organized on 04/02/2020 at Auditorium of Collectorate Office, District Muzaffarnagar, Uttar Pradesh. Final EIA report submitted by the project proponent on 30/06/2020.

|      | · · · · · · · · · · · · · · · · · · · |                         |
|------|---------------------------------------|-------------------------|
| S.No | AREA STATEMENT                        |                         |
| 1    | Total Land Area                       | 31408.65m <sup>2</sup>  |
| 2    | Total Covered Area                    | 14413.64 m <sup>2</sup> |
| 3    | Total Covered Area RCC Roof Slab      | 1193.70 m <sup>2</sup>  |
| 4    | Total Covered Area                    | 15607.34 m <sup>2</sup> |
| 5    | Open Area                             | $1580.31 \text{ m}^2$   |
| 6    | Green Belt                            | 4711.29 m <sup>2</sup>  |
| 7    | Passage Road Area                     | 7852.16 m <sup>2</sup>  |

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

#### 5. Salient features of the project:

|                          | projecti   |
|--------------------------|--|
| Name and size of         | M/s Sarvottam Rolling Mills Private Limited Proposed Expansion of                |
| the project              | Induction Furnace and Rolling Mills 53000 MT PA induction furnace and            |
|                          | 60000 MT TMT Bars to 2,25000 MT PA (115000 MT Ingot 110000 MT                    |
|                          | TMT Bars)  |
| Location of project      | The proposed unit is located at , Khasra No 2074 & 2090, Village- Sujru,         |
|                          | District- Muzaffarnagar-251001   |
| Type of land             | The total area for land selected for development is 3.14 ha. The land use of the |
|                          | proposed site is industrial land.  |
| Category of the project  | The project falls under item 5(k) and category B as per EIA Notification 2006,   |
|                          | as their subsequent amendment.   |
| Basic requirement of the | Total worker required for the project is 60 nos.                                 |
| project                  | Total water requirement of the project is 125 KLD. The source of water is        |
|                          | borewell.  |
|                          | The power requirement of the project is 9900 KVA.                                |
|                          | The total cost of the project is 3.15 crores.                                    |
| 6. Raw material details: |  |

| 0. 10 | 6. Kuw material deams. |             |              |                |  |  |
|-------|------------------------|-------------|--------------|----------------|--|--|
| S. No | Raw                    | Consumption | Source       | Mode of        |  |  |
|       | material               | (TPD)       |              | transportation |  |  |
| 1.    | Sponge Iron            | 1500 TPA    | Local market | Transported to |  |  |
|       |                        |             |              | plant by road  |  |  |
| 2.    | Ferro Alloys           | 1500 TPA    | Local market | Transported to |  |  |
|       |                        |             |              | plant by road  |  |  |
| 3.    | MS Scrap               | 60000 TPA   | Local market | Transported to |  |  |
|       |                        |             |              | plant by road  |  |  |

# 7. Waste generation details:

| , i i i i i i i i i i i i i i i i i i i |                  |   |                     |
|---|------------------|---|---------------------|
| Category                                | Type of waste    | Treatment method  | Waste               |
|   |                  |   | kg/day              |
| Biodegradable                           | Organic waste    | Disposed off MSW site through approved vendor   | 10                  |
| Non-Biodegradable                       | Recyclable waste | Packing material, plastic, cardboard given to approved recycler   | 20                  |
|   | Inert Waste Slag | This material shall be disposed off in a<br>Closed way e.q. filling of gapes in building<br>construction and using it as base material for<br>platforms and road and as supplementary<br>material in making pre-cast concrete block<br>etc. | 60 to 70<br>ton/day |

# 8. Water calculation details:

| S.No. | Activity | Required Quantity (in KLD) | Waste water generation<br>(in KLD) |
|-------|----------|----------------------------|------------------------------------|
| 1     | Domestic | 5                          | 3                                  |
|       |          | 100                        | 0                                  |

| 2                                     | Cooling Tower |         |  |  |  |  |
|---------------------------------------|---------------|---------|--|--|--|--|
| 3                                     | Gardening     | 20      | 0  |  |  |  |
|                                       | Total         | 125 KLD | 2.4 KLD-80% of this shall be used in gardening |  |  |  |
| Source: Ground water through Borewell |               |         |  |  |  |  |

STP Capacity : 04 KLD

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

#### **RESOLUTION AGAINST AGENDA NO-09**

The committee discussed the matter and recommended grant of Environmental clearance for the project proposal along with following standards environmental clearance conditions prescribed by MoEF&CC, Govt. of India:

- I. Statutory compliance:
  - I. 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.
  - II. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  - III. 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).
  - IV. The project proponent shall obtain Consent to Establish I Operate under the provisions of Air (Prevention & Control of Pollution) Act, I 981 and the Water (Prevention & Control of Pollution) Act, I 974 from the concerned State pollution Control Board/ Committee.
  - V. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water I from the competent authority concerned in case of drawl of surface water required for the project.
  - VI. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- II. Air quality monitoring and preservation:
  - I. 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 I 986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 201S(Thermal Power Plants) as amended from time to time) 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.
  - II. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, I 986 or NABL accredited laboratories.
  - III. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PMt0 and PM2.s 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  $120^{\circ}$  each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)

- IV. 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 sixmonthly monitoring report.
- V. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- VI. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- VII. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- VIII. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- IX. The project proponent shall use leak proof trucks /dumpers carrying coal and other raw materials and cover them with tarpaulin.
- X. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- XI. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- XII. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.
- III. Water quality monitoring and preservation:
  - I. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) 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. (case to case basis small plants: Manual; Large plants: Continuous)
  - II. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers /sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
  - III. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
  - IV. Adhere to 'Zero Liquid Discharge'.
  - V. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
  - VI. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
  - VII. Garland drains and collection pits shall be provided for each stock pile to arrest the

run-off in the event of heavy rains and to check the water pollution due to surface run off

- VIII. The project proponent shall practice rainwater harvesting to maximum possible extent.
- IX. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- IV. Noise monitoring and prevention:
  - I. 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.
  - II. 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.
- V. Energy Conservation measures
  - I. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
  - II. Practice hot charging of slabs and billets /blooms as far as possible.
  - III. Ensure installation of regenerative type burners on all reheating furnaces .
  - IV. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
  - V. Provide the project proponent for LED lights in their offices and residential areas.
- VI. Waste management:
  - I. Used refractories shall be recycled as far as possible.
  - II. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
  - III. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
  - IV. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
  - V. Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plant).
- VII. Green Belt:
  - I. 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
  - II. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- VIII. Public hearing and Human health issues:
  - I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  - II. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

- III. 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.
- IV. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- IX. Corporate Environment Responsibility:
  - I. 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.
  - II. The company shall have a well laid down environmental policy duly approve 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 I wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest I wildlife norms / conditions and / or shareholders I 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.
  - III. 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.
  - IV. 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 Minis try/Regional Office along with the Six Monthly Compliance Report.
  - V. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
  - VI. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.
- X. Miscellaneous:
  - I. 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 loc a l 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.
  - II. 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.
  - III. 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.
  - IV. The project proponent shall monitor the criteria pollutants level namely; PM10, S02, 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.
  - V. The project proponent shall submit six-monthly reports on the status of the

compliance of the stipulate d environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

- VI. 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.
- VII. 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.
- VIII. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- IX. 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.
- X. 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).
- XI. 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, 19 86.
- XII. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- XIII. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- XIV. 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.
- XV. 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.
- XVI. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section I 6 of the National Green Tribunal Act, 2010.

# 10. <u>Construction of Residential & Non Residential Buildings of "PAC Mahila Battalion" at</u> <u>Gorakhpur, U.P. By Shri Dev Narayan Yadav, Commandant, Veerangana Jhalkari Bai</u> <u>Mahila Police Battalion, Gorakhpur. File No. 6716/Proposal No.</u> <u>SIA/UP/MIS/241719/2021</u>

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

1. The environmental clearance is sought for Construction of Residential & Non Residential Buildings of "PAC Mahila Battalion" at Gorakhpur, U.P., Commandant, Veerangana Jhalkari Bai Mahila Police Battalion, Gorakhpur.

- Total plot area of the site is of 1, 09,780 sq.mtrs and built up area 1,33,766.89 m<sup>2</sup>
  Salient features of the project is as follows:

| S. N.  | Particulars                             |                         | PROPO                    | SED                   | )                       |             |  |
|--------|---|-------------------------|--------------------------|-----------------------|-------------------------|-------------|--|
| 1.     | Net plot area                           | 1,09,780 m <sup>2</sup> |                          | $n^2$                 |                         |             |  |
| 2.     | Proposed far                            |                         | 1.18.243.4m <sup>2</sup> |                       | $4m^2$                  |             |  |
| 3      | Proposed ground coverage                |                         | 16.639.64m <sup>2</sup>  |                       |                         |             |  |
| 4.     | Total built up area                     |                         | 1,33,76                  | 6.891                 | m <sup>2</sup>          |             |  |
| 5.     | Maximum no. Of floors                   |                         | Stilt+G                  | +19F                  | Floors [Type-III Housin | g]          |  |
| 6.     | Expected population                     |                         | 7,849                    |                       |                         |             |  |
| 7.     | Total water requirement                 |                         | 748KLI                   | D                     |                         |             |  |
|        | Domestic water requirement              |                         | 581 KL                   | D                     |                         |             |  |
|        | Fresh water requirement                 |                         | 435KLI                   | D                     |                         |             |  |
| 8.     | Total recycled water                    |                         | 418KLI                   | 418KLD                |                         |             |  |
| 9.     | Waste water generation                  |                         | 522 KLD                  |                       |                         |             |  |
|        | Stp capacity                            |                         | STP Ca                   | pacit                 | ty - 875KLD             |             |  |
|        | Technology                              |                         | MBBR                     |                       |                         |             |  |
| 10.    | Total power requirement & source        |                         | 6,375kV                  | VA; I                 | UPPCL                   |             |  |
| 11.    | Power backup dg sets capacity           |                         | DG Sets                  | s 4*                  | 750kVA for each         |             |  |
| 12.    | Rainwater harvesting pit                |                         | 26                       |                       |                         |             |  |
| 13.    | Total parking proposed                  |                         | 869 EC                   | S                     |                         |             |  |
| 14.    | Total solid waste generation            |                         | 3,387kg                  | g/day                 | [3.387TPD]              |             |  |
| 15.    | Project cost                            |                         | Approx                   | .511                  | .22Cr.                  |             |  |
| 16.    | Maximum height of the building          |                         | 65.700                   | mtrs                  | (Mumty)                 |             |  |
| 17.    | Solar power capacity                    |                         | 350KW                    | 'p                    | •                       |             |  |
| 4.     | Area details of the project:            |                         |                          |                       |                         |             |  |
| S. N.  | Description                             |                         |                          | Are                   | $ea(m^2)$               | % Age       |  |
| 1.     | Total Plot Area (TPA)                   |                         |                          | 1.09.780(27.12 Acres) |                         | 100         |  |
| 2.     | Permissible Ground Coverage area (35    | % of TPA                | )                        | 38,423                |                         |             |  |
| 3.     | Permissible FAR (@2)                    |                         | /                        | 2,19,560              |                         |             |  |
| 4.     | Green Area required (50% of Open area)  |                         |                          | 39,015.114            |                         |             |  |
| 5.     | Open area                               |                         |                          | 38,930.228            |                         | 35.46       |  |
| 6.     | Road area                               |                         |                          | 15,110.132            |                         | 13.76       |  |
| 7.     | Proposed Ground coverage (15.15 % o     | f TPA)                  |                          | 16,639.64             |                         | 15.16       |  |
| 8.     | Built Up Area                           | /                       |                          | 1,3                   | 3,766.89                |             |  |
| 9.     | Proposed FAR (@1.21)                    |                         |                          | 1,18,243.4            |                         |             |  |
| 10.    | Non FAR Area                            |                         |                          | 15,523.49             |                         |             |  |
|        | - Stilt area for parking                |                         |                          | 3,6                   | 18.032                  |             |  |
|        | - Total Fire stairs/Pergola/Mumty/OHV   | VT                      |                          | 10,                   | 519.426                 |             |  |
|        | - Underground Floor                     |                         |                          | 1,3                   | 86.032                  |             |  |
| 11.    | Proposed green area (35.61% of Plot and | rea)                    |                          | 39,                   | 100                     | 35.61       |  |
| 5.     | Water calculation details:              |                         |                          |                       |                         |             |  |
| S. No. | Description                             | Total                   | Populati                 | ion/                  | Unit Water              | Total Water |  |
|        |   | area (m <sup>2</sup>    | )/other                  |                       | Consumption (lpcd)      | Requirement |  |
|        |   |                         | (KLD)                    |                       |                         | (KLD)       |  |
|        | Main Uses                               |                         |                          |                       |                         |             |  |
| Reside | ntial Population                        |                         |                          |                       |                         |             |  |
|        | Residential population                  | 5,807                   |                          |                       | 86                      | 499.402     |  |
| Non-R  | esidential Population                   |                         |                          |                       |                         |             |  |
| 2.     | Administrative Block                    | 83                      |                          |                       | 45                      | 3.735       |  |
| 3.     | Quarter Guard                           | 75                      |                          |                       | 86                      | 6.45        |  |
| 4.     | Quarter Master Trade man                | 71                      |                          |                       | 86                      | 6.106       |  |
|        | Workshop                                |                         |                          |                       |                         |             |  |
| 5.     | Recreation Hall                         | 50                      |                          |                       | 15                      | 0.75        |  |
| 6.     | Police Hospital                         | 162                     |                          |                       | 45                      | 7.29        |  |

approx.338.7kg/day

| 7.   | Auditorium  | 800  | 45                  | 36              |  |  |
|--|---|--|---------------------|-----------------|--|--|
| 8.   | Police Club/Community Centre  | 48   | 45                  | 2.16            |  |  |
| 9.   | Radio Complex   | 20   | 45                  | 0.3             |  |  |
| 10.  | Gymnasium Hall  | 75   | 45                  | 3.4             |  |  |
| 11.  | Super Market  | 48   | 15                  | 0.72            |  |  |
| 12.  | Canteen   | 82   | 45                  | 3.69            |  |  |
| 13.  | Multipurpose Shed   | 50   | 15                  | 0.75            |  |  |
| 14.  | Visitors  | 369  | 15                  | 5.535           |  |  |
| 15.  | Staff (M.T. Office or Workshop,<br>Gas Godown, Toilet/Bath, Library,<br>ESS,UGWT,STP, Guard room,<br>Santry, Garbage Yard, Big Garage,<br>Small Garage) | 109  | 45                  | 4.905           |  |  |
|  | DOMESTIC WATER REQUIREME  | ENT -  |                     | 581.193 say 581 |  |  |
| B.   | Other Uses  |  |                     |                 |  |  |
| 16.  | Filter backwash   |  |                     | 28              |  |  |
| 17   | Make up water for DG Cooling  | $4 \times 750 \text{ kVA}$                         | 0.9l/kva/hr (8 hrs) | 21.6 says 22    |  |  |
| 18.  | Landscape area  | 39,100   | 31/m <sup>2</sup>   | 117.3 says 117  |  |  |
|  | TOTAL WATER REQUIREMENT - 748.093 say 748   |  |                     |                 |  |  |
| 6.   | Waste water details:  |  |                     |                 |  |  |
| S. No.   | Description   |  |                     | Quantity (KLD)  |  |  |
| 01   | Fresh water Requirement (70% of   | Fresh water Requirement (70% of domestic water)    |                     |                 |  |  |
| 02   | Flushing water requirement (30%)  | Flushing water requirement (30% of domestic Water) |                     |                 |  |  |
| 03   | Wastewater generation from Filter back wash (@80%)22 KLD  |  |                     |                 |  |  |
| 04   | Wastewater Generation @ [80% Fresh water + 100% of (Flushing+ Filter522 KLDbackwash)]522 KLD  |  |                     |                 |  |  |
| 05   | STP Capacity Proposed   |  |                     | 875 KLD         |  |  |
| 7. Waste generation details:                     |   |  |                     |                 |  |  |
| Total Solid Waste Generation Approx. 3,387kg/day |   |  |                     |                 |  |  |
| Biodegra   | 2 kg/day  |  |                     |                 |  |  |
| Non-Bio degradable waste approx.1,016.1kg/day    |   |  |                     |                 |  |  |

Inert waste

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

#### **RESOLUTION AGAINST AGENDA NO-10**

The committee discussed the matter and recommended grant of environmental clearance on the proposal as above along with the following standard environmental clearance conditions prescribed by MoEF&CC, Govt. of India:

- 1. Separate OGT should be installed for each of mess/kitchen.
- 2. 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.
- 3. 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 carry out 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 in consultation with State Pollution Control Board.
  - 5. The 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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
  - 6. Sand, murram, 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 the National Building Code of India.
- 4. 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 the 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 bylaw 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 enduses. 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 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.
- 8. 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.
- 9. 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.

- 10. 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.
- 11. 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.
- 12. Miscellaneous:
  - 1. Permission from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ nearby drains disposal/drainage systems along with the final disposal point should be obtained.
  - 2. 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.
  - 3. 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.
  - 4. 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.

- 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. The Company in a time bound manner shall implement these conditions.
- 14. 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.
- 15. 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.
- 16. 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.

# 11. <u>Stone Mining at Gata No.-339, Khand no..-30 New, 19 Old, Village-Daharra, Tehsil-Sadar, Mahoba, Shri Mujiburrahman., Area-1.214 ha., File No. 6396 Proposal No. SIA/UP/MIN/ 64103/2021</u>

The committee noted that the matter was earlier discussed in  $565^{\text{th}}$  SEAC-1 meeting dated 27/08/2021 and recommended to issue additional terms of reference for the project. After the recommendation of SEAC, the matter was listed in  $501^{\text{st}}$  SEIAA meeting dated 18/10/2021 and directed is as follows:

"SEIAA noted that SEAC-1 has recommended to issue the additional ToRs SEIAA gone through file and documents and found that mining plan approval letter no. 2021/4/10/55851 dated 2021-07-08 is of different lease from the Proposal for which the project proponent seeking the ToR. Hence SEIAA opined to refer it back to SEAC-1 for review/comments.

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Further, SEIAA opined that SEAC-1 is recommending proposal without examining them in detail. Common errors found are – (1) even when the project is not listed in DSR and in the absence of letter issued by competent authority regarding its inclusion in DSR, projects are being recommended for grant of ToR; (2) discrepancy in geo-coordinates of the proposed mine area. SEAC-1 is advised to examine the proposals more carefully in light of various OMs and directions issued by MoEFCC in this regard."

The committee went through the file and documents and observed that the project proponent vide letter dated 27/10/2021 submitted the revised mining plan approval letter no. 2021/6/1/59133, dated 26/10/2021 in favour of Shri Mujiburrahman.

Regarding query no. 1, the committee noted that the project proponent submitted the amended DSR letter issued by District Magistrate, Mohaba vide letter no. 154/MMC-30-khanij (2020-2021) dated 12/05/2021 before the presentation of TOR and same has been considered by the committee during the appraisal of TOR application.

Regarding query no. 2, the committee noted that during the presentation of TOR the project proponent/consultant presented the geo coordinates mentioned in form-1, mining plan and other documents but during the preparation of minutes due to typographical error in latitude of pillar A mentioned as 25°20'9.568" instead of 25°20'9.658".

In view of above, the committee again recommended to issue additional terms of reference for the project proposal as earlier prescribed in 565<sup>th</sup> SEAC-1 meeting dated 27/08/2021. Nodal Officer/Assistant Nodal Officer is advised to be more vigilant in preparing the minutes.

**Nodal SEAC-1** 

(Om Prakash Srivastava) Member (Dr. Brij Bihari Awasthi) Member (Umesh Chandra Sharma) Member

(Rajive Kumar) Chairman

#### Annexure-1

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

- 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.