

Minutes of 668th SEAC-2 Meeting Dated 27/06/2022

The 668th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 27/06/2022. Following members participated in the meeting:

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

The Chairman welcomed the members to the 668th 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 for Production capacity of 2,24,000 cu.m./Year at Village Hardauli, Tehsil: Ghatampur, District: Kanpur Nagar, Shri Imran Hasan Siddiqui, M/s Sarang Infratech ., Area 14.0 ha. File No. 6300/Proposal No. SIA/UP/MIN/62646/2021**

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 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 environmental clearance is sought for Hardauli Sand/ Morrum Mining Project at Khasra/Gata no. 1152,1087,1155,1153,1156,1157,1158,1159,1160,1154,1171,1163 & 1164, Village: Hardauli, Tehsil: Ghatampur, District: Kanpur Nagar, State: Uttar Pradesh, (Leased Area 14.0 ha), M/s Sarang Infratech.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 380/Parya/SEAC/6300/2021, dated 23/12/2021.
3. The public hearing was organized on 16/03/2022 at Tehsil - Ghatampur, District- Kanpur Nagar, U.P.. Final EIA report submitted by the project proponent on 02/05/2022.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/62646/2021
2. File No. allotted by SEIAA, UP	6300
3. Name of Proponent	M/s Sarang Infratech
4. Full correspondence address of proponent and mobile no.	M/s Sarang Infratech Proprietor- Imran Hasan Siddiqui Authorized Signatory- Khwaja Iftikhar Uddin Address- R/o-126, 21,1 Rana Hotel B N Road lalbagh Lucknow (U.P.) , 212601
5. Name of Project	Hardauli Sand/ Morrum Mining Project at Khasra/Gata no. 1152,1087,1155,1153,1156,1157,1158,1159,1160,1154,1171, 1163 & 1164 Village: Hardauli, Tehsil: Ghatampur, District: Kanpur Nagar, State: Uttar Pradesh
6. Project location (Plot/Khasra/Gata No.)	Khasra/Gata

	no.1152,1087,1155,1153,1156,1157,1158,1159,1160,1154,1171,1163 & 1164			
7. Name of River	Yamuna River			
8. Name of Village	Hardauli			
9. Tehsil	Ghatampur			
10. District	District Kanpur Nagar, Uttar Pradesh			
11. Name of Minor Mineral	Sand/Morrum			
12. Sanctioned Lease Area (in Ha.)	14.0 ha			
13. Max. & Min mrl within lease area	102.0 mRL & 96.0 mRL			
14. Pillar Coordinates (Verified by DMO)		Pillar No.	Latitude N	Longitude E
		A	25°59'57.79"N	80° 5'21.45"E
		B	25°59'51.15"N	80° 5'50.72"E
		C	25°59'45.54"N	80° 5'48.44"E
		D	25°59'53.34"N	80° 5'19.18"E
15. Total Geological Reserves	4,20,000 m3			
16. Total Mineable Reserves in LOI	2,24,000 m³			
17. Total Proposed Production (in five year)	11,20,000 m³			
18. Proposed Production/year	2,24,000 cu.m./Year			
19. Sanctioned Period of Mine lease	5 years			
20. Method of Mining	Opencast Semi-mechanized.			
21. No. of working days	270			
22. Working hours/day	8			
23. No. Of workers	69			
24. No. Of vehicles movement/day	75			
25. Type of Land	Govt Land			
26. Ultimate Depth of Mining	2.0 m			
27. Nearest metalled road from site	SH-91			
28. Water Requirement	PURPOSE		REQUIREMENT (KLD)	
	Drinking		0.69-0.70 KLD	
	Suppression of dust		3.0 KLD	
	Plantation		14.0 KLD	
	Others (if any)			
	Total		14.70-18.0 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. 628/30- Up Khanij/ 2021, dated 16-04-2021.			
32. Details of Lease Area in approved DSR	Attached			
33. Proposed CSR cost	RS- 1,40,000 /-			
34. Proposed EMP cost	Capital Rs-11,82,500/- Recurring cost- Rs 14,90,000			
35. Length and breadth of Haul Road	250 m, 6 m			
36. No. of Trees to be Planted	About 14000 trees will be planted along both sides of roads and civic amenities in consultation with the local authorities.			

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).

The consultant (EIA Coordinator) also submitted an affidavit dated 25/06/2022 mentioning is as follows:

1. I, Rahul Kumar is EIA Coordinator of P & M Solution, Noida.
2. I have prepared EIA/EMP report for the proposal No. SIA/UP/MIN/62646/2021, File No 6300, Hardauli Sand/ Morrum Mining Project at Khasra/Gata no. 1152,1087,1155,1153,1156,1157, 1158,1159,1160,1154,1171,1163 & 1164, Village: Hardauli, Tehsil: Ghatampur, District: Kanpur Nagar, State: Uttar Pradesh, (Leased Area 14.0 ha), M/s Sarang Infratech with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP Project presentations are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.
8. 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.

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. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
 2. The project proponent shall install solar light in their site office.
 3. 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.
 4. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
 5. 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.
 6. The project proponent should explore the possibilities of rainwater harvesting.
 7. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road. 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.
 8. 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.
 9. As per the proposed plan, plantation with area specific plant species, number of plants to be planted.
 10. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
- 2. Installation of Clinker Grinding Unit with Cement Production Capacity of 2.0 MTPA and D.G. Sets of 1.5 MW at Village: Dhauha, Pargana: Sakteshgarh, Tehsil: Chunar, District: Mirzapur., Shri Bipin Agarwal, M/s Eco Plus Cement Chunar Pvt. Ltd., File No. 5712/Proposal No. SIA/UP/IND/ 54294/2020**

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 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 environmental clearance is sought for Clinker Grinding Unit with Cement Production Capacity of 2.0 MTPA and D.G. Sets of 1.5 MW at Village: Dhauha, Pargana: Sakteshgarh, Tehsil: Chunar, District: Mirzapur, U.P., M/s Eco Plus Cement Chunar Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 311/Parya/SEAC/5712/2020, dated 11/09/2020.
3. The public hearing was organized on 31/03/2021. Final EIA report submitted by the project proponent on 28/05/2022.

4. Area details:

S. No.	Particular	Details
1.	Total Project area	4.99 ha
2.	Greenbelt / Plantation area	1.99 ha (5000 trees are proposed to be planted in first 03 years)
3.	Acquisition Status	Total Project area is under possession of company.

5. Land use details:

S. No.	Unit	Area (in ha)	%
1.	Proposed Grinding Unit area	3.0	60%
2.	Plantation area	1.99	40%
Total		4.99	100

6. Configuration of proposed unit:

S. No.	Description	Unit	Capacity
(A)	Grinding System		
1.	VRM	1	300 TPH
2.	D.G. Set	1	1.5 MW
(B)	Packing Plant		
1.	Packer	3 Nos	180 TPH
2.	Truck Loaders	9 Nos	90 TPH

7. Raw material details:

S. No.	Material	Quantity (MTPA)	Source	Distance & Mode of Transportation
1.	Clinker	1.25	KJS Cement, Prism Cement, Maihar Cement, Jaiprakash Associates Ltd. and open market	250 km By Road
2.	Gypsum (Mineral, Chemical & Synthetic)	0.070	Bhutan, Halida Port	1150 km By Road
3.	Fly ash	0.68	Renukoot, U.P.	145 km By Road

8. Fuel requirement details:

S. No.	Name	Quantity (KLD)	Source	Distance & Mode of Transportation	Calorific value (Kcal. /kg)	% Ash w Max	% Sulphur w Max
1.	Diesel	1.5	Local area	5 km / Road	11000	0.01 %	0.25 %

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

S. No.	Particulars	Requirement	Source
1.	Water Requirement (KLD)	128	Ground Water
2.	Power Requirement (MW)	8.5	UP State Grid and D.G. Sets (For emergency backup)
3.	Manpower Requirement (No. of Persons)	Implementation Phase : 500 Person Operation Phase : 170 Person	Unskilled / semi-skilled manpower from local area and skilled from outside/local.

10. (a) Public hearing: Public hearing conducted on 16/02/2022 the question raised by the public representatives answered during the hearing and plan for complying the queries has been prepared and it is assured that the compliance being done as per the plan.
(b) TOR specific conditions: Plan for specific conditions has been submitted and being complied within a stipulated time bound manner.
11. The project proposal falls under category–3(b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-02

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

Specific Conditions:

- I. Environmental clearance will be issued only after submission of land conversion documents to the SEIAA.
- II. 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)
- III. 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
- IV. Greening and paving shall be implemented in the plant area to arrest soil erosion and dust pollution exposed soil surface.
- V. Properly covered vehicles shall be used while transporting material and product.
- 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 25th August, 2014 (Cement) and subsequent amendment dated 9th 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. PM₁₀ and PM_{2.5} in reference to PM emission, SO₂ and NO_x in reference to SO₂ and NO_x 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).
 - 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 25th August, 2014 (Cement) and subsequent amendment dated 9th 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 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 / stakeholders. 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; 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.
- 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 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.

3. Production of MS Billets/Ingot 118800 MT/year through Induction Furnace Route at Khasra No.- 530, 7th Km Stone, Bhopa Raod, District- Muzaffarnagar, M/s Shree Sidhbali Steels Pvt. Ltd., M/s Shree Sidhbali Steels Pvt. Ltd., File No. 7117/6358/Proposal No. SIA/UP/IND/ 274528/2022

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. 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 Production of MS Billets/Ingot 118800 MT/year through Induction Furnace Route at Khasra No.- 530, 7th Km Stone, Bhopa Raod, District- Muzaffarnagar, U.P., M/s Shree Sidhbali Steels Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 418/Parya/SEIAA/6358/2021, dated 07/01/2022.
3. The public hearing was organized on 14/04/2022. Final EIA report submitted by the project proponent on 28/05/2022.
4. Salient features of the project:

Particulars	Details	
Proposed Project	M/s Shree Sidhbali Steels Private Limited (Unit-2)	
Location	Khasra No. 530, 7 th Km Stone, Bhopa Road Sandhawali Muzaffarnagar-251001	
Latitude	29° 28.525'N	
Longitude	77° 45.351'E	
Category of the project	3(a) Metallurgical industries (ferrous & non ferrous)	
Proposed Capacity	MS Billets/ Ingot 118800 MT/ year Raw Material MS Scrap 130000 MTPA Sponge As per requirement	
Machine capacity	Capacity	15 Tons x 2 = 30 Tons
	No. Of heats/day	12
	No. Of working days/year	330
	Annual Capacity	30X12X330=118800 MTPA
Land Area	1.169 ha	
Khasra Number	530	
Green Area	0.386 ha	
Power Requirement	15000 KVA (UPPCL)	
Manpower	30	
Estimated Project Cost	33.27 Crores	
ETP Capacity	14 KLD	
Nearest Highway	Muzaffarnagar Bypass Road 0.39 Km west Bhopa Road 0.46 Km South	
Nearest Railway station	Muzaffarnagar Railway Station 4.67 Km west	
Nearest Airport	Indira Gandhi International Airport Delhi (118.73 km SW)	

Nearest River	Kaali Nadi 7.38 west.
Archaeological important places	None in 10 Km
Wild Life Sanctuaries	None in 10 Km
Nearest Town/City	Muzaffarnagar 4.60 Km west
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

5. Water/waste water requirement details;

S.No	Activity	Fresh Requirement(KLD)	Water	Waste Water Generation (KLD)
1	Domestic	13.5		10.8
2	Cooling Tower	11.5		1.2
3	Gardening	0		6.0 treated waste water
	Total	25 KLD		12.0

6. Solid Waste generated from induction furnace are slag about 130 ton/annum and dust collected from cyclone & wet scrubber.

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

The committee observed that the baseline monitoring has been conducted by the consultant for the preparation of EIA report from February, 2021 to April, 2021. During the presentation the committee directed the project proponent/consultant to submit one month additional baseline monitoring data regarding the project. The project proponent/consultant submitted one month additional baseline monitoring data for the period of May, 2021 vide letter dated 27/06/2022.

RESOLUTION AGAINST AGENDA NO-03

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

Specific conditions:

- I. Industry should adopt latest technology for processing of slag waste generated during the manufacturing process, the process slag has to be used for different purposes . Slag should not be disposed at improper place (such as road side, low lying area etc.)
- II. Industry should adopt latest automated technology for Air pollution control system along with primary and secondary system to control fugitive emissions.
- III. Industry should install ETP for industrial waste on zero liquid discharge technology and treated water should be re-used for different purposes.

Standards 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 I 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.
 - V. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water I from the competent authority concerned in case of drawl of surface water required for the project.
 - VI. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- II. Air quality monitoring and preservation:
- I. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - II. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - III. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x 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)
 - 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.
 - VI. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
 - VII. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors , roofs, regularly.
 - VIII. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
 - IX. The project proponent shall use leak proof trucks /dumpers carrying coal and other raw materials and cover them with tarpaulin.
 - X. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
 - XI. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
 - XII. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels , motor houses, Oil Cellars.
- III. Water quality monitoring and preservation:
- I. The project proponent shall install 24x7 continuous effluent monitoring system with

respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)

- II. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers /sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- III. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- IV. Adhere to 'Zero Liquid Discharge'.
- V. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- VI. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- VII. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- VIII. The project proponent shall practice rainwater harvesting to maximum possible extent.
- IX. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- IV. Noise monitoring and prevention:
 - I. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 - II. The ambient noise levels should conform to the standards prescribed under E(P)A Rules , 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- V. Energy Conservation measures
 - I. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
 - II. Practice hot charging of slabs and billets /blooms as far as possible.
 - III. Ensure installation of regenerative type burners on all reheating furnaces .
 - IV. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
 - V. Provide the project proponent for LED lights in their offices and residential areas.
- VI. Waste management:
 - I. Used refractories shall be recycled as far as possible.
 - II. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
 - III. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of

- Understanding in this regard shall be submitted to the Ministry's Regional Office.
- IV. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- V. Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plant).
- VII. Green Belt:
- I. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
- II. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- VIII. Public hearing and Human health issues:
- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- IV. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- IX. Corporate Environment Responsibility:
- I. The project proponent shall comply with the provisions contained in this Ministry 's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- II. The company shall have a well laid down environmental policy duly 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 I wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest I wildlife norms / conditions and / or shareholders I stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- III. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- IV. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the 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 plants shall be implemented.

X. Miscellaneous:

- I. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two 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.
- II. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- III. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- IV. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- V. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- VI. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- VII. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- VIII. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- IX. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- X. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- XI. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- XII. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- XIII. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- XIV. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- XV. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

XVI. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section I 6 of the National Green Tribunal Act, 2010.

4. Sand Mining from river bed of Ganga, at Khand No. 24, at Village –Khadsara to Ravanika & Chhivaiyakh, Tehsil- Karchhana / Phulpur , District- Prayagraj, Shri Babban Singh, Area- 4.0 ha., File No. 7133/Proposal No. SIA/UP/MIN/276368/2022

RESOLUTION AGAINST AGENDA NO. 04

The Secretariat informed the committee that the project proponent submitted a letter dated 27/06/2022 through which they have informed that the most of the mining lease area is in-stream of the river and as per SSMMG rules, 2016, the in-stream mining is prohibited. The project proponent requested to form a subcommittee for spot verification/site inspection of the project site.

The committee discussed the letter dated 27/06/2022 submitted by the project proponent and decided that a letter should be sent to District Magistrate, Prayagraj and District Mining Officer, Prayagraj for providing the factual report of the mining lease area. The copy of the letter should also be sent to Director, Geology and Mining Department, Lucknow for information and necessary action.

The matter shall be discussed after receipt of factual report.

5. Stone (Sandstone) Mining at Araj/ Gata No.-432, Village– Devri kalan, Tehsil-Madihan, District–Mirzapur, Shri Tribhuvan Nath., Area-1.680 ha., File No. 7134/Proposal No. SIA/UP/MIN/ 276596/2022

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 Environmental Clearance is sought for Building Stone (Sandstone) Mining at Araj/Gata no.- 432, Village-Devri kalan, Tehsil-madihan, District-Mirzapur, U.P., (Leased Area-1.680 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/276596/2022
2.	File No.	7134
3.	Name of Proponent	Shri Tribhuvan nath
4.	Full correspondence address of proponent and mobile no.	Shri Tribhuvan nath S/o Shri Narayan Das Villasge-Barkachhan Kalan, Sadar, District Mirzapur, U.P.
		Mobile no.-
		E-mail Id- tribhuvannath5418@gmail.com
5.	Name of Project	Building Stone (Sandstone) Mining Village –Devri kalan, Tehsil- Madihan, District– Mirzapur, Uttar Pradesh
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 432, Village –Devri kalan, Tehsil- Madihan, District–Mirzapur, Uttar Pradesh
7.	Name of River	NA
8.	Name of Village	Devri kalan
9.	Tehsil	Madihan
10.	District	Mirzapur
11.	Name of Minor Mineral	Building Stone (sandstone) Mining

12.	Sanctioned Lease Area (in Ha.)	1.680 ha.		
13.	Max. & Min mRL within lease area	Highest mRL is 217.4 & Lowest is 210.8mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar	N	E
		A	24° 57'28.90"N	82°40'14.40"E
		B	24° 57'26.10"N	82°40'19.70"E
		C	24° 57'23.40"N	82°40'17.80"E
		D	24° 57'26.60"N	82°40'11.40"E
15.	Total Geological Reserves	566106 m ³		
16.	Total Mineable Reserve (as per Approved Mine Plan)	215118 m ³		
17.	Total Proposed Production (In 5 Years)	168000m ³ (In 5 Years)		
18.	Proposed Production/year	33600 m ³ /year		
19.	Sanctioned Period of Mine lease	10 years		
20.	Method of Mining	Opencast, Semi-Mechanized		
21.	No. of working days	300		
22.	Working hours/day	8		
23.	No. of worker	52		
24.	No. of vehicles movement/day	14		
25.	Type of Land	Revenue land		
26.	Ultimate of Depth of Mining	upto 187mRL		
27.	Nearest metalled road from site	900m		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.52KLD	
		Suppression of dust	3.6 KLD	
		Plantation	0.6 KLD	
		Others (if any)	-	
		Total	4.72 KLD	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s PARAMARSH (Servicing Environment and Development) Lucknow UP Certificate no. NABET/EIA/2124/RA 0224 Valid Till May 01,2024		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 6039/khanij/2022, Dated 06/05/2022		
32.	Details of Lease Area in approved DSR	1.68 ha.		
33.	Proposed CER cost	Rs. 2.14 Lakhs		
34.	Proposed EMP cost	Total project cost- Rs. 1.07 Crore		
35.	Length and breadth of Haul Road	900m & 6m		
36.	No. of Trees to be Planted	300		

- 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.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
- The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
- There is no litigation pending in any court regarding this project.
- The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 23/06/2022 mentioning is as follows:

1. I Pramod Kumar Vishwakarma, S/o Shri Ramesh Kumar Vishwakarma is EIA Coordinator of M/s Paramarsh (Servicing Environment and Development, Lucknow).
2. I have prepared EC application report for the (Proposal No. SIA/UP/MIN/276596/2022, Building Stone (Sandstone) mine by Shri Tribhuvan Nath with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EC application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO. 05

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. 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. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road. Link Road from the quarry site to the main road shall be metallized 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. The project proponent should do a joint agreement for Haulage road maintenance along with the other units in the cluster area and provide a copy of the same to the Directorate.

6. Stone (Sandstone) Mining at Araj/ Gata No.-432, Village– Devri kalan, TehsilMadihan, District–Mirzapur, Mr. Rajendra Prasad Tiwari, Area 1.212 ha, File No. 7137/Proposal No. SIA/UP/MIN/276760/2022

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 Environmental Clearance is sought for Building Stone (Sandstone) Mining at Araj/Gata no.- 432, Village-Devri kalan, Tehsil-Madihan, District-Mirzapur, U.P., (Leased Area-1.212 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/276760/2022																		
2.	File No.	7137																		
3.	Name of Proponent	Shri Rajendra prasad tiwari																		
4.	Full correspondence address of proponent and mobile no.	Shri Rajendra prasad tiwari S/o Shri Babu tiwari Village-H.No.-1/85, Loco Colony, chopan, District sonbhadra, U.P. Mobile no.- E-mail Id- Rajendraprasad5418@gmail.com																		
5.	Name of Project	Building Stone (Sandstone) Mining Village –Devri kalan, Tehsil- Madihan, District– Mirzapur, Uttar Pradesh																		
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 432, Village –Devri kalan, Tehsil- Madihan, District–Mirzapur, Uttar Pradesh																		
7.	Name of River	NA																		
8.	Name of Village	Devri kalan																		
9.	Tehsil	Madihan																		
10.	District	Mirzapur																		
11.	Name of Minor Mineral	Building Stone (sandstone) Mining																		
12.	Sanctioned Lease Area (in Ha.)	1.212 ha.																		
13.	Max. & Min mRL within lease area	Highest mRL is 208.8 & Lowest is 201.8mRL																		
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillar</th><th>N</th><th>E</th></tr> </thead> <tbody> <tr> <td>A</td><td>24° 57'35.40"N</td><td>82°40'18.30"E</td></tr> <tr> <td>B</td><td>24° 57'35.50"N</td><td>82°40'21.50"E</td></tr> <tr> <td>C</td><td>24° 57'35.20"N</td><td>82°40'23.80"E</td></tr> <tr> <td>D</td><td>24° 57'33.00"N</td><td>82°40'22.30"E</td></tr> <tr> <td>E</td><td>24° 57'33.80"N</td><td>82°40'17.80"E</td></tr> </tbody> </table>	Pillar	N	E	A	24° 57'35.40"N	82°40'18.30"E	B	24° 57'35.50"N	82°40'21.50"E	C	24° 57'35.20"N	82°40'23.80"E	D	24° 57'33.00"N	82°40'22.30"E	E	24° 57'33.80"N	82°40'17.80"E
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D	24° 57'33.00"N	82°40'22.30"E																		
E	24° 57'33.80"N	82°40'17.80"E																		
15.	Total Geological Reserves	463565 m ³																		
16.	Total Mineable Reserve (as per Approved Mine Plan)	219110 m ³																		
17.	Total Proposed Production (In 5 Years)	181800m ³ (In 5 Years)																		
18.	Proposed Production/year	36360 m ³ /year																		
19.	Sanctioned Period of Mine lease	10 years																		
20.	Method of Mining	Opencast, Semi-Mechanized																		
21.	No. of working days	300																		
22.	Working hours/day	8																		
23.	No. of worker	52																		
24.	No. of vehicles movement/day	30																		
25.	Type of Land	Revenue land																		
26.	Ultimate of Depth of Mining	upto 170mRL																		

27.	Nearest metalled road from site	1700m	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.52KLD
		Suppression of dust	6.8 KLD
		Plantation	0.5 KLD
		Others (if any)	-
		Total	7.82 KLD
29.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s PARAMARSH (Servicing Environment and Development) Lucknow UP Certificate no. NABET/EIA/2124/RA 0224 Valid Till May 01,2024	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 6038/khanij/2022, Dated 06/05/2022	
32.	Details of Lease Area in approved DSR	1.212 ha.	
33.	Proposed CER cost	Rs. 2.2 Lakhs	
34.	Proposed EMP cost	Total project cost- Rs. 1.1 Crore	
35.	Length and breadth of Haul Road	1700m & 6m	
36.	No. of Trees to be Planted	250	

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).

The consultant (EIA Coordinator) also submitted an affidavit dated 23/06/2022 mentioning is as follows:

1. I, Pramod Kumar Vishwakarma, S/o Shri Ramesh Kumar Vishwakarma is EIA Coordinator of M/s Paramarsh (Servicing Environment and Development, Lucknow).
2. I have prepared EC application report for the (Proposal No. SIA/UP/MIN/276760/2022, Building Stone (Sandstone) mine by Shri Rajendra Prasad Tiwari with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EC application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

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. 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. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road. Link Road from the quarry site to the main road shall be metallized 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. The project proponent should do a joint agreement for Haulage road maintenance along with the other units in the cluster area and provide a copy of the same to the Directorate.

7. **Sand/ Morrum Mining at Khasra No./Gata No.- 61 to 69, 86 to 92, 93 Mi, 94 Mi, 98 Mi, 99 Mi,Village-Gadhiva Majhgawan, Tehsil-Khaga, District-Fatehpur., Shri Anuruddha Kumar Tiwari, M/s Tesmas Treading Pvt. Ltd.. Area: 25 ha., File No. 5728/Proposal No. SIA/UP/MIN/ 54660/2020**

The committee noted that the matter was earlier listed in 640th SEAC meeting dated 04/04/2022 and directed the project proponent to submit following information:

1. Monitoring photograph mentioning date and time along with geo coordinates.
2. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
3. Revised CER Plan as per discussion during presentation.
4. Detailed plan for dust suppression.

The project proponent submitted their replies through online Parivesh portal on 20/06/2022 and the matter was listed in 668th SEAC meeting dated 27/06/2022. 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 environmental clearance is sought for Gadhiwa Majhigawan-1 Sand/Morrum Mining Project at Khasra/Gata no. 61 to 69, 86 to 92, 93Mi, 94Mi, 98Mi, 99Mi, Village: Gadhiwa Majhigawan, Tehsil: Khaga, District: Fatehpur, State: Uttar Pradesh, M/s Tesmus Trading Pvt Ltd, (Leased Area 25.0 ha).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 378/Parya/SEAC/5728/2019, dated 09/10/2020.
3. The public hearing was organized on 03/03/2021. Final EIA report submitted by the project proponent on 18/06/2021.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/54660/2020			
2. File No. allotted by SEIAA, UP	5728			
3. Name of Proponent	M/s Tesmus Trading Pvt Ltd.			
4. Full correspondence address of proponent and mobile no.	M/s Tesmus Trading Pvt Ltd. Authorized Signatory - Vishal Garg Office No 203 Gupta Tower, 1 G Block Community Cent Vikaspuri Delhi (Director – Shri Anirudh Kumar Tiwari) Address- 44 Kalauli Teer Danda Hamirpur 210201 Shri Imran Ansari S/o Shri Ali Ahmad Ansari Address- Jindaur Jamuaavo Tekma Azamgarh)			
5. Name of Project	Gadhiwa Majhigawan-I Sand/Morrum Mining Project at Khasra/Gata no. 61 to 69, 86 to 92, 93Mi, 94Mi, 98Mi, 99Mi, Village: Gadhiwa Majhigawan, Tehsil: Khaga, District: Fatehpur, State: Uttar Pradesh			
6. Project location (Plot/Khasra/Gata No.)	Khasra/Gata no. 61 to 69, 86 to 92, 93Mi, 94Mi, 98Mi, 99Mi.			
7. Name of River	Yamuna River			
8. Name of Village	Gadhiwa Majhigawan			
9. Tehsil	Khaga			
10. District	District Fatehpur, Uttar Pradesh			
11. Name of Minor Mineral	Sand/Morrum Mining			
12. Sanctioned Lease Area (in Ha.)	25.0 ha			
13. Max. & Min mrl within lease area	88.0 mRL & 82.0 mRL			
14. Pillar Coordinates (Verified by DMO)		Pillar No.	Latitude N	Longitude E
		A	25° 37.463'N	80° 57.152'E
		A1	25°37.381"N	80°57.178"E
		A2	25°37.360"N	80°57.140"E
		B	25° 37.117'N	80° 57.333'E
		C	25° 36.982'N	80° 57.165'E
		D	25° 37.320'N	80° 56.940'E
15. Total Geological Reserves	3,80,944 m3			
16. Total Mineable Reserves in LOI	2,50,000 m³			
17. Total Proposed Production (in five year)	12,50,000 m³			
18. Proposed Production/year	2,50,000 m³/annum or 4, 50,000 TPA (as per LOI)			
19. Sanctioned Period of Mine lease	5 years			
20. Production of mine/day	1666.67 tonnes			
21. Method of Mining	Opencast Semi-mechanized.			
22. No. of working days	270			
23. Working hours/day	8			
24. No. Of workers	135			

25. No. Of vehicles movement/day	84	
26. Type of Land	Govt. Land	
27. Ultimate Depth of Mining	3.0 m	
28. Nearest metaled road from site	NH-02	
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	1.35 KLD
	Suppression of dust	2.76 KLD
	Plantation	1.25 KLD
	Others (if any)	
	Total	5.36~5.40 KLD
30. 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	
31. Any litigation pending against the project or land in any court.	No	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 782/30-Khanij (2020-21) dated 06/07/2019.	
33. Details of Lease Area in approved DSR	Attached	
34. Proposed CSR cost	RS- 1,20,000 /-	
35. Proposed EMP cost	Capital Rs-3,65, 000/- Recurring cost- Rs 4,30,000	
36. Length and breadth of Haul Road	460 m, 6 m	
37. No. of Trees to be Planted	About 250 trees will be planted along both sides of roads and civic amenities in consultation with the local authorities.	

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).

The consultant (EIA Coordinator) also submitted an affidavit dated 25/06/2022 mentioning is as follows:

1. I, Rahul Kumar is EIA Coordinator of P & M Solution, Noida.
2. I have prepared EIA/EMP report for the proposal No. SIA/UP/MIN/54660/2020, File No. 5728, Gadhiwa Majhigawan-1 Sand/Morrum Mining Project at Khasra/Gata no. 61 to 69, 86 to 92, 93Mi, 94Mi, 98Mi, 99Mi, Village: Gadhiwa Majhigawan, Tehsil: Khaga, District: Fatehpur, State: Uttar Pradesh, M/s Tesmus Trading Pvt Ltd, (Leased Area 25.0 ha) with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP Project presentations are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.
8. 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.

RESOLUTION AGAINST AGENDA NO. 07

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. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
 2. The project proponent shall install solar light in their site office.
 3. 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.
 4. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
 5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road. Link Road from the quarry site to the main road shall be metallized as an all-weather road with blacktopping and maintained by the project proponent.
 6. 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.
 7. The project proponent should explore the possibilities of rainwater harvesting.
 8. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
 9. 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.
 10. As per the proposed plan, plantation with area specific plant species, number of plants to be planted.
 11. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
8. **"Sand/Morrum" at Gata No.- 332/17, Part of 333/7, 431/333/1, (Khand No.- 06), Village- Marauli Khandar, Tehsil- Banda, District- Banda, U.P., Shri Durga Prasad Tripathi, Director, M/s Think Home Infrabuild Pvt. Ltd., Area -23.00 ha, File No. 5298/4827/Proposal No. SIA/UP/MIN/ 47853/2019**

RESOLUTION AGAINST AGENDA NO. 08

The committee went through the District Magistrate, Banda letter no. 763/Khanij-30/Banda, dated 08/04/2022 and observed that District Magistrate, Banda mentioned that the expert member of environment is not available at the district level and requested to nominate two expert members of environment so that the committee inspect the site and factual report may be sent to SEIAA.

The committee requested the Chairman, SEAC-1 to nominate a member (mining expert) from SEAC-1 in the joint committee and second member of the committee may be nominated by Director, Directorate of Environment, Lucknow for joint inspection of the mining site and committee provide the factual report to the SEAC.

9. **Stone (Sand Stone) Mining at Gata No.-180/2, Village- Bhagautidei, Tehsil-Chunar, District- Mirzapur, U.P., Shri Mahusoodan Singh, M/s Maa Vindhya Vasini Construction, Area -1.21 ha., File No. 6123/Proposal No. SIA/UP/MIN/59848/2021**

The committee noted that the matter as earlier discussed in 612th SEIAA meeting dated 27/05/2022 and directed as follows:

“SEIAA noted that SEAC-2 has recommended to grant EC to the above project. SEIAA gone through file and document and found that queries raised by SEAC-2 are not replied satisfactorily

by the consultant. Hence SEIAA opined that consultant shall be issued show cause notice for casual approach and the matter shall be referred back to the SEAC-2 for review/comments.”

As per the direction of SEIAA, the matter was listed in 668th SEAC meeting dated 27/06/2022. The committee discussed the matter and opined that the project proponent/consultant should present before SEAC for clarification regarding the observation given by SEIAA.

(Prof. Jaswant Singh)
Member, SEAC-2

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

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

(Tanzar Ullah Khan)
Member, SEAC-2

(Ashish Tiwari)
Member-Secretary, SEAC-2

(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 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/mining plan whichever is less.
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, SO₂, NO_x 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, SO₂, NO_x) 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 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of 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.