

### **Minutes of 693<sup>rd</sup> SEAC-2 Meeting Dated 12/10/2022**

The 693<sup>rd</sup> meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 12/10/2022. 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. | Shri Ashish Tiwari,         | Member Secretary, SEAC-2    |

The Chairman welcomed the members to the 693<sup>rd</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. **Building Stone "Sand Stone" Project at Arajai No.-01, Village-Ahirupur, Tehsil- Chunar, District-Mirzapur., Smt. Ruchi Singh W/o Shri Santosh Singh, Leased Area -0.809. File No. 5784/Proposal No. SIA/UP/MIN/50340/2020**

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

1. Plan for vehicular movement from lease site to link road with detailed information.
2. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
3. Detailed proposal about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
4. 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.
5. Water requirement details along with source of water.
6. Original Monitoring report along with site photographs, date, time and place with geo coordinates.
7. EIA report as per procedure laid down in appendix-v & paragraph-7 of EIA Notification, 2006.

The project proponent submitted their replies through online Parivesh Portal on 08/09/2022 and the matter was listed in 693<sup>rd</sup> SEAC meeting dated 12/10/2022. 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 Ind Tech House Consult. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Building Stone (Sandstone) Mining Project at Arajai No. 01 Village-Ahirupur, Tehsil-Chunar, District- Mirzapur, U.P. (Leased Area 0.809 Ha).
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 21/Parya/SEAC/5784/2019 dated 06/04/2021.
3. The Public Hearing was organized on 03/09/2021. Final EIA Report was submitted by the Project Proponent on 22/12/2021
4. Salient features of the project as submitted by the project proponent:

**Minutes of 693<sup>rd</sup> SEAC-2 Meeting Dated 12/10/2022**

1.	On Line Proposal No.	SIA/UP/MIN/50340/2021		
2.	File No. allotted by SEIAA, UP	5784		
3.	Name of Proponent	Smt. Ruchi Singh W/o Shri Santosh Singh		
4.	Full correspondence address of proponent and mobile no.	R/o Vill- Sariya, Tehsil- Chunar, District- Mirzapur, U.P.		
5.	Name of Project	Building Stone (Sandstone) Mining Project Smt. Ruchi Singh at Araji No 01 Village-Ahirupur , Tehsil-Chunar, District-Mirzapur, U.P. Area 0.809 Ha		
6.	Project Location (Plot.Khsra/Gata/Araji No.)	Araji No. 01		
7.	Name of Village	Ahirupur		
8.	Tehsil	Chunar		
9.	District	Mirzapur		
10.	Name of Minor Mineral	Building Stone (Sandstone)		
11.	Sanctioned Lease Area (in Ha.)	0.809 Ha.		
12.	Max. & Min mRL within lease area	113.20 mRL & 105.80 mRL		
13.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
		A	25°2'43.84"N	82°59'6.46"E
		B	25°2'43.75"N	82°59'9.35"E
		C	25°2'40.19"N	82°59'9.06"E
		D	25°2'40.51"N	82°59'6.76"E
14.	Total Geological Reserves	224162m <sup>3</sup> /Annum		
15.	Total Mineable Reserve in LOI	8090 m <sup>3</sup> /Annum		
16.	Total Proposed Production in LOI	8090 m <sup>3</sup> /Annum		
17.	Total Proposed Production in 20 Years	8090*20=161800 m <sup>3</sup>		
18.	Sanctioned Period of Mine lease	20Years		
19.	Method of Mining	Open cast Manual/ Semi Mechanized Mining		
20.	No. of working days	300 Days		
21.	Working hours/day	8 Hours		
22.	No. of worker	22 Workers		
23.	No. of vehicles movement/day	3 Trucks / Day (Depending on market demand)		
24.	Type of Land	Govt. Land		
25.	Ultimate of Depth of Mining	18.00 m		
26.	Nearest metalled road from site	1.60 Km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.22 KLD	
		Suppression of dust	7.20 KLD	
		Plantation	1.6 KLD	
		Others (if any)		
		Total	9.02 KLD (9.00 KLD Approx.)	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult Certificate No- NABET/EIA/2023/SA 0174/Rev. 01, Period of Validity- 29-04-2023		
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	Letter No-1580 Date-14.11.2019		
31.	Details of Lease Area in approved DSR	Page No'-12 Sr. No'-46		
32.	Proposed CER cost	2% of total project cost i.e. Rs.1,11,340		
33.	Proposed EMP cost	17.74 Lakhs		
34.	Length and breadth of Haul Road	600 m Length & 6m width haulage road		
35.	No. of Trees to be Planted	400 Trees		
36.	Baseline Monitoring Period	February 2019 to May 2019		

5. 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.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 10/10/2022 mentioning is as follows:

1. I, Umesh Pratap Singh, S/o Late Surya Pal Singh Chauhan am EIA Coordinator of Ind Tech House Consult.
2. I have prepared EIA report for the proposal no. (SIA/UP/MIN/50340/2020), Project Name: Smt Ruchi Singh, W/o Shri Santosh Singh Building Stone (Sandstone) Mining Project named Smt. Ruchi Singh at Araj No. 01 Village-Ahirupur , Tehsil-Chunar, District- Mirzapur, U.P. (Leased Area 0.809 Ha) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which is submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

### **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. The project proponent shall install solar light in their site office.
2. 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.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. 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
5. 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.
6. 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.

7. 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.
8. 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.
9. 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.
10. 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.
11. The project proponent should explore the possibilities of rainwater harvesting.
12. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
13. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
14. As per the proposed plan, plantation with area specific plant species, number of plants to be Planted and report of green belt development to be submitted to the concerning department

2. **River Bed Sand Mine Project at Gata No.- 01 Kha, 277, Khand No.-02, Village- Teharka, Tehsil-Garautha, District- Jhansi, M/s Shiv Corporation (India)Ltd). Shri Jitendra Singh, Lease Area: 13.0 ha. File No. 5671/Proposal No. SIA/UP/MIN/53372/2020**

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

The project proponent/consultant did not appear. The committee discussed and deliberated that the 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 requests on prescribed online portal.

3. **Establishment of new 80 KLD Grain/ Molasses Based Distillery Unit (RS/ENA/Ethanol) along with 3.0 MW Co-Generation Power Plant at Khasra No.- 612/1, 564, 565, 566, 567, 589/1, 590, 600/1, 601, 602, 603, 604, 605/1, 606/1, 613/2 in Village- Derabarari, Tehsil- Bara, District- Prayagaraj, U.P., M/s Mahakaushal Agricrop India Pvt. Ltd., Shri Arun Patode, Director. File No. 6055/Proposal No. SIA/UP/IND2/59292/2020**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental and Technical Research Centre. During the presentation the SEAC asked about the khasra number mismatch between the online TOR proposal and final EIA report submitted by the project proponent to SEIAA. The project proponent submitted an affidavit dated 12/10/2022 regarding khasra number mismatch between the online TOR proposal and final EIA report and mentioned is as follows:

1. That, in reference to clarification for difference in khasra details in form-1 and form-2, we would like submit that, proposed land khasra numbers are : 612/1, 564, 565, 566, 567, 589/1, 590, 600/1, 601, 602, 603, 604, 605/1, 606/1, 613/2, in Village- Derabarari, Tehsil- Bara, District- Prayagaraj, U.P. Ownership document of the same is enclosed. Land use conversion letter for the same is attached.

2. That, Khasra number mentioned in form-1 are, 103, 46, 53, 37, 39, 59, 23, 41, 49mi, 56, 60, 61, 62, 65, 70, 37, 39, 59, 36mi, 38, 46mi, 49, 50, 51, 52, 54, 55, 57, 63, 64, 71, 72, 73, 74, 76, 80 which is incorrect due to typographical error, correct khasra no. are - 612/1, 564, 565, 566, 567, 589/1, 590, 600/1, 601, 602, 603, 604, 605/1, 606/1, 613/2. Village name and area will be same as form-1 & form-2.
3. That, khasra number mentioned in every document submitted to SEIAA and UPPCB is correct, except in form-1. TOR application submitted to SEIAA, covering letter for conduct of public hearing, letter for UPPCB to DM, Prayagraj for public hearing, public hearing advertisement, public hearing minutes of meeting etc is attached for reference.
4. That, in addition to this, we are apologizing for such mistake and wanted to ensure Hon'ble SEAC that, such kind of mistakes will never happen in future.

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

1. The environmental clearance is sought for Establishment of new 80 KLD Grain/ Molasses Based Distillery Unit (RS/ENA/Ethanol) along with 3.0 MW Co-Generation Power Plant at Khasra No.- 612/1, 564, 565, 566, 567, 589/1, 590, 600/1, 601, 602, 603, 604, 605/1, 606/1, 613/2 in Village- Derabarari, Tehsil- Bara, District- Prayagaraj, U.P., M/s Mahakaushal Agricrop India Pvt. Ltd.
2. The standard Terms of Reference in the matter were issued through online Parivesh Portal on 21/12/2020.
3. The Public Hearing was organized on 22/03/2021. Final EIA Report was submitted by the Project Proponent on 19/06/2021
4. Salient features of the project as submitted by the project proponent:

17. Salient features of the project as submitted by the project proponent.			
S. No.	Particulars	Details	
1.	Name of unit	Mahakaushal Agricrop India Pvt. Ltd. (Molasses / Grain based distillery unit)	
2.	Khasra No.	Khasra No – 612/1, 564, 565, 566, 567, 589/1, 590, 600/1, 601, 602, 603, 604, 605/1, 606/1, 613/2.	
3.	Location of project	Gram: Derabari Tehsil: Bara, District, Prayagraj, State: Uttar Pradesh	
4.	Land	Total land allocated =9.779 Hectare. Green Area will be 3.22 Hectare (33 % of total land) 8050 numbers of tree proposed to be planted	
5.	Product	RS/ENA/Ethanol Proposed Molasses / Grain based distillery of capacity 80 KLD along with 3.0 MW Co-Generation Power Plant Note: Proposed plant either run on 100 % Molasses or 100% Grain, depend on the availability of raw material (only one at a time, either Molasses or grain.)	
6.	By product	Mode I	Mode II
		Molasses Based Operations	Grain Based Operations
		CO <sub>2</sub> =57 TPD	CO <sub>2</sub> = 53 TPD
		Unit will install CO <sub>2</sub> recovery plant	
7.	Working days	365 Days	
8.	Main Raw Material	Mode I	Mode II
		Molasses Based Operations	Grain Based Operations
		Molasses 348 MT/Day	Grain 174 MT/Day
9.	Total Water Requirement	Mode I	Mode II
		498 KLD (@6.2 KL/KL of Products)	466 KLD (@ 5.8 KL/KL of products)
		For Power Plant (Turbine):72 KL/Day	
		Domestic water requirement:20 KLD	
10.	Source of Water	Ground Water	
11.	Waste Water Treatment System	Waste water treatment facilities will be different for grain based operations as wells as molasses based operations, details are as under:	
		MODE I : 80 KLD Molasses based	
		Spent-wash : 789 KLD	For Spent wash treatment:

		Other Effluents: 315 KLD	1.MEE 2.Slop Fired Boiler For Other effluent treatment: Condensate Polishing Plant will be installed.
		MODE II : 80 KLD Grain based	
		Spent-wash: 489 KLD Other Effluents: 486 KLD	For Spent wash treatment: 1.Decanter centrifuge 2.MEE 3.DWGS Dryer For Other effluent treatment: Condensate Polishing Plant will be installed.
		For Domestic waste Sewage Treatment Plant of 25 KLD Capacity will be installed.	
12.	Waste water treatment scheme	Zero Liquid Discharge will be maintained, with 100% recycling and reuse of Treated Effluent Streams.	
13.	Boiler , APCS and Fuel	Slop Fired Incineration Boiler will be installed for Steam Generation. Incinerator Boiler Capacity: 32 TPH ESP with 60 Meter Stack height will be installed.	
14.	Estimated Process Steam requirement + Boiler Steam Requirement  Estimated Steam to condensing  Total steam requirement	Mode I, Molasses Based Operations	Mode II, Grain Based Operations
		Concentrated Slops : 250 TPD Indian Coal : 25 TPD	Rice Husk : 105-110 TPD or Indian Coal : 80 TPD
		Mode I Molasses Based Operations 20 TPH	Mode II Grain Based Operations 16.5 TPH
		7 TPH	5 TPH
15.	Solid waste	Total Ash ~ 45 MT/Day: Due to its high Potash content, this will be used as Fertilizer. Yeast Sludge : ~10-15 MT/Day will be sold to farmers for mixing with Cattle-feed Condensate Polishing Unit Dried Sludge : ~5 TPD will be sold to the farmers Cattle Feed DDGS : 37-38 TPD will be sold as Cattle Feed/Poultry Feed / Fish Feed	
16.	Manpower	Direct employment : 110 persons Indirect employment : 150 persons	
17.	Total project cost	110 Crores	
18.	Cost towards Environmental protection measures	Rs. 40 Cr.	
19.	Recurring cost towards Environmental control measures.	Rs. 1.2 Cr.	
20.	Rain water harvesting pits	4 nos. recharge pits each of 3.5 m × 3.5 m × 3.2 m in size at peak rainfall intensity of 30 mm.	

**5. Land use details:**

S. No.	Particulars	Area (Hectares)
1.	Main plant, machinery & utilities	3.431
2.	Raw material & product storages	0.9779
3.	Roads & open area	1.36
4.	Admin office	0.79
5.	Total greenbelt development and plantation	3.22
Total		9.779 Hectares

**6. Raw material details:**

S.	Particulars	Total	Storage	Source & Mode of	Distance from
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No.		Requirement (TPD)		Transportation	project site
1.	Molasses	348 MT/Day	Tanks of storage capacity 2x15000 tonnes	From captive through pipelines & nearby sugar mills by road in tankers	200 m (for Captive Transfer) Or Upto 150 kms from nearby Sugar Mills
2.	Grain	174 MT/Day	Grain Silo	From authorised dealers	With 200 kms of project site
3.	Chemicals				
	Caustic soda	0.2-0.3	Packed in 50 kg Bags & stored in Godown	Near-by markets by road	500-750 kms
	Nutrients	0.3			
	Enzyme	0.06	Packed in Cans & stored in Godown		
	Antifoam Agent	0.22			
	Yeast (Active Dry Yeast/Distiller's Yeast)	Own Propagation	--		

**7. Water requirement details:**

7. Water Requirement details:			
Particular	Quantity		Remarks
Fresh Water Requirement	MODE I	MODE II	Maximum fresh water requirement of water in day will be 590 KLD.
	498 KLD (@6.2 KL/KL of Products)	466 KLD (@ 5.8 KL/KL of products)	
	For Power Plant (Turbine):72 KL/Day		
	Domestic water requirement: 20 KLD		
Source of Water	Ground Water through tube well	Unit will obtain UPGWD NOC before start of installation of plant.	
Industrial Waste Water Generation (Spent wash)	MODE I : 80 KLD Molasses based	MODE II :80 KLD Grain based:	For Spent wash treatment: 1.MEE 2. Slop fired boiler
	789 KLD	489 KLD	For Spent wash treatment: 1.Decanter centrifuge 2.MEE 3.DWGS Dryer
Domestic Waste Water	12 M <sup>3</sup> /day	Sewage Treatment Plant of 25 KLD Capacity will be installed.	
Other Effluent Generation (Condensates)	MODE I : 80 KLD Molasses based	MODE II :80 KLD Grain based:	Condensate Polishing unit (CPU) will be installed
	315 KLD	486 KLD	

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

The consultant (EIA Coordinator) also submitted an affidavit dated 10/10/2022 mentioning is as follows:

1. I, Manoj Garg, S/o Late Shri Surendra Kumar Garg is EIA Coordinator of M/s Environmental and Technical Research Centre.
2. I have prepared EIA/EMP report for the proposal in proposed Establishment of new 80 KLD Grain/ Molasses Based Distillery Unit (RS/ENA/Ethanol) along with 3.0 MW Co-Generation Power Plant at Khasra No.- 612/1, 564, 565, 566, 567, 589/1, 590, 600/1, 601, 602, 603, 604, 605/1, 606/1, 613/2 in Village- Derabarari, Tehsil- Bara, District- Prayagaraj, U.P., M/s Mahakaushal Agricrop India Pvt. Ltd. File no. 6055, proposal no. (SIA/UP/IND2/59292/2020) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.

4. I am satisfied with that all the necessary data/information submitted along with EIA are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivash Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which is submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:**

**Additional Conditions:**

1. Project proponent is advised to explore the possibility and getting the cement in container rather through the plastic bag.
2. Project proponent should ensure that there will be no use of “Single use of Plastic” (SUP).
3. 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.
4. The project proponent is directed to comply with the public hearing queries/questions and TOR conditions in a time bound manner as per action plan submitted by the proponent and submit compliance report regularly as per EIA notification.
5. The project proponent shall comply with the CPCB charter/guidelines and time to time direction for the distillery unit.

**Standard environmental clearance conditions**

**I. Statutory compliance:**

1. 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.
2. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes involved in the project.
3. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
4. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.



6. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
7. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

**II. Air quality monitoring and preservation:**

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).
3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

**III. Water quality monitoring and preservation:**

1. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
2. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
3. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate

conveyance system.

4. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
5. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
6. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.
7. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

**IV. Noise monitoring and prevention:**

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

**V. Energy Conservation measures:**

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

**VI. Waste management:**

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

**VII. Green Belt:**

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

**VIII. Safety, Public hearing and Human health issues:**

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

**IX. 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 report to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**X. Miscellaneous:**

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The project proponent shall submit six-monthly reports on the status of the

- compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  13. The Ministry reserves the right to stipulate additional conditions if found necessary.
  14. The Company in a time bound manner shall implement these conditions.
  15. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  16. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
  17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
4. **Institutional Building (IT/ITES Building) Project at Plot No.- B-23, Sector-62, Noida, M/s Seven Star Infosoft Pvt. Ltd. Shri Mukesh Kumar Arora. File No. 6580/Proposal No. SIA/UP/MIN/229916/2021**

The committee noted that the matter was earlier discussed in 601<sup>st</sup> SEIAA meeting dated 11/05/2022 and decided is as follows:

*“SEIAA noted that SEAC-2 has recommended to grant EC to the above project. SEIAA gone through file and documents and found that QCI validity of the consultant is mentioned as 21-12-2021 in the MoM of SEAC-2 while the presentation was made before SEAC-2 on 26-04-2022. SEAC-2 should not allow the consultant to present the project after expiry of their QCI validity period. Thus appraisal done by SEAC-2 is not tenable.”*

The project proponent submitted their replies vide letter dated 16/09/2022 and mentioned that during SEAC query reply presentation in 647<sup>th</sup> meeting held on 26/04/2022 the QCI/NABET accreditation for Ascenso Enviro Pvt. Ltd. is valid till 13/06/2022 and there was no gap in the

NABET/QCI accreditation of M/s Ascenso Enviro Pvt. Ltd. Presently, the NABET/QCI accreditation of M/s Ascenso Enviro Pvt. Ltd. is valid up to 21/12/2024.

**The committee went through the reply submitted by project proponent and observed that due to typographical error in meeting of minutes dated 26/04/2022 the validity of QCI/NABET accreditation for the consultant mentioned as 21/12/2021 instead of 13/06/2022. Hence, the committee recommended to grant the environmental clearance for the project proposal along with environmental clearance conditions as earlier stipulated in 647<sup>th</sup> SEAC meeting dated 26/04/2022.**

**5. Group Housing at Plot No 3, SP-03, Sector-3, Siddharth Vihar, Ghaziabad, U.P., M/s T and T Infra Developers Pvt. Ltd. File No.6640/Proposal No. SIA/UP/MIS/ 232844/2021**

The committee noted that the matter was earlier discussed in 648<sup>th</sup> SEIAA meeting dated 08/09/2022 and directed is as follows:

*“SEIAA gone through the e-mail dated 12/07/2022 of project proponent regarding correction in the address of the project site. SEIAA opined to refer the mail to SEAC-2 for comments.”*

As per the direction of SEIAA, the matter was listed in 693<sup>rd</sup> SEAC meeting dated 12/10/2022. The committee discussed the matter and directed the project proponent to submit online amendment application regarding correction in the address of the project site along with the verified documents of existing EC plot no. and also amended application plot no from the competent authority i.e. GDA/Awas Vikas/Revenue Department along with the status of both plots and site photographs.

**6. Sand/Morrum Mining from Betwa River bed at Gata No - 1482, Khand No-02, Village-Teekar, Tehsil- Orai, District- Jalaun, Shri Sushil Kumar Gupta, M/s Sushil Stone Gramodhyog, Area 20.20 ha. File No.6688/Proposal No. SIA/UP/MIS/69252/2021**

The committee noted that the matter was earlier discussed in 649<sup>th</sup> SEIAA meeting dated 09/09/2022 and directed is as follows:

*“SEIAA noted that SEAC-2 has recommended to grant EC to the above project. SEIAA gone through file and documents and found that in MoM at point no. 16 Total Mineable Reserve is mentioned as 2,01,700 m<sup>3</sup> while at point no. 18 Proposed Production /year (as per LoI) is mentioned as 2,02,000 m<sup>3</sup>. Proposed production per year is more than the mineable reserve available per year thus leading to unsustainable mining. Hence SEIAA opined to refer back the project to SEAC-2 for review/comments. Proposal will be examined after getting a reply from SEAC-2.”*

As per the direction of SEIAA, the matter was listed in 693<sup>rd</sup> SEAC meeting dated 12/10/2022. The committee discussed the matter and opined that the project proponent should present before SEAC and clarify the issues raised by SEIAA along with supporting documents.

**7. Expansion of Group Housing at Khasra No. 69m, 70m, 70mi, 71m, 71mi, 72m, 72mi, 73m, 73mi, 76m, 76mi, 77/2, 79mi at Village-Chhajarsi, Tehsil- Dadri, Gautam Buddha Nagar, Shri Sudeep Yadav, M/s Ramprastha Urban Development Pvt. Ltd. File No. 7180/Proposal No. SIA/UP/MIS/78848/2022**

The committee noted that the matter was earlier listed in 649<sup>th</sup> SEIAA meeting dated 09/09/2022 and directed is as follows:

*“SEIAA noted that SEAC-2 has recommended to issue ToR to the above project. SEIAA gone through file and documents and found that in MoM Name of consultant is mentioned as Paramarsh whereas SEAC-2 has taken affidavit from consultant it is mentioned as IND Tech House, and has recommended the proposal for grant of ToR on the basis of this affidavit. 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 693<sup>rd</sup> SEAC meeting dated 12/10/2022. The committee went through the file and documents and observed that due to

typographical error in meeting of minutes dated 08/08/2022 the name of the consultant in 1<sup>st</sup> paragraph mentioned as M/s Paramarsh (Servicing Environment and Development) instead of M/s Ind Tech House Consult. The committee recommended to read the name of consultant M/s Ind Tech House Consult in 1<sup>st</sup> paragraph of SEAC meeting of minutes dated 08/08/2022 and issue the terms of reference for the preparation of EIA report as earlier prescribed by SEAC.

8. **Stone (Sand Stone) Mining at Gata No.- 485 & 486 Vill. Pattikalan, Tehsil- Chunar, District- Mirzapur, Shri Abdul Hamid Ansari, Area-1.818 ha. File No. 6151/Proposal No. SIA/UP/ MIN/60482/2021**

The committee noted that the matter was earlier listed in 649<sup>th</sup> SEIAA meeting dated 09/09/2022 and decided is as follows:

*This project was taken up in SEIAA meeting no. 620 dated 21.06.2022 where SEIAA noted as follows –*

*“SEIAA noted that SEAC-2 has recommended to grant EC to the above project. SEIAA gone through file and documents and found that as per DSR page no. 62 the above mine was already under operation from 24.03.2010 to 11.04.2020 by the same owner. SEIAA opined that project proponent shall submit the certified compliance report from IRO, MoEFCC, Gol, Lucknow to SEAC-2. SEAC-2 shall deliberate on the certified compliance report and give their recommendation to SEIAA. Hence the project is referred back to SEAC-2.”*

*SEAC-2 has recorded in the MoM as follows –*

*“The project proponent/consultant submitted the reply to the query along with a letter from Senior Mines Officer, Mirzapur (Letter no. 867/Khanij/2022, dated 30/06/2022). Senior Mines Officer, Mirzapur in its letter dated 30/06/2022 mentioned that the project proponent comply with the conditions mentioned in environmental clearance dated 16/11/2016 issued by DEIAA, Mirzapur. The project proponent also submitted self-certified compliance report before the SEAC.”*

*PP / consultant has not complied with the directions of SEIAA. PP / consultant to submit certified compliance report either from IRO, MoEFCC, Gol, Lucknow or UPSPCB to SEAC-2. SEAC-2 shall deliberate on the certified compliance report and give their recommendation to SEIAA. Hence the project is referred back to SEAC-2.*

As per the direction of SEIAA, the matter was listed in 693<sup>rd</sup> SEAC meeting dated 12/10/2022. The committee went through the file and documents and observed that the project proponent submit the compliance report issued by Regional Officer, UP Pollution Control Board, Sonbhadra vide letter no. G002325/Misc./2022, dated 11/10/2022 as desired by SEIAA. Hence, the committee recommended to grant the environmental clearance for the project proposal along with general and specific conditions as earlier stipulated in 658<sup>th</sup> SEAC meeting dated 24/05/2022.

9. **Sand/Morrum Mining from Dhasan River bed at Gata No.-1419 Kha, Khand No.-01, Villlage- Dhamnaud, Tehsil- Garautha, District- Jhansi, Shri Vipin Kumar Saxena, Area- 24.00 ha. File No. 5860/5578/Proposal No. SIA/UP/MIN/56882/2020**

The committee noted that the matter was earlier listed in 649<sup>th</sup> SEIAA meeting dated 09/09/2022 and directed is as follows:

*This project was discussed in SEIAA meeting 510 dated 08.11.2021 where SEIAA opined as follows –*

*“SEIAA noted that SEAC has recommended to grant EC to above project. SEIAA gone through file and documents and opined that fresh public hearing should be conducted as per EIA notification 2006 (as amended).”*

From the MoM it becomes evident that data collection is during the period 08.01.2020 to 24.03.2020. Refer back to SEAC-2 for clarification on following issues –

- a) LoI was issued on 28.01.2020 and the data collection started before issuance of LoI. This needs clarification.
- b) Whether the draft EIA-EMP was prepared based on data for a period of 75 days?
- c) A clear comment whether data was collected as mandated in EIA Notification 2006 or not?

As per the direction of SEIAA, the matter was listed in 693<sup>rd</sup> SEAC meeting dated 12/10/2022. The committee went through the issues raised by SEIAA and following observation has been made:

S.N.	Issues	Observation
1.	a) LoI was issued on 28.01.2020 and the data collection started before issuance of LoI. This needs clarification.	The project proponent/consultant collected the baseline monitoring data from January 08, 2020 to March 24, 2020 (only 75 days) due to covid-19 pandemic.  Subsequently, the project proponent/consultant collected one season (03 months) additional baseline monitoring data for the post monsoon season i.e. (October, 2020 to December, 2020) as per observation of SEAC and twice public hearing has also been done i.e. 22/08/2020 & 06/05/2022 (one for old monitoring data and second for new monitoring data) as per direction of SEIAA.
2.	b) Whether the draft EIA-EMP was prepared based on data for a period of 75 days?	The project proponent/consultant prepared the draft EIA/EMP based on three months baseline monitoring data i.e. (October, 2020 to December, 2020).
3.	c) A clear comment whether data was collected as mandated in EIA Notification 2006 or not?	The project proponent/consultant collected one season (03 months) additional baseline monitoring data for the post monsoon season i.e. (October, 2020 to December, 2020) as per EIA Notification, 2006 (as amended).

**In view of above facts, the committee feels that the project proponent/consultant collected the baseline monitoring data for the post monsoon season i.e. (October, 2020 to December, 2020) as per EIA Notification, 2006. Hence, the committee recommended to grant the environmental clearance for the project proposal along with general and specific conditions as earlier stipulated in 678<sup>th</sup> SEAC meeting dated 08/08/2022.**

**(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**

**(Ashish Tiwari)  
Member-Secretary**

**(Dr. Harikesh Bahadur Singh)  
Chairman, 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 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 whichever is less. 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.