

### **Minutes of 644<sup>th</sup> SEAC-2 Meeting Dated 11/04/2022**

The 644<sup>th</sup> meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 11/04/2022. Following members participated in the meeting:

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

The Chairman welcomed the members to the 644<sup>th</sup> SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

1. **Sand/Morrum Mining from Betwa River bed at Gata No.-02, Khand No.- 01, Village- Kalothra , Tehsil- Tahrauli, District- Jhansi, U.P., Smt. Sumit Singh M/s R.S. Mines & Minerals, Area: 3.50 ha. File No. 6271/Proposal No. SIA/UP/MIN/207880/2021**

The committee noted that the matter was earlier discussed in 621<sup>st</sup> SEAC-2 meeting dated 31/01/2022 and directed the project proponent to submit following information:

1. Agreement between project proponent and landowner regarding the plantation on road side. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
2. Proponent shall submit notarized agreement/ consent of competent authority/ landowner for haulage road from lease site to link road.
3. The proponent/ consultant should prepare and submit a proposed plan for safe disposal of municipal solid waste and human excreta.
4. Proponent/ Consultant should provide the plan/information about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
5. Water requirement details along with source of water.
6. Monitoring site photographs along with person, date, time and place with geo coordinates should be submitted.

The project proponent submit their replies vide letter dated 04/03/2022 and the matter was listed in 644<sup>th</sup> SEAC meeting dated 11/04/2022. The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s P and 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 environment clearance is sought for Sand/Morrum mining from river bed of Betwa, at Gata No. 02 Khand No.01, at Village – Kalothra, Tehsil- Tahrauli, District- Jhansi, Uttar Pradesh, (Leased Area - 3.50 ha), M/S R.S. Mines & Minerals.

2. The committee directs the project proponent/consultant to submit the agreement/documents/proposal with respect to query no 1,2 and 4. PP/Consultant assured the committee that they will submit the required information in a time bound manner to the secretariat.

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

1.	On-line proposal No.	SIA/UP/MIN/ 207880/2021		
2.	File No. allotted by SEIAA, UP	6271		
3.	Name of Proponent	M/S R.S. MINES & MINERALS Sumit Singh (Prop)		
4.	Full correspondence address of proponent and mobile no.	W/o Shree Brij Mohan Singh		
		R/o: 1184 Shivaji Nagar, Tehsil & District-Jhansi, UP		
		Mobile no. – 9119696999		
5.	Name of Project	E mail ID - rsminesandmineral@gmail.com		
		Sand/Morrum mining from river bed of Betwa, at Gata No. 02 Khand No.01, Area - 3.50 ha (8.64 Acres) at Village – Kalothra, Tehsil- Tahrauli, District- Jhansi. Uttar Pradesh of M/S R.S. MINES & MINERALS		
		Gata No.-02, Khand No.-01		
6.	Project Location (Plot.Khsra/Gata No.)	Gata No.-02, Khand No.-01		
7.	Name of River	Betwa		
8.	Name of Village	Kalothra		
9.	Tehsil	Tahrauli		
10.	District	Jhansi		
11.	Name of Minor Mineral	Ordinary sand		
12.	Sanctioned Lease Area (in Ha.)	3.50 ha.		
13.	Max. & Min mRL within lease area	Max - 159.50 mRL Min - 154.20mRL Zero mRL - 154.0		
14.	Pillar Coordinates (Verified by DMO)	Geo-Co-ordinates of Lease Area		
		Point	Latitude N	Longitude E
		A	25°36'21.00"N	78°55'19.70"E
		B	25°36'22.48"N	78°55'25.14"E
		C	25°36'23.13"N	78°55'35.19"E
		D	25°36'20.52"N	78°55'35.51"E
15.	Total Geological Reserves	E	25°36'18.99"N	78°55'20.24"E
		39,196 m <sup>3</sup>		
16.	Total Mineable Reserve in LOI	17,500 m <sup>3</sup>		
17.	Total Proposed Production	87,500 m <sup>3</sup> (5 years)		
18.	Proposed Production /year	17,500 m <sup>3</sup> /annum		
19.	Sanctioned Period of Mine lease	5 years		
20.	Production of mine/day	70.0 m <sup>3</sup> /day		
21.	Method of Mining	Opencast semi-mechanized		
22.	No. of working days	250		
23.	Working hours/day	8		
24.	No. of worker	57		
25.	No. of vehicles movement/day	9		
26.	Type of Land	Govt./Non Forest Land (riverbed)		
27.	Ultimate of Depth of Mining	3.0 m		
28.	Nearest metalled road from site	0.40 km		
29.	Water Requirement	PURPOSE		
		Drinking	- 0.57 KLD	
		Suppression of dust	- 4.8 KLD	
		Plantation	- 0.18 KLD	
		Others (if any)	- 0.00 KLD	
		Total	- 5.55 KLD	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	P and M Solution, NABET/EIA/1922/IA 0053 Valid till – 10/12/2022		

31.	Any litigation pending against the project or land in any court	No
32.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No – 2487/30 MMC/(2020-21) dated - 27/03/2021
33.	Details of Lease Area in approved DSR	Serial no. 07 Page no. 03
34.	Proposed CER cost	Project Cost- 90.00 Lacs/ annum CER 2 %- 1.8 lacs/annum
35.	Proposed EMP cost	9.0 lacs
36.	Length and breadth of Haul Road	Length – 0.40 km Breadth – 6.00 m
37.	No. of Trees to be Planted	180

4. 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.
5. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO. 01**

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

1. Proponent shall submit the notarized agreement/consent of competent authority/ landowner for haulage road from lease site to link road.
  2. Proponent should use latest technology for water spraying (sprinklers) for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
  3. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
- 2. Residential Project “Punar VikasYojna” at Plot No. 11 & 11A Aishbagh Road, Lucknow., Shri Akhilesh Kumar Singh, M/s Shravan Oil & Rice Mills. File No. 6793/Proposal No. SIA/UP/MIS/247032/2021**

The committee noted that the matter was earlier discussed in 616<sup>th</sup> SEAC-2 meeting dated 05/01/2022 and directed the project proponent to submit following information:

1. Latest site photograph along with coordinates dates and time.
2. Revised proposal for wastewater treatment and use of treated water for various purposes.
3. Revised parking plan along with electric charging points for electric vehicles.
4. Revised municipal solid waste disposal according to municipal solid waste rules.
5. Layout plan showing the location of STP, DG sets and municipal solid waste disposal system.
6. Revised green belt plan along with plant species which are environmental friendly.
7. Map approval letter from Lucknow development authority.
8. Gazette notification of land conversion to use the land for residential purpose.
9. Revised water balance diagram along with purpose of reuse in different areas.
10. Revised rain water harvesting and recharging details along with proper calculation.
11. NOC from Airport Authority of India.

The project proponent submit their replies vide letter dated 04/03/2022 and the matter was listed in 644<sup>th</sup> SEAC meeting dated 11/04/2022. The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s ENV DAS (India) Pvt. Ltd., Lucknow.

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

1. The environment clearance is sought for Residential Project “Punar VikasYojna” at Plot No. 11 & 11A, Aishbagh Road, Lucknow., M/s Shravan Oil & Rice Mills.

2. Area details of the project:

S.NO	Description	Area (m <sup>2</sup> )	Percentage
1.	Plot Area	23,599.23	
2.	Area for Road Widening	1122.13	
3.	Net Plot Area	22477.10	100
4.	Land To be surrendered to Govt. 20%	4495.42	20
5.	Area for construction of Project	17981.68	80
6.	Land for park( Green Area)	3980.0	15
7.	Land for internal road	2763.13	15
8.	Land Left (50% of 22,477.10)	11,238.55	50
9.	Proposed Ground Coverage (40% of 11,238.55)	4495.42	
10.I	Basic Permissible FAR (@3 of 22477.10 )	67,431.3	
10.II	FAR allowed on Road Widening Area(50% of 1122.13)(Compensatory FAR)	561.06	
11.	Total FAR	67431.3+561.06 =67992.36	
12.	Permissible FAR (@) $\frac{67992.36 \times 2.5}{3.5} = 48565.97$	48,565.97	
13.	Total Covered Area (FAR Area )	40,074.66	
14.	Basement Area	8441.27	
15.	Mumty & Machine Room Area	496.26	
16.	Guard Room Area	4.58	
17.	Total Non-Far Area	8942.11	
18.	Built up Area	49,016.77	
19.	Number of floors	S+20	
20.	Height of the building	65 m	
21.	Total no. of Units	448 Flats 320 (2 BHK) 128 (3 BHK)	
22.	Population	@5persons per flat =5 x 448 =2240	

3. Land use details:

Description	Present (Sq. m)	Percentage
Land To be surrendered to Govt.	4495.42	20
Land for park	3980.0	18
Land for internal road	2763.13	12
Area for construction of Project	11,238.55	50
Total	22,477.10	100

4. Water requirement details:

S. No.	Water Description	unit/Area (in m <sup>2</sup> )	Total Occupancy	Rate of water demand (lpcd)	Total Fresh Water (KD)	Total Flushing/Recycled water (KLD)	Total Water Requirement (KLD)
1.	Residential	448 units	2240	Fresh Water @ 90 LPCD Flushing Water @ 45LPCD	202	101	303
2.	Visitors (10% of total residential)		224	Fresh Water @ 5 LPCD Flushing	1.5	2.00	3.5

	population)			Water @ 10 LPCD			
3.	Staff (5% of total residential population)	--	112	Fresh Water @ 30 LPCD Flushing Water @ 15 LPCD	3.5	2.00	5.5
Total Domestic water					207	105	312
6.	Landscape	3980.0	5 l/m <sup>2</sup>			20	20
Total Water demand					207	125	332
					Grand Total = 332 KLD		

5. The total waste water generated after full occupancy will be 250 KLD, which will be treated in the STP of 300 KLD out of which, 125 KLD tertiary treated water will be recycled for various purposes like Flushing, Horticulture, Car Washing(@20lper Vehicle) and road washing.

6. 02 nos. of rain water harvesting pits are proposed under the project.

7. Solid waste generation details:

S.No.	Particulars	Population	Waste generated in kg/day
1.	Residential (@0.5kg/day)	2240	1120
2.	Visitors (@0.15kg/day)	224	34
3.	Staff (@ 0.25kg/day)	112	28
<b>Total Solid waste generated</b>			<b>1182 kg/day</b>
Horticulture Waste (@ .0037/sq/day) (3980.0sqm)			15 Kg/Day
E-Waste (0.15 kg/C/Yr)			Approx. 1 Kg/Day
STP sludge (0.04kg/KLD of waste water)			10 kg/day

8. Parking details:

Required Parking	
According to Norms: Total Required Parking 1.5 ECS per 100 sqm. of covered area (FAR) $\frac{40074.66 \times 1.5}{100}$	601ECS
Parking Provided	
Open Parking	208 ECS
Stilt Parking	258 ECS
Basement Parking (Including double layer mechanical parking)	273ECS
Total Parking Provided (Including visitors Parking)	739 ECS

9. Power requirement details:

Power Requirement	2300 KVA
Source	Madhyanchal Vidut Vitran Nigam Ltd.
Backup power supply arrangement	Backup power supply will be provided during power failure through DG Set as per the requirement.
Stack Height	6.0 m above highest building

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

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

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

#### **Specific condition:**

1. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs GOI and others) anti-smog guns shall be installed to reduce dust during excavation.

2. Project Proponent should adopt 01 village & development them as model village.

**Standard environmental clearance conditions:**

1. Statutory compliance:
  1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
  2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from 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.
2. Air quality monitoring and preservation:
  1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. 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.
  5. The project proponent shall comply the use of fuel for DG sets (backup power) as per directions of Hon'ble courts and CPCB shall be strictly adhered to.
  6. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous

- dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
7. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
  8. Wet jet shall be provided for grinding and stone cutting.
  9. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
  10. 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.
  11. 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.
  12. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
  13. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
  4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
  6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
  8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.

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



3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
5. Energy Conservation measures:
  1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  2. Outdoor and common area lighting shall be LED.
  3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
  4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
  6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
6. Waste Management:
  1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
  2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
  4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
  5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
  6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
  7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
  8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.

9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
7. Green Cover:
  1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
  2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
  3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
  4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
8. Transport:
  1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
    - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
    - b. Traffic calming measures.
    - c. Proper design of entry and exit points.
    - d. Parking norms as per local regulation.
  2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
  3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
  1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
  2. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  5. Occupational health surveillance of the workers shall be done on a regular basis.
  6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:
1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
  2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
  3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
  4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
  5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
  15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
3. **Expansion for production of API/Bulk Drugs/ Pharmaceutical Products at Plot No. 105 & 106 Industrial Area Sahibabad District-Ghaziabad, Shri Sumit Goel, M/s Meditech Chemicals Pvt. Ltd. File No. 6787/Proposal No. SIA/UP/IND3/246446/2021**

The committee noted that the matter was earlier discussed in 616<sup>th</sup> SEAC-2 meeting dated 05/01/2022 and directed the project proponent to submit following information:

1. Notarized Affidavit regarding closure period of the unit since, 2012 with supporting documents and letters sent to the concerning department (UPPCB, Director of factories and labor department etc.).
2. Details of labor which was working in the factory during the time of closure. (Labor movement, deployment to any other location etc.)
3. Details of CNG based generator being used for power backup.
4. MoU documents for the disposal of hazardous waste with TSDF.
5. Revised proposal for waste water treatment followed by Zero Liquid Discharge to be submitted along with the water balance details.
6. Photograph of the existing plan site and developed green belts in the existing unit along with proposal for any other plantations planned.

7. Layout maps indicating existing units as well as proposed expansion in unit indicating storage area, plant area, utilities etc.
8. Detail of existing products with capacity along with expanded capacities and new products planned, with permission letter of concerning authority.
9. Detail of emissions, effluents, hazardous waste generation and their management.
10. Detailed plan of renovation activities planned (machine, product etc.) in existing unit.

The project proponent submit their replies vide letter dated 15/03/2022 and the matter was listed in 644<sup>th</sup> SEAC meeting dated 11/04/2022. The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environment clearance is sought for Expansion for production of API/Bulk Drugs/ Pharmaceutical Products at Plot No. 105 & 106 Industrial Area Sahibabad District-Ghaziabad, U.P., M/s Meditech Chemicals Pvt. Ltd.
2. Salient features of the project:

Sr. No.	Attributes	Details of project
1	Product	Proposed Revival with Expansion of manufacture Synthetic Organic Chemicals (API/Bulk Drugs/Pharmaceutical products) at Plot No. 105 & 106 Site -IV Industrial Area, Sahibabad, Ghaziabad – 201010 Uttar Pradesh of M/s Meditech Chemicals Private Limited (Products list are given below (Table 2)).
2	Total project area	8580.03
3	Total project cost	500 Lakhs
4	No of working days	300 Days
5	Fuel Requirement	Agro Briquettes: 15 MT/Day Diesel 80 Liter/Hr (DG Set 250 KVA)
6	Water Requirement	Thus, total fresh water; [ 30 KL (DM plant) + 2 KL (Domestic ) + 10 KL (Gardening) ] = 42 KL and the grand total of water requirement; [ 42 KL total Fresh water + 22.5 KL (ETP/RO permeate water) ] = 64.5 KL
7	Man Power Requirement	Total- 40 Nos
8	Power Requirement	Total Connected Load : 50 KW DG Set Capacity: 1@250 KVA for power backup
9	Source of water	Ground water
12	Waste Water Generation	Industrial Waste Water : 33.9 KLD
13	Domestic Water Requirement	Water requirement : 3.0 KLD Domestic Waste Water : 2.4 KLD Treatment: Waste water will be disposed through Septic and Soak pit.
14	Source of Air Pollution and fuel	Capacity of boiler : 15 MT/Day (Steam Boiler (8 TPH) Type and Quantity of fuel : Agro Briquettes - 15 MT/Day Diesel: 80 Liter/Hr
15	Air Pollution Control Equipment	All major sources of Air pollution will be provided with Wet Scrubber to maintain PM emissions below permissible limits (i.e. < 800 mg/Nm <sup>3</sup> ). Stack height : 30 meters
16	ETP Capacity	35 KLD

3. Land use details:

Sr. No.	Description	Land Area
1.	Security Cabin	10 SQ MTR
2.	Administrative Office / Laboratory / OHC	200 SQ MTR
3.	Process Plant	3500 SQ MTR

4.	Raw Materials Storage Area	500 SQ MTR
5.	Finished Product Storage Area	300 SQ MTR
6.	Solvent Storage Area	200 SQ MTR
7.	Spent Solvent Storage Area	25 SQ MTR
8.	Solid/Hazardous Waste Storage Area	25 SQ MTR
9.	Utility Area	50 SQ MTR
10.	Elec. Panel, DG set area	50 SQ MTR
11.	Wastewater Management (ETP) Area	70 SQ MTR
12.	Distillation Unit	NIL
13.	Haz. chemical / explosive Area	150 SQ MTR
14.	Open Area/Road Area	500 SQ MTR
15.	Green Belt Area (33%)	3000 SQ MTR
	Total	8580.03

4. List of proposed product:

S. No.	NAME OF PRODUCTS	QTY. Per MT/ month	Batch Size KG
1	MEFENAMIC ACID	75	1200
2	ACECLOFENAC	70	1000
3	2,6 DICHLORO PEHNOL	70	1200
4	AMBROXOL BASE	20	200
5	AMBROXOL HCL	10	200
6	BENFOTIAMINE HCL	10	200
7	CHLORAMPHENICOL	30	1500
8	CHLORAMPHENICOL PALMITATE	30	1700
9	CHLORHEXIDINE DIHYDROCHLORIDE	20	500
10	CHLOROZOXAZONE	75	950
11	CIPROFLOXACIN HCL	50	1200
12	CITICOLINE SODIUM	05	200
13	CLOSANTEL	15	500
14	DEFARASIROX	10	975
15	DICLOFENAC DIETHYL AMINE	22	1100
16	DICLOFENAC POTASSIUM	50	1400
17	DICLOFENAC SODIUM	100	1600
18	DOMPERIDONE	5	250
19	ERYTHROMYCIN STERATE	22	725
20	ESOMEPRAZOLE MAGNESIUM	05	150
21	FENBENDAZOLE	11	220
22	FLUCONAZOLE	15	500
23	GUAIFENESIN	50	200
24	IBUPROFEN	450	1620
25	KETOCONAZOLE	15	500
26	LEVOFLOXACIN	50	1200
27	LIDOCAINE HCL	20	415
28	LUMEFENTRINE	05	150
29	MELOXICAM	20	335
30	METFORMIN ACID	300	1500
31	METHOCARBAMOL	11	220
32	METHYLCOBALAMIN	02	20
33	METRONIDAZOLE BENZOATE	42	1400
34	MONTELUKAST SODIUM	05	100
35	NIACINAMIDE	60	1000
36	OFLOXACIN	50	1200
37	OLMESTRON	5	150
38	ORNIDAZOLE	50	600
39	OXYCLOZAIDE	10	250
40	PARACETAMOL	1200	6000
41	PIOGLITAZONE HCL	2	70

42	PIROXICAM	20	325
43	PSEUDOEPHEDRINE HCL	14	450
44	PYRAZINAMIDE	50	1000
45	RABEPRAZOLE SODIUM	4	80
46	SINDAFIL CITRATE	20	1000
47	TELMISARTON	4	80
48	TENLEGLIPTIN HYDROBROMIDE HYDRATE	5	140
49	TRAMADOL HCL	14	270
50	VILDAGLIPTIN	05	130
51	TINIDAZOLE	25	1000
52	NORFLOXACIN	20	750
53	VALPORIC ACID	20	200
54	SODIUM VALPORATE	20	200
55	DIVALPOREX SODIUM	10	100
56	ROSUVASTATIN CALCIUM	10	100
57	FENOFIBRIC ACID	10	200
58	FENOFIBRATE	10	200
59	CHOLINE FENOFIBRATE	10	100
60	ARTEMETHER	10	50
61	ARTEETHER	10	50
62	ARTUSUNATE	10	100

5. Water requirement details:

Sr. No.	Purpose	Water Consumption Quantity (KL/Day)	Remarks
A.	Domestic	3	• Fresh water
B.	Industrial		
	• Process	10	• *DM water - 10 KL
	• Boiler	15 (6* + 9#)	• *DM water - 6 KL • #RO permeate water- 9 KL
	• Cooling	15.5 (2* + 13.5#)	• *DM water - 2 KL • #RO permeate water- 13.5 KL
	• Scrubber	1	• *DM water- 1 KL
	• Washing	1	• *DM water- 1 KL
	Sub-total; (B)	42.5 (20* + 22.5#)	• *DM water - 20 KL total used • #RO permeate water- 22.5 KL total used
C.	Gardening	9	• Fresh water
	TOTAL (A+B+C)	54.5	Thus, total fresh water; [ 30 KL (DM plant) + 2 KL (Domestic ) + 10 KL (Gardening) ] = 42 KL and the grand total of water requirement; [ 42 KL total Fresh water + 22.5 KL (ETP/RO permeate water)] = 64.5 KL

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

**RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith specific conditions and following standard environmental clearance conditions:**

**Specific conditions:**

1. Project Proponent should adopt 01 village & development them as model village.
2. Explore the possibilities of use of various by-products.
3. Development of spectrophotometric method for detection of formaldehyde in air and HPLC method for detection of formaldehyde in water.
4. On-site Disaster management plan approved by the Director of factories to be submitted.

**Standard environmental clearance conditions:**

1. Statutory compliance:
  - i. The project proponent should obtain necessary permission from Drug Controller, Govt. of India, within time frame.
  - ii. 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.
  - iii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  - iv. 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 species in the study area).
  - v. 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.
  - vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
  - vii. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
2. 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 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised 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 labs recognised under Environment (Protection) Act, 1986.
  - iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
  - iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and /or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
  - v. Storage of raw materials, coal etc, shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
  - vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
  - vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied.
3. Water quality monitoring and preservation:
  - i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)
  - ii. The project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD). The project proponent shall ensure the Zero Liquid Discharge and no waste/treated water shall be discharge outside the premises
  - iii. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
  - iv. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm



- water from the premises shall be collected and discharged through a separate conveyance system.
- v. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
  - vi. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
4. Noise monitoring and prevention:
- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
  - ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
  - iii. 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.
5. Energy Conservation measures:
- i. The energy sources for lighting purposes shall preferably be LED based.
6. Waste management:
- i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
  - ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
  - iii. The company shall undertake waste minimization measures as below:-
    - a. Metering and control of quantities of active ingredients to minimize waste.
    - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
    - c. Use of automated filling to minimize spillage.
    - d. Use of Close Feed system into batch reactors.
    - e. Venting equipment through vapour recovery system.
    - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation
7. Green Belt:
- i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
8. Safety, 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 unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
  - iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
  - iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
  - v. 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.
  - vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
  - vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.
9. 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 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.

- 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 Ministry /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.
10. Miscellaneous:
- i. Environment Clearance subjected to condition of necessary permission from Drug Controller and Department of Industry.
  - ii. Monitoring of dioxin and furon from biomass fueled boiler should be done.
  - iii. Agreement with TSDF vendors shall be submitted.
  - iv. 100% waste water is to be treated in ETP conforming to prescribed standards of receiving body for designated use.
  - v. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
  - vi. 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.
  - vii. 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.
  - viii. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (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.
  - ix. 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.
  - x. 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.
  - xi. 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.
  - xii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  - xiii. 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.
  - xiv. 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).
  - xv. 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.
  - xvi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - xvii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  - xviii. 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.
- xix. 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.
- xx. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
4. **Expansion of Existing Tannery unit from capacity of 4.5 TPD of Finished Leather (Wet Blue to Finished Leather) to 5TPD of Finished Leather (Raw to Finished Leather) at Plot No. A-3/2 & A3/3, Jainpur Industrial Area, Kanpur Dehat., M/s Tirubala Exports (India) Private Limited. File No. 5713/Proposal No. SIA/UP/IND/54278/2020**

**RESOLUTION AGAINST AGENDA NO-04**

A presentation was made by the project proponent along with their consultant M/s Perfect Enviro Solutions Pvt. Ltd. The committee discussed the matter and decided to defer the matter for next upcoming SEAC meeting for further clarification.

5. **Soil Excavation at Gata No.-106, 107, 17, 18, 450, Village- Nak Phulha, Tehsil & Distt.- Raebareli, Shri Bhuvnesh Pratap Singh. Area: 1.2550 Ha. File No. 6672/Proposal No. SIA/UP/MIN/238050/2021**

**RESOLUTION AGAINST AGENDA NO-05**

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

6. **Granite, Khandas, Boulder, Gitti Mining at Gata No:1876 (Khand No.09), Village: Girwan, Naraini, Banda, Smt Deepali Singh., M/s Bundelkhand Rocks., Area: 0.5 ha. File No. 6369/Proposal No. SIA/UP/MIN/64010/2021**

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

1. The environment clearance is sought for Granite, Khandas, Boulder, Gitti Mining at Gata No:1876 (Khand No.09), Village: Girwan, Naraini, Banda, U.P., (Leased Area: 0.5 ha.), M/s Bundelkhand Rocks.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 285/Parya/SEIAA/6369/2021, dated 27/10/2021.
3. The public hearing was organized on 06/01/2022 at Tehsil Auditorium, Naraini, Banda. Final EIA report submitted by the project proponent on 02/03/2022.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/64010/2021
2. File no. allotted by SEIAA,UP	6369

3. Name of Proponent	M/s Bundlekhand Rocks Smt. Deepali Singh W/o Shri K.P Singh.		
4.Full correspondence address of proponent and mobile no.	R/o Ashirwaad Palace,Nayapura Naikhana, Tehsil & District: MahobaU.P.		
5. Name of Project	“Granite, Khanda, Gitti, Boulder” Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. – 1876, Khand No.-09		
7. Name of River	-		
8.Name of Village	Girwan		
9. Tehsil	Naraini		
10.District	Banda, U.P.		
11. Name of Minor Mineral	Granite, Khanda, Gitti, Boulder		
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 0.5 Ha		
13. Mineable Area (in Ha.)	0.5 Ha		
14. Zero Level mRL	-		
15. Max. & Min mRL within lease area	Highest Point :159mRL Lowest Point :149mRL		
16. Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate		
(Source: Verified Khasra Map)	Pillars	Latitude (N)	Longitude (E)
	A	25°18'36.64"N	80°23'0.92"E
	B	25°18'37.02"N	80°23'3.07"E
	C	25°18'34.30"N	80°23'4.63"E
	D	25°18'33.69"N	80°23'2.49"E
17. Total Geological Reserves (Source: Approved Mining Plan)	2,08,980 m <sup>3</sup>		
18. Total Mineable Reserves (Source: Approved Mining Plan)	74,958 m <sup>3</sup>		
19. Total Proposed Production (in five years)	25,000 m <sup>3</sup>		
20. Proposed Production/year	5,000 m <sup>3</sup> per annum		
21. Sanctioned Period of Mine lease	10 years		
22. Method of Mining	Opencast, semi-mechanized		
23. No. of Working days	260 Days		
24. Working hours/day	8 -10 hours/day		
25. No. Of Workers	26		
26. No. of vehicles movement/day	1 Units (Assumed Loading Capacity: 40 T/Unit)		
27. Type of Land	State Government Land		
28. Ultimate Depth of Mining	12 m (159 mRL – 147 mRL) (Source: Approved Mining Plan)		
29. Nearest metalled road from site	450 m		
30. Water Requirement	Purpose	Requirement (KLD)	
	Drinking	0.130	
	Suppression of Dust	6.3	
	Plantation	1.0	
	Total	7.43	
31. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till June 23/2022		
32. Any litigation pending against the project or hand in any court	No		
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section) Banda.पत्रांक: 3795/खनिज-30/Banda, दिनांक: 09.02.2021		
34. Details of Lease Area in approved DSR	Letter.No.1374/30/खनिज-30/ Banda, दिनांक: 13. 08. 2019 Sr. No.- 34.		
35. Proposed CER Cost	Rs. 3.09 Lakhs (5% of the total Project Cost)		
36. Proposed EMP Cost	Rs. 25.69 Lakhs		
37. Length and width of Approach Road	Approach Road Length 450 m & Width 7 m		
38. No. of Trees to be Planted	500 Trees		

5. 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.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO. 06**

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

1. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation as per the plan submitted by project proponent to be implemented.
2. Proponent shall make a notarized agreement/ consent of competent authority/ landowner for haulage road from lease site to link road.
3. The proponent/ consultant should adopt a facility for safe disposal of municipal solid waste and human excreta.
4. Proponent/ Consultant should implement the latest technology for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
5. The project proponent shall install solar light in their site office.
6. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
7. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
8. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
9. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
10. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
11. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
12. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
13. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
14. The project proponent should explore the possibilities of rainwater harvesting.

**7. Stone (Khanda, Giiti, Boulder, Ballast) Mining at Araj No.:712, Khand No.:01, Village:Chhikhara, Mahoba., Smt. Beena Bajpai., Area: 2.024 Ha. File No. 6971/Proposal No. SIA/UP/MIN/73046/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. 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 Stone (Khanda, Giiti, Boulder, Ballast) Mining at Araj No.:712, Khand No.:01, Village:Chhikhara, Mahoba, U.P., (Leased Area: 2.024 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/73046/2022		
2. File no. allotted by SEIAA,UP	6971		
3. Name of Proponent	Smt Beena Bajpai, W/o Shri Om Prakash Bajpai		
4.Full correspondence address of proponent and mobile no.	R/o- 128/583, Block- Kidwai Nagar Thana- Naubasta, District –Kanpur, U.P		
5. Name of Project	Building Stone/ Khanda, Boulder, Gitti, Ballast Mine		
6. Project location (Plot/Khasra/Gata No.)	Araji No.712 (Khand - 01)		
7. Name of River	-		
8.Name of Village	Chhikahra		
9. Tehsil	Sadar		
10.District	Mahoba, U.P.		
11. Name of Minor Mineral	Building Stone “Khanda, Boulder, Gitti, Ballast ”		
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.024 Ha		
13. Mineable Area (in Ha.)	2.024 Ha		
14. Zero Level mRL	-		
15. Max. & Min mRL within lease area	Highest Point :195mRL Lowest Point :175mRL		
16. Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate		
(Source: Verified Khasra Map)	Pillars	Latitude (N)	Longitude (E)
	A	25°22'02.97"N	79°52'38.77"E
	B	25°22'00.55"N	79°52'40.52"E
	C	25°21'55.47"N	79°52'40.52"E
	D	25°21'53.12"N	79°52'38.56"E
	E	25°21'52.68"N	79°52'36.70"E
	F	25°21'53.40"N	79°52'35.93"E
	G	25°21'55.78"N	79°52'36.50"E
	H	25°21'58.24"N	79°52'38.60"E
17. Total Geological Reserves (Source: Approved Mining Plan)	13,06,095 m <sup>3</sup>		
18. Total Mineable Reserves (Source: Approved Mining Plan)	3,97,881m <sup>3</sup>		
19. Total Proposed Production (in five years)	3,61,790 m <sup>3</sup>		
20. Proposed Production/year	72,358 m <sup>3</sup> per annum		
21. Sanctioned Period of Mine lease	10 years		
22. Method of Mining	Opencast, semi-mechanized		
23. No. of Working days	260 Days		
24. Working hours/day	8 -10 hours/day		
25. No. Of Workers	43		
26. No. of vehicles movement/day	19 Units (Assumed Loading Capacity: 40 T/Unit)		
27. Type of Land	State Government Land		
28. Ultimate Depth of Mining	36 m (195 mRL – 159 mRL) (Source: Approved Mining Plan)		
29. Nearest metalled road from site	890 m		

30. Water Requirement	Purpose	Requirement (KLD)
	Drinking	0.215
	Suppression of Dust	12.46
	Plantation	4.048
	Total	16.72
31. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till June 23/2022	
32. Any litigation pending against the project or hand in any court	No	
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Mahoba Letter No. 3324/ एम. एम. सी 30/2021-22, Dated:19-01-2022	
34. Details of Lease Area in approved DSR	Amendment Letter No.:154/एम. एम. सी 30/खनिज(2021-22) Dated: 12/05/2021,Page No. 02,Sr No.33	
35. Proposed CER Cost	Rs. 3.80 Lakhs (2% of the total Project Cost)	
36. Proposed EMP Cost	Rs. 33.02 Lakhs	
37. Length and width of Approach Road	Approach Road Length 890 m & Width 7 m	
38. No. of Trees to be Planted	2024 Trees	

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

#### **RESOLUTION AGAINST AGENDA NO. 07**

**The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-3 to the minutes. The committee also stipulated following additional TOR Points:**

#### **Additional TOR:**

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

8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

**8. Establishment of Cement Plant with Clinker Production of 600 TPD and Cement Production Capacity of 1.5 MTPA at Junction Road, Industrial Area, Village- Maujpur Khurja, Bulanshahar, M/s Le Segnare LLP. File No. 6981/Proposal No. SIA/UP/IND/72972/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Parivesh Environmental Engineering Services.

The committee discussed the matter and observed that the proposed project site at junction road village Maujpur, Khurja, Dist Bulandshahar falling under National Capital Region. CPCB also identified Khurja, Dist Bulandshahar under non-attainment cities.

The project is proposed to establish a cement plant with clinker production and cement grinding unit at the proposed site. This unit falls under the category of air polluting units. Industries proposed to produce clinker at site for which coal or petcoke are raw material/fuel . So, burning of coal/petcoke in vertical shaft kiln shall result in an increase in air pollution load and ultimately degrade the ambient air quality of the area and also affect the action plan for NCR.

The commission for air quality management National Capital Region directs the state government that no new industry to be permitted which use polluting fuels like coal etc. and CPCB has also issued direction dated 27/11/2020 to SPCB that no new industrial unit in NCR to be permitted which are not using cleaner fuels.

In view of the above directions from various authorities, the committee opined in this case SEIAA is requested to look into the matter and take appropriate decision

**9. Clinker Grinding Unit with Cement Production Capacity of 4.0 MTPA (Phase- I: 2.0 MTPA & Phase - II: 2.0 MTPA), DG Set (6.5 MW) along with Railway Siding at Khasra No.- 86/1, 86/2, 86/3, 86/4, 86/5, 86/6, 86/7, 86/8, 86, Village: Somna, Tehsil: Gabhana, District: Aligarh., Shri Sunil Raosaheb Deshmukh, M/s. Wonder Cement Limited. File No. 6616/Proposal No. SIA/UP/IND/67748/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s J.M. Enviro Net 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 environment clearance is sought for Clinker Grinding Unit with Cement Production Capacity of 4.0 MTPA (Phase- I: 2.0 MTPA & Phase - II: 2.0 MTPA), DG Set (6.5 MW) along with Railway Siding at Khasra No.- 86/1, 86/2, 86/3, 86/4, 86/5, 86/6, 86/7, 86/8, 86, Village: Somna, Tehsil: Gabhana, District: Aligarh, U.P., M/s. Wonder Cement Limited.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 388/Parya/SEIAA/6616/2021, dated 30/12/2021.
3. The public hearing was organized on 19/02/2022. Final EIA report submitted by the project proponent on 14/03/2022.
4. Proposed project details:

Project	Product	Unit	Phase - I	Phase - II	Total Proposed Capacity
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Proposal	Cement	MTPA	2.0	2.0	4.0
	D.G. Set	MW	6.5		
	Railway Siding		-		
Screening Category	As per EIA Notification dated 14 <sup>th</sup> Sept., 2006, as amended from time to time; the project falls under Category “B”, Project or Activity ‘3(b)’ Cement Plants.				

5. Land use details:

S. No.	Unit	Area (in ha)	
1.	Greenbelt & Plantation (33%)	8.06	33.00
2.	Raw Material Storage area	1.29	5.28
3.	Packing plant	0.54	2.21
4.	Plant Building and machineries	4.21	17.23
5.	Internal roads	2.30	9.41
6.	Parking area	3.03	12.40
7.	Rain Water harvesting structures	0.5	2.05
8.	Railway Siding	4.5	18.42
Total		24.43	100

6. Machinery details;

S. No.	Description	Unit	Capacity (Phase - I)	Capacity (Phase - II)
1.	Gypsum crusher	TPH	1 x 300	1 x 300
2.	Cement Mill (VRM)	TPH	1 x 340	1 x 340
3.	Packing plant			
4(a).	Packer	TPH	2 x 240	2 x 240
4(b).	Truck Loaders	Nos.	6	6
4(c).	Wagon Loader	-	----	16
5.	Truck Tippers for Gypsum (1), Clinker unloading (2) and Pond ash	TPH	2 x 100	2 x 100
6.	Belt Conveyors, Elevators, system for material transport	Lot	1	1
7.	Hot Air Generator (HAG)	GJ/Hr	38	38
8.	Wagon Tippler	-	25 Tips / Hr capacity with integral weigh bridge and Apron feeder	----
9.	Wagon loading platform for packed cement bags for wagon loading on both sides	No.	1	-----
10.	Railway siding	No.	1	-----
11.	Coal crusher	TPH	15	-----
12.	Pond ash drying system	TPH	50	50

7. Raw material details:

S. No.	Raw Material	Requirement (MTPA)		Total	Source
		Phase - I	Phase - II		
1.	Clinker	1.3	1.3	2.6	Wonder Cement's captive Cement Plant in Nimbahera, Dist. Chittorgarh, Rajasthan / Outsourced
2.	Fly Ash	0.60	0.60	1.20	Harduaganj Thermal Power Plant of Uttar Pradesh Vidhut Utpadan Nigam Ltd.
3(a).	Mineral Gypsum	0.10	0.10	0.20	RSMML, Nagaur/ Bikaner (Raj.)
3(b).	Chemical Gypsum				Dye and Chemical Plants in Uttar Pradesh
Total		2.0	2.0	4.0	-

8. Fuel requirement details:

S. No.	Name of Fuel	Quantity Required	Calorific value (Kcal. /kg)	Source
Hot Air Generator (Pond ash drying system)				
1.	Indian or	4.5 MT/hr.	3500	Indian Coal: Local market, Madhya

	Imported Coal			Pradesh, Chhattisgarh Imported Coal: Kandla Port
D.G. Set				
1.	Diesel (HSD)	300 Litre/hr.	10000	IOC depot

**9. Water and power requirement details:**

S. No.	Particular	Detail	Source
1.	Water Requirement	513 KLD	Ground water
2.	STP Capacity	30 KLD	
3.	Power Requirement	25 MW	Uttar Pradesh State electricity grid

**10. Green belt development plan:**

S. No.	Year as per planning	Area Covered under greenbelt (Hectare)	No. of Saplings (Nos.)	Location in Plant area
1.	1 <sup>st</sup> Year	3.0	4500	All along the Plant Boundary
2.	2 <sup>nd</sup> Year	3.0	4500	Internal roads, Machinery area, CCR Office
3.	3 <sup>rd</sup> Year	2.06	3090	Packing Plant area and Raw Material Storage area, other plant area and gap filling in the plant area
Total		8.06	12090	-

11. The project proposal falls under category-3(b) 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 as above along with specific conditions and following standard environmental clearance conditions prescribed by MoEF&CC, GoI:**

**Specific conditions:**

- I. Three tier green belt shall be developed with native species all along the periphery of the project. Site survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years (Miyawaki method to be adopted for plantation)
- II. Performance test shall be conducted on all pollution control system every year and report shall be submitted to Regional office of the MoEF and CC
- III. Greening and paving shall be implemented in the plant area to arrest soil erosion and dust pollution exposed soil surface.
- IV. Properly covered vehicles shall be used while transporting material and product.
- V. Project Proponent should adopt 02 villages & development them as model village.
- VI. Allergy test should also be included in health checkup of works.

**Standard environmental clearance conditions:**

- 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 / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the State pollution Control Board.
  - v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
  - 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 1986 vide G.S.R. No. 612 (E) dated 25<sup>th</sup> August, 2014 (Cement) and subsequent amendment dated 9<sup>th</sup> May, 2016 (Cement) 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 labs recognized under Environment (Protection) Act, 1986.
  - iii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area at least at two locations (one within and one outside the plant area), covering upwind and downwind directions .
  - 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 six- monthly 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, so as to comply prescribed stack emission and fugitive emission standards.
  - vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
  - vii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
  - viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
  - ix. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
  - x. Provide wind shelter fence and chemical spraying on the raw material stock piles.
  - xi. Have separate truck parking area and monitor vehicular emissions at regular interval.
  - xii. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.
  - xiii. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants
- III. Water quality monitoring and preservation:
- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25<sup>th</sup> August, 2014 (Cement) and subsequent amendment dated 9<sup>th</sup> May, 2016 (Cement) 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. 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
  - vii. The project proponent shall practice rainwater harvesting to maximum possible extent.
  - viii. Water meters shall be provided at the inlet to all unit processes in the cement plant.
  - ix. The project proponent shall make efforts to minimize water consumption in the cement 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. 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.
  - ii. Provide the project proponent for LED lights in their offices and residential areas.
  - iii. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
- VI. Waste management
- i. The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
  - ii. 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 industry shall develop green belt as per the map provided by the PP and adopt area in existing industrial area to compensate 33% green belt.
  - iii. 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 PP shall 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 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 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.
- 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 report 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 Ministry /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 cement plants shall be implemented.

**X. Miscellaneous**

- i. Under CER activity as committed ambulance for handicapped, equipped with medical facilities may be provided.
- ii. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- iii. 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.
- iv. 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.
- v. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (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.
- vi. 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.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the State Pollution Control Board as prescribed under the Environment (Protection) Rules , 1986, as amended subsequently and put on the website of the company.
- viii. 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.

- ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. 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.
- xi. 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).
- xii. 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.
- xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry reserves the right to stipulate additional conditions if found necessary.
- xv. The Company in a time bound manner shall implement these conditions.
- xvi. 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 g reports.
- xvii. 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.
- xviii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**10. Expansion of Production of 28800 MTPA TMT Bars to 99000 MTPA TMT Bars & Ingot through Induction Furnace Route AT Khasra No.-767, 768 & 769, Village-Sandhawali, Muzaffarnagar M/s Aman Rolling Mills Pvt. Ltd. File No. 6987/Proposal No. SIA/UP/IND/72776/2022**

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

1. The terms of reference is sought for Expansion of Production of 28800 MTPA TMT Bars to 99000 MTPA TMT Bars & Ingot through Induction Furnace Route AT Khasra No.-767, 768 & 769, Village-Sandhawali, Muzaffarnagar, U.P., M/s Aman Rolling Mills Pvt. Ltd.
2. Salient features of the project as submitted by the project proponent:

Particulars	Details
Proposed Project	M/s Aman Rolling Mills Pvt. Ltd.
Location	Khasra No. 767, 768 & 769, Village Sandhawali, Muzaffarnagar, (UP) PIN - 251001
Latitude	29° 25.478'N
Longitude	77° 43.350'E
Category of the project	3(a) Metallurgical industries (ferrous & non-ferrous)
Proposed Capacity	TMT Bars 99000 MTPA M.S Ingot 99000 MTPA Raw Material MS Scrap 107000 MTPA Sponge As per requirement

Khasra Number	767, 768 & 769
Project Cost	30.64 Crores
Land Requirement	1.8 ha
Power Requirement	15000 KVA
Manpower	30
Estimated Project Cost	30.64 Crores
Nearest Highway	New Delhi Haridwar Road 0.25 Km north
Nearest Railway station	Jadoda Nara Railway Station-1.63 Km West
Nearest Airport	Indira Gandhi International Airport Delhi (113 km SW )
Nearest River	Kaali Nadi 6.60 Km NW.
Archaeological important places	None 10 Km
Wild Life Sanctuaries	None 10 Km
Nearest Town/City	Muzaffarnagar 5.44 Km NW
Hill ranges	None
Seismic Zone	The site is located in the Seismic Zone IV, as per the seismic zoning map of India given in BIS code IS: 1893 (Part1)-2002

**3. Details of Existing and proposed expansion plant:**

Existing	Proposed
Consent is valid only for the approved production capacity of TMT Bar/MS Section 100 MT/Day (OR 2600 MT/Month).	Expansion of Production of 28800 MTPA TMT Bars to 99000 MTPA TMT Bars & Ingot through Induction Furnace Route

**4. Technical Specifications of Induction Furnace:**

- Nominal capacity : 30 Tons
- Style of Furnace : Steel Frame
- Pouring mechanism : Hydraulic Tilt
- Furnace Lining : Silica (recommended )
- Alloy to be melted : Steel
- Melt temperature : 1600 °C
- Rated capacity of power : 14 MW
- Line power factor : 0.98

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

**RESOLUTION AGAINST AGENDA NO. 10**

**The committee discussed the matter and recommended to issue standard terms of reference prescribed by MoEFCC along with additional TOR for the preparation of EIA:**

**Additional TOR:**

- Complete plan/proposal for slag utilization to be prepared and submitted.
- Proposal for Air pollution control system along with primary and secondary system to control fugitive emissions to be submitted.
- Existing green belt detail and proposed plantation along with map to be submitted.
- Photographs of existing plan along with air pollution control system to be provided
- Compliance report of CPCB/SPCB direction/guidelines for this category of plants to be submitted.

**Standard terms of reference:**

- Executive Summary.
- Introduction
  - Details of the EIA Consultant including NABET accreditation
  - Information about the project proponent
  - Importance and benefits of the project

3) Project Description

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

4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area.
- x. Geological features and Geo-hydrological status of the study area shall be included.



- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

5) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

6) Environmental Status

- I. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- II. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- III. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- IV. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- V. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- VI. Ground water monitoring at minimum at 8 locations shall be included.
- VII. Noise levels monitoring at 8 locations within the study area.
- VIII. Soil Characteristic as per CPCB guidelines.
- IX. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- X. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- XI. Socio-economic status of the study area.

7) Impact and Environment Management Plan

- I. Assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- II. Water Quality modelling - in case of discharge in water body
- III. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor cum-rail transport shall be examined.
- IV. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- V. Details of stack emission and action plan for control of emissions to meet standards.
- VI. Measures for fugitive emission control
- VII. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- VIII. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- IX. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- X. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- XI. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- XII. Action plan for post-project environmental monitoring shall be submitted.
- XIII. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8) Occupational Health:

- I. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- II. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed

data of above mentioned parameters as per age, sex, duration of exposure and department wise.

- III. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- IV. Annual report of health status of workers with special reference to Occupational Health and Safety.

9) Corporate Environment Policy

- I. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- II. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms /conditions? If so, it may be detailed in the EIA.
- III. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- IV. Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.

10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

11) Enterprise Social Commitment (ESC)

- I. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

13) A tabular chart with index for point wise compliance of above TOR.

- 1. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
- 2. Details on blast furnace/ open hearth furnace/ basic oxygen furnace/ladle refining, casting and rolling plants etc.
- 3. Details on installation/activation of opacity meters with recording with proper calibration system
- 4. Details on toxic metals including mercury, arsenic and fluoride emissions
- 5. Details on stack height requirement for integrated steel
- 6. Details on ash disposal and management -Non-ferrous metal
- 7. Complete process flow diagram describing production of lead/zinc/copper/ aluminium, etc.
- 8. Raw materials substitution or elimination
- 9. Details on smelting, thermal refining, melting, slag fuming, and Waelz kiln operation
- 10. Details on Holding and de-gassing of molten metal from primary and secondary aluminum, materials pre-treatment, and from melting and smelting of secondary aluminium

11. Details on solvent recycling
12. Details on precious metals recovery
13. Details on composition, generation and utilization of waste/fuel gases from coke oven plant and their utilization.
14. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
15. Trace metals Mercury, arsenic and fluoride emissions in the raw material.
16. Trace metals in waste material especially slag.
17. Plan for trace metal recovery
18. Trace metals in water

**11. Khanda, Boulder, (Dolo Stone) Deposit Miningat Arazi No./Khasra/Gata No-5430ka, 5430kha, 5470, 5469kha, 5431kha, 5468kha, Near Village- Billi Markundi, Tehsil-Obra, Sonbhadra, M/s Harikeshwar Enterprises., Area-1.504 Ha. File No. 6988/Proposal No. SIA/UP/MIN/73732/2022**

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

1. The terms of reference is sought for Khanda, Boulder, (Dolo Stone) Deposit Mining Project , Village: Billi Markundi, Tehsil- Obra, District- Sonbhadra, State-Uttar Pradesh, (Leased Area 1.504 ha.), M/s Harikeshwar Enterprises.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/73732/2022		
2. File No. allotted by SEIAA, UP	6988		
3. Name of Proponent	M/s Harikeshwar Enterprises (Partner - Smt. Geetanjali Choubey)		
4. Full correspondence address of proponent and mobile no.	M/s Harikeshwar Enterprises (Partner - Smt. Geetanjali Choubey) R/o Near Degree College, Obra, Sonbhadra (U.P)		
5. Name of Project	Billi Markundi Khanda, Boulder,(Dolo Stone) Deposit Mining Project		
6. Project location (Plot/Khasra/Gata No.)	5430ka, 5430kha, 5470, 5469kha, 5431ka, 5431kha, 5468kha		
7. Name of Village	Billi Markundi		
8. Tehsil	Obra		
9. District	District Sonbhadra, Uttar Pradesh		
10. Name of Minor Mineral	Khanda, Boulder,(Dolo Stone)		
11. Sanctioned Lease Area (in Ha. )	1.504 hectare.		
12. Max. & Min mrl within lease area	200 mRL & 196 mRL		
13. Pillar Coordinates (Verified by DMO)	Pillers	Latitude (N)	Longitude (E)
	A	24° 28'47.74"N	83°0'14.58"E
	B	24° 28'46.22"N	83°0'17.57"E
	C	24° 28'43.18"N	83°0'16.39"E
	D	24° 28'45.59"N	83°0'11.21"E
	E	24° 28'46.29"N	83°0'11.58"E
	F	24° 28'46.06"N	83°0'12.05"E
	G	24° 28'46.18"N	83°0'12.46"E
	H	24° 28'45.91"N	83°0'13.19"E
	I	24° 28'46.31"N	83°0'13.53"E
14. Total Geological Reserves	729605 cum		
15. Total Mineable Reserves in LOI	208278 cum		

16. Total Proposed Production (in five year)	1,81,865 cum (1st Year to 5th Year)	
17. Proposed Production/year	36,373 cu.m/annum or 90,932.5 TPA	
18. Sanctioned Period of Mine lease	10 years	
19. Production of mine/day	121.24 cum/day	
20. Method of Mining	Opencast semi-mechanized Method	
21. No. of working days	300	
22. Working hours/day	8	
23. No. of workers	30	
24. No. of vehicles movement/day	8	
25. Type of Land	Waste Land	
26. Ultimate Depth of Mining	upto 151 mRL	
27. Nearest metalled road from site	SH-5A	
28. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.30 KLD
	Suppression of dust	1.2 KLD
	Plantation	6.25 KLD
	Others (if any)	0.0 KLD
	Total	7.75~7.80 KLD
29. Name of QCI Accredited Consultant with QCI No and period of validity.	P & M Solution Certificate No: NABET/EIA/1922/IA0053 Validity=10-12-2022	
30. Any litigation pending against the project or land in any court.	No	
31. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 4923/khanij/2022, Dated-18/01/2022	
32. Details of Lease Area in approved DSR	Attached	
33. Proposed CSR cost	RS- 1,20,000 /-	
34. Proposed EMP cost	Rs-7,00,000 (Capital cost) Rs-4,60,000 (Recurring cost)	
35. Length and breadth of Haul Road	200 m, 6 m	
36. No. of Trees to be Planted	About 1250 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 unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

### **RESOLUTION AGAINST AGENDA NO. 11**

**The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-3 to the minutes. The committee also stipulated following additional TOR Points:**

#### **Additional TOR:**

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigative measures for any critical issues involved in the project.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.

4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

**12. Stone-Khanda, Boulder, Ballast (Gitti) Mining at Araj No. 989, Khand No-10, Village-Makarbai, Tehsil-Sadar, Mahoba, Smt. Neerja Singh, M/s CBS Minerals LLP, Area 1.619 Ha. File No. 6775/Proposal No. SIA/UP/MIN/70136/2021**

The committee noted that the matter was earlier discussed in 564<sup>th</sup> SEIAA meeting dated 11/02/2022 and directed is as follows:

*“SEIAA noted that SEAC has recommended to grant ToR to the above project. SEIAA gone through file and documents and found that in the MoM depth of mine is mentioned as 36 mts for an area of 1.619 ha, project proponent/consultant needs to specify gradient of mining area and to certify whether it is safe as per guidelines laid down by DGMS, Gol. Hence SEIAA opined to refer back the project to SEAC-2 for review/comments.”*

As per the direction of SEIAA, the matter was listed in 644<sup>th</sup> SEAC meeting dated 11/04/2022. A presentation was made by the consultant M/s Ind Tech House Consult. The project proponent informed the committee is as follows:

- The proposed project is mining project for Stone Khanda Boulder, Ballast (Gitti). The proposed project is situated on already partially mined out hillock and geology of the area is Bundelkhand Granite. Granite is a massive structured igneous rock. It does not have Planar structures or Beds like Sedimentary rocks e.g. Sandstone.
- Topography of the proposed project is undulated and varies within Lease area from 233m AMSL (Highest point) towards South west and 188m (Lowest point) AMSL towards North direction. Project area already has three old mining pits in a scattered manner in oval shape.
- Approved Mining Plan is prepared on Current Surface scenario and topography of the lease area with scientific, systematic bench wise and environment friendly approach.
- In Approved Mining Plan, mining will be started from top of the lease area 230 mRL from existing Pit side and mineral from the top benches RL 230m., RL 224mRL, RL 218 m , RL 212m, RL 206m, RL 200m and RL 194m, will be mined out up to mining limits to get the required production for first Five Year mine plan Period.

Ultimate Depth of mine	<ul style="list-style-type: none"> <li>• Ground Level –190 m AMSL</li> <li>• Surface Level is 230 m AMSL of Hillock.</li> <li>• Therefore height of hillock is 40 mtr</li> <li>• Ultimate Depth from the Surface Level- 36 mtr or upto 194 mRL</li> </ul>
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- Mine Plan Period –In approved Mine Plan of Proposed Project, 36 m depth is given from the top of the surface level of Hillock (230mRL to 194mRL) to the bottom of Hillock. Proposed

lease area is small i.e. only of 1.619 Ha. 7.5 m wide strip all along the lease boundary has been left after reaching the near ground level.

- In the Proposed Project, mining will not be carried out below ground level in first five years of the Mine Plan period. Mining in first five year is proposed upto 194 m AMSL while ground level of the Area is 190 m AMSL

#### **RESOLUTION AGAINST AGENDA NO. 12**

**In view of above, the committee went through the replies submitted by the project proponent and found it satisfactory and recommended to issue the terms of reference for the preparation of EIA report as earlier prescribed in 616<sup>th</sup> SEAC meeting dated 05/01/2022.**

#### **13. Stone-Khanda, Boulder, Ballast (Gitti) Mining at Araj No.1985Kha, Vill.- Makarbai, The.-Sadar, Mahoba, Shri Rajniti Sharma.,Area 1.619 Ha. File No. 6784/Proposal No. SIA/UP/MIN/70420/2021**

The committee noted that the matter was earlier discussed in 564<sup>th</sup> SEIAA meeting dated 11/02/2022 and directed is as follows:

*“SEIAA noted that SEAC has recommended to grant ToR to the above project. SEIAA gone through file and documents and found that while examining the KML file it was found that part of the lease is in Madhya Pradesh. Hence SEIAA opined that the project shall be referred back to SEAC-2 for deliberation.”*

As per the direction of SEIAA, the matter was listed in 644<sup>th</sup> SEAC meeting dated 11/04/2022. A presentation was made by the consultant M/s Ind Tech House Consult. The project proponent informed the committee is as follows:

- Certified Map along with geo co-ordinates of area was issued for the area allotted to M/s S.R. Trading proponent Shri Rajniti Sharma.
- Accordingly the KML file of area was drawn with geo co-ordinates given in vigaypti as well as certified map for the area sanctioned to M/s S.R. Trading proponent Shri Rajniti Sharma.
- The area falls under toposheet no- 53O/15 which is a published document of Survey of India. (Govt . of India). Toposheets showing Uttar Pradesh –Madhya Pradesh State Boundary 800 m South Direction.

#### **RESOLUTION AGAINST AGENDA NO. 13**

**In view of above, the committee went through the replies submitted by the project proponent and opined that the distance of project site is 800 m away from Uttar Pradesh – Madhya Pradesh State Boundary as per documents presented by the project proponent. Hence, the committee recommended to issue the terms of reference for the preparation of EIA report as earlier prescribed in 616<sup>th</sup> SEAC meeting dated 05/01/2022.**

**14. Rajkiya Medical College Shahjahanpur at Gata No.-82mi, Gram-Dharnidhar Pur & Gata No.-12mi, Gram- Ajiipur Jignera, Jamaur, Tehsil- Sadar, Shahjahanpur. Principal, GSVM Medical Collage, -Kanpur, U.P. File No. 4423/Proposal No. SIA/UP/NCP/ 75978/2018**

The committee noted that the matter was earlier discussed in 567<sup>th</sup> SEIAA meeting dated 26/02/2022 and directed is as follows:

“SEIAA noted that the above project was taken in its 497<sup>th</sup> meeting in which SEIAA noted that the above project was taken in its meeting dated 24.10.2018 in which SEIAA found that the project proponent through his letter dated 5-10-2018 has requested to grant exemption from E.C. whereas Committee has recommended to grant E.C. for the proposed project along with general and specific conditions. Hence the matter is referred back to SEAC for comments. SEAC is requested to consider it on priority basis as it is a Govt. project.”

**RESOLUTION AGAINST AGENDA NO. 14**

The committee as per the direction of SEIAA went through the office memorandum of the Ministry of Environment, Forest and Climate Change dated 09/06/2015 which clarified that the notification no 32529(e) dated 22/12/2014 provides exemption to buildings of educational institutions including universities from obtaining prior Environmental Clearance under the provisions of the EIA Notification, 2006 subject to sustainable environmental Management.

In case of medical universities/ institutes the component of hospitals will continue to require prior Environmental Clearance.

As per the UP Government, letter dated 26/07/2011 this project is covered under Government of India scheme to establishment of new medical college attached with existing district/ referral dist hospital up gradation proposal

The committee went through the file and documents and observed that the project proponent/consultant failed to provide the clarification. So, the committee opined that the project proponent should submit the clarification in view of Notification No. S.O. 3252 (E) dated 22/12/2014 and Office Memorandum F. No. 19-2/2013-IA-III, Dated: 09<sup>th</sup> June, 2015

**15. Sand/Morrum Mining along Sone Riverbed at Gata No.-385, Khand No.- Dha, Village-Barhmori, Tehsil-Obra, District-Sonebhadra., Shri Rajiv Gupta M/s Vardhman Investment and Company Area-12.146 Ha. File No. 6234/Proposal No. SIA/UP/MIN/ 61304/2021**

**RESOLUTION AGAINST AGENDA NO. 15**

The Secretariat informed the committee that the Under Secretary, Environment, Forests & Climate Change, Anubhag-7 sent a letter no. 210/81-7-2022-68(Parya)/2016, dated 14/03/2022 attached a copy of compliant letter of Purvanchal Media Club, Sonebhadra letter dated 26/02/2022 and 18/02/2022 along with direction to take necessary action in the matter and informed accordingly.

The committee went through the compliant letter dated 26/02/2022 and 18/02/2022 and opined that the letters should be sent to District Magistrate, Sonebhadra and Department of Geology and Mining, UP to take necessary action in the matter and informed the SEIAA, UP accordingly.



**16. Granite (Khanda, Gitti & Boulder & Weathered Morrum) Mining at Gata No.-714, Khand No.-03, Village- Gonda, Tehsil-Karwi, District-Chitarkoot, U.P., Shri Kamlesh Kumar, Area -1.4169 ha. File No. 6036/5034/Proposal No. SIA/UP/MIN/58930/2019**

The committee noted that the matter was earlier listed in 515th SEAC meeting dated 28/12/2020 and the project proponent did not circulate documents to the members of SEAC on time and the committee decided to defer the matter in upcoming SEAC meeting. The project proponent vide letter dated 23/03/2022 have requested to list the matter in upcoming SEAC meeting and the matter was listed in 644th SEAC meeting dated 11/04/2022.

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

1. The environment clearance is sought for Granite (Khanda, Gitti & Boulder & Weathered Morrum) Mining at Gata No.-714, Khand No.-03, Village- Gonda, Tehsil-Karwi, District-Chitarkoot, U.P., (Leased Area -1.4169 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 463/Parya/SEAC/5034/2019, dated 13/12/2019.
3. The public hearing was organized on 10/09/2020 at Auditorium of Tehsil-Karwi, District-Chitarkoot, U.P. Final EIA report submitted by the project proponent on 23/03/2022.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/58930/2019	
2.	File No. allotted by SEIAA, UP	6036/5034	
3.	Name of Proponent	Shri Kamlesh Kumar S/o Shri Jagpat Singh	
4.	Full correspondence address of proponent	R/o- Village- Amaanpur, Tehsil- Karwi, District- Chitarkoot, U.P.	
5.	Name of Project	"Granite (Gitti, Khanda, Boulder & Weathered Morram) Mining Project	
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.-714 (Khand No.- 03)	
7.	Name of Village	Gonda	
8.	Tehsil	Karwi	
9.	District	Chitarkoot	
10.	Name of Minor Mineral	Granite (Gitti, Khanda, Boulder & Weathered Morram)	
11.	Sanctioned Lease Area (inHa.)	1.4169 ha.	
12.	Max.& Min mRL within lease area	180 mRL- 158 mRL	
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N) Longitude (E)
		A	25° 12' 34.45"N 80° 45' 41.90"E
		B	25° 12' 33.98"N 80° 45' 44.21"E
		C	25° 12' 28.41"N 80° 45' 41.73"E
		D	25° 12' 28.86"N 80° 45' 38.91"E
14.	Total Geological Reserves	1437520 m <sup>3</sup>	
15.	Total Mineable Reserves	249537 m <sup>3</sup>	
16.	Total Proposed Production (in five year)	70845 m <sup>3</sup>	
17.	Proposed Production / year	Year	Production
		1 <sup>st</sup>	14169 m <sup>3</sup>
		2 <sup>nd</sup>	14169 m <sup>3</sup>
		3 <sup>rd</sup>	14169 m <sup>3</sup>
		4 <sup>th</sup>	14169 m <sup>3</sup>
		5 <sup>th</sup>	14169 m <sup>3</sup>

		Total	70845 m <sup>3</sup>
18.	Sanctioned Period of Mine lease	20 Years	
19.	Method of Mining	Opencast Semi-Mechanized	
20.	No.of working days	300 days	
21.	Working hours/day	8 Hours/Day	
22.	No.Of workers	33 (approx.)	
23.	No.Of vehicle movement /day	8 (approx.)	
24.	Type of Land	Govt. revenue land	
25.	Ultimate Depth of Mining	12 meter (average)	
26.	Nearest metalled road from site	0.10 km	
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking& Others	0.33
		Suppression of dust	1.20
		Plantation	0.62
		Others( if any)	-----
		Total	2.15 KLD
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024	
29.	Any litigation pending against the project or land in any court	No	
30.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Chitrakoot vide Letter No. 1244/Khanij/ 2019-20 Dated 20 <sup>th</sup> June, 2019	
31.	Details of Lease Area in approved DSR	Page No.-29, S.No.- 2	
32.	Proposed CER cost	1.30 Lakh	
33.	Proposed EMP cost	10.35 Lakh	
34.	Length and breadth of Haul Road.	Length- 0.10 km, Width- more than 6.0 m	
35.	No. of Trees to be Planted	150	

5. 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.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

#### **RESOLUTION AGAINST AGENDA NO. 16**

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

1. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation as per the plan submitted by project proponent to be implemented.
2. Proponent shall make a notarized agreement/ consent of competent authority/ landowner for haulage road from lease site to link road.
3. The proponent/ consultant should adopt a facility for safe disposal of municipal solid waste and human excreta.
4. Proponent/ Consultant should implement the latest technology for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
5. The project proponent shall install solar light in their site office.
6. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.

7. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
8. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
9. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
10. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
11. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
12. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
13. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
14. The project proponent should explore the possibilities of rainwater harvesting.

**17. Sand/Moram Mining from Yamuna Riverbed at Khand No. 9/20 to 9/21, Village-Nanda ka purwa, Tehsil-Chail, Kaushambi Shri Rupesh Tripathi., Area: 14.0 Ha. File No. 6996/6698/Proposal No. SIA/UP/MIN/74034/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Geogreen Enviro House 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 environment clearance is sought for Sand/Moram Mining from Yamuna Riverbed at Khand No. 9/20 to 9/21, Village-Nanda ka purwa, Tehsil-Chail, Kaushambi, U.P. (Leased Area: 14.0 Ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 413/Parya/SEIAA/6698/2021, dated 07/01/2022.
3. The public hearing was organized on 15/03/2022 at 03:00 PM at Tehsil Chail, District: Kaushambi, Uttar Pradesh. Final EIA report submitted by the project proponent on 23/03/2022.
4. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/74034/2021
2.	File No. Allotted By SEIAA, UP	6996/6698
3.	Name Of Proponent	M/s. Krishna Enterprises Proprietor: Shri Rupesh Tripathi S/o Shri Ram Naresh Tripathi
4.	Full Correspondence Address Of Proponent And Mobile Number	Village- Ganpa, Tehsil- Sirathu, Dist- Kaushambi, U.P
5.	Name Of Project	Moram Mining at Yamuna River Bed
6.	Project Location (Plot/Khasra/Gata No.)	Located at Yamuna River Bed, Khand No. 9/20 to 9/21, Village – Nanda ka purwa, Tehsil – Chail, District - Kaushambi, U.P.
7.	Name of River	Yamuna River

8.	Name of Village	Nanda ka purwa			
9.	Tehsil	Chail			
10.	District	Kaushambi			
11.	Name Of Minor Mineral	Moram			
12.	Sanctioned Lease Area	14.0 Ha.			
13.	Mineable Area	10.5 Ha			
14.	Max. & Min mRL Within Lease Area	Max. 77 mRL& Min 72mRL			
15.	Pillar Coordinates (Verified By DMO)	Boundary Point	Latitude (N)	Longitude (E)	
		A	25°17’35.49” N	81°32’31.94” E	
		B	25°17’43.28” N	81°32’45.66” E	
		C	25°17’34.46” N	81°32’52.51” E	
		D	25°17’26.67” N	81°32’38.80” E	
16.	Total Geological Reserve	1,11,008 Cu m			
17.	Mineable Reserve	1,05,000 Cu.m/6 month			
18.	Total Proposed Production as per LOI	1,05,000 Cu.m/6 month			
19.	Proposed Production	1,05,000 Cu.m/6 month			
20.	Sanctioned Period Of Mine Lease	06 Month			
21.	Production of Mine/Day	583.33 cum			
22.	Method of Mining	Manual & Semi mechanized			
23.	No. of Working Days	06 Months			
24.	Working Hours/Day	08 hrs max (Day Time)			
25.	No. of Workers	60			
26.	No. of Vehicles Movement/Day	40-45 trucks once a day			
27.	Type of Land	Govt. Land /Non forest			
28.	Ultimate Depth of Mining	3m or above the ground water table whichever comes first			
29.	Nearest Metalled Road From Site	NH-731A– 10.5 Km, in South Direction from Mine Site			
30.	Water Requirement	Purpose	Requirement (Kld)		
		Drinking Water	0.6 KLD		
		Dust suppression	6.0 KLD		
		Plantation	0.168 KLD		
		Others, if any	-		
		Total	6.76 KLD		
31.	Name of The QCI Accredited Consultant With QCI No. And Period Of Validity	GEOGREEN ENVIRO HOUSE PVT LTD NABET/EIA/2124/RA0215 Valid till Feb 24, 2024			
32.	Any Litigation Pending Against The Project Or Land In Any Court.	No			
33.	Details Of 500m Cluster Map & Certificate Verified By Mining Officer	Letter No 467/Khanij Kaushambi dated 25/09/2021			
34.	Details Of Lease Area In Approved DSR	14.0 Ha.			
35.	Length And Breadth Of Haul Road	500.0 m x 6.0 m			
36.	No. of trees to be planted	100 Saplings			

5. 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.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

#### **RESOLUTION AGAINST AGENDA NO. 17**

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

1. Proponent shall submit the notarized agreement/consent of competent authority/ landowner for haulage road from lease site to link road.
2. Proponent should use latest technology for water spraying (sprinklers) for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
3. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted.
4. The proponent/ consultant should adopt a facility for safe disposal of municipal solid waste and human excreta.

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

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

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

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

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

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

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

**Nodal, SEAC-2**

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

**Annexure-1**

**General and Specific Conditions for Sand/Morum Mining Proposals**

**General Conditions:**

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

21. Dispensary facilities for first-aid shall be provided at site.
22. An Environmental Audit should be annually carried out during the operational phase and submitted to the SEIAA.
23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation and Urban Local Body.
26. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
27. Waste water, from temporary habitation campus be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
28. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
29. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken, shall be carried-out by the project proponent regularly at his own expenses.
30. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other suitable material.
31. Under corporate social responsibility a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for total lease period. Its budget is to be separately maintained. CER component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
32. Possibility for adopting nearest three villages shall be explored and details of civic amenities such as roads, drinking water etc proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
33. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P and UPPCB.
34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.
35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.
37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.

39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).
42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Integrated Regional Office, MoEF&CC, GoI, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

**Specific Conditions:**

1. The Environmental clearance will be co-terminus with the mining lease period.
2. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
3. Environment management in according to environmental status and impact of the project.
4. During the school opening and closing time transportation of minerals will be restricted.
5. Selection of plants for green belt should be on the basis of pollution removal index. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
6. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
7. Pakkamotorable haul road to be maintained by the project proponent.
8. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
9. Permission from the competent authority regarding evacuation route should be taken.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.



13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road. Width of the haul road shall be more than 6 meter.
14. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
15. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
16. Provision for two toilets and hand pumps should be made at mining site.
17. Drinking water for workers would be provided by tankers.
18. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
19. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
20. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
21. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
22. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
23. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
24. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
25. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
26. If in future this lease area becomes part of cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
27. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
28. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
29. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 05 ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05 ha, the E.C issued will stand revoked.
30. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
31. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
32. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width which-ever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.

33. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
34. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
35. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
36. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
37. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
38. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
39. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
40. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
41. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
42. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
43. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
44. Solid waste material viz., gutkha pouches, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management rules.
45. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
46. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P. and UPPCB.
47. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, CPCB, State PCB.
48. The MoEF&CC/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

49. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
50. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
51. Waste water from potable use be collected and reused for sprinkling.
52. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.

Annexure-2

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

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
16. A separate Environmental Management Cell with suitably qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
18. The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purposes. The year-wise expenditure shall be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board

19. The Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board shall monitor compliance with the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other documents information should be given to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat, and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit a regular half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

**B. Specific Conditions:**

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.
6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
7. A comprehensive EIA including mining areas within 15 K.M. to assess the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.
10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation.

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

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

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



**Annexure-3**

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

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

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

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

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